



The Professional Video

SourceBook




Section 6

MONITORS

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 For Section 6, Monitors
use Quick Dial #: 821

DM-3106 • DM-3009-P • DM-3016

6.3-, 8- and 15" HD/SD 4:3 LCD Display Monitors

Highly efficient, flexible and reliable, the DM-3106 (6.3") and DM-3009-P (8") are equipped with two SD/HD-SDI inputs, one analog component, and one composite video. Designed for field monitoring mounted on ENG or digital cinema cameras, or studio applications in an OB van, broadcast or editing suite, the front panels are easily accessible for greater flexibility and control while on location use. The viewing angle is extremely visible and very sharp from almost any angle. They also provides many features which are not found on competing panels. They display information such as audio channels, time code, peaking, and markers. This gives the camera operator quick reference settings without interfering with the frame, due to superimposition. You will not believe the picture that you will be able to capture with these monitors. The DM-3016 (15") is virtually the same except it isn't portable (AC power only) and includes a stand.



DM-3106

FEATURES

- ◆ Equipped with two SD/HD-SDI, one analog component and one composite video input.
- ◆ Support all 1080i and 720p HDTV formats.
- ◆ Brightness and chroma level adjustments are easily controlled via front panel controls.
- ◆ Input channels, life-size display, monochrome, blue only and marker display are all controlled via easy-to-use front switches.
- ◆ High vertical and horizontal viewing angles ensure that users can continue to view the LCD no matter where they are positioned.
- ◆ Marker Identification (center, frame, 4:3, 13:9, 14:9, 2.35:1, 1.75:1, 1.66:1).
- ◆ Cursor display function.
- ◆ Automatic switching to field frequency rates of 60Hz or 60/1.00Hz.
- ◆ CRCC error detection of input channel (when HD-SDI is input).
- ◆ Supports two-channel tally inputs.
- ◆ Ultra lightweight and compact .
- ◆ The 6.3-, and 8" include IDX battery mounting, allowing use of popular V-mount batteries. DC 12v power via 4-pin XLR input can be used as well.

Audio Level Meter Display IMD function Brightness, Contrast, Pb (Cb), Pr (Cr), Peaking, Data of Hue



Presence of Caption data, Error check of Audio and CRC/EDH Boot-time Time Code (VITC) Display

4:3 LCD Monitors

Designed for broadcasting applications, the 4:3 LCD monitor series can indicate time codes and status outside the image display area while the input images are displayed. Brightness adjustment, contrast adjustment, chroma adjustment and marker displays are among the many functions which are provided to enable the image quality and display the images to be adjusted.

	DM-3106	DM-3009-P	DM-3016
Display Size	6" (6.3" LCD Panel)	8" (8.4" LCD Panel)	15" (15" LCD Panel)
Resolution	1024 x 768 (960 x 540)	1024 x 768 (1024 x 576)	1024 x 768 (1024 x 576)
Brightness	300cd/m ²	400cd/m ²	350cd/m ²
Video System	1080i, 720p	1080i, 720p	1080p, 1080i, 720p
Inputs	Component BNC (x3) HD-SDI (SDI) BNC (x2)	Composite BNC (x1) HD-SDI (SDI) BNC (x2)	HD-SDI (D1-SDI) (x2) Tally
Dimensions (WHD); Weight	8.3 x 5.2 x 3.3"; 2.9 lbs.	8.4 x 6.9 x 2.5"; 4 lbs.	13.9 x 11.4 x 3.4"; 11 lbs.
Mfr. # / B&H #	DM-3106 / ASDM3106	DM-3009 / ASDM3009	DM3016 / ASDM3016
Price	3,099.95	2,519.95	6,029.95

DM-3011 • DM-3024 • DM-3032

9-, 24- and 32" HD/SD 16:9 LCD Display Monitors

The DM-3011 is an easy-to-carry, lightweight high definition 9" liquid crystal monitor that can be used for monitoring while transmitting data, during remote broadcasting, on location as well as in the studio. It achieves high brightness, high contrast, and a wide field of vision.

Aimed at meeting the needs of digital cinema and broadcast studios, the DM-3024 (24") and DM-3032 (32") are HD/SD widescreen LCD monitors for monitoring at remote sites and inside studios. Input signal supports 25 SD/HD formats. Power can be supplied from a camera battery with an optional mounting plate on the back of the monitor. Functions includes brightness, contrast, and chroma-level adjusting as well as marker display. They employ a new 16x9 LCD, realizing high-brightness, and provides a wide field of vision. Easy operation is achieved with renovated operation controls.



FEATURES

- ◆ Equipped with two SD/HD-SDI and one composite video input.
- ◆ They support 25 HD/SD formats
- ◆ Pixel for pixel 1920 x 1080 LCDs with close to CRT quality colors and blacks
- ◆ Brightness and chroma level adjustments are easily controlled via front panel controls.
- ◆ High vertical and horizontal viewing angles ensure that users can continue to view the LCD no matter where they are positioned.
- ◆ Marker display function (center, frame, 4:3, 13:9, 14:9, 2.35:1, 1.85:1, 1.66:1).
- ◆ Cursor display function.
- ◆ Automatic switching to field frequency rates of 60Hz or 60/1.00Hz.
- ◆ CRCC error detection of input channel (when HD-SDI is input).
- ◆ Time code and audio level display functions
- ◆ Decide whether or not to display the input channels, same-magnification display, monochrome-only and markers.
- ◆ DM-3024 supports up to 4 simultaneous inputs (via optional input modules) and provides a quad-display view. Modular configuration allows choice of different interface options: HD-SDI, Dual Link HD-SDI, component, composite and DVI.

Schneider Optics Rhino Glass



Rhino Glass is a stylish and economical solution for safeguarding the screens of on-board monitors, vector scopes and waveform monitors from scratches and accidental damage, while simultaneously reducing reflection and glare.

Many LCD screens scratch easily and can be costly to replace. Commercial plastic screen protectors tend to wear out quickly and provide no defense against glare. Additionally, products constructed from plastic, or even plate glass, may have a tint that distorts the screen it's designed to protect.

Rhino glass is constructed from top-quality Water White precision optical glass and treated with a long-lasting anti-reflective coating. The result is a durable, yet cost effective neutral shield that protects the screens of expensive on board monitors while preserving their true colors.

Rhino Glass can be attached with self-stick velcro tape, which ensures easy removal for cleaning or replacement. A Rhino Glass monitor cover can be cleaned with most common glass cleaners. Rhino Glass works with monitors from Astro, Panasonic, Sony, Nebtek, Leader, Marshall and Cinetel. Available in standard and custom sizes.

Monitor	Glass Size	Square Inches	Mfr #
Sony LMD-9050	5.5" x 7.25"	39.9"	95-280011
Panasonic BT-LH80W	8" x 4.5"	36"	95-280004
Panasonic BT-LH900A	6" x 7.75"	46.5"	95-280002
Panasonic BT-LH1700	16.5" x 10.5"	180"	95-280003
Panasonic BT-LH2600	25" x 14.5"	368.75"	95-280005

V7000 • V9200



7- and 9.2" Widescreen AC/DC LCD Monitors

The V7000 (7") and V9200 (9.2") are high resolution video monitors with a widescreen LCD panel. High-quality units capable of displaying images for serious production scenarios, they are compact enough for camera mounting or attaching to a jib-arm. They are also large enough to be seen on a desktop even from a distance. Standard accessories include a camera shoe-mount bracket, a table stand, AC and car power adapters and a wireless remote control.

- ◆ High-resolution (1440 x 234), anti-glare widescreen (16x9) panels make use of the latest TFT technologies for wide viewing angles and clear motion images. Ideal for use with a wide range of HDTV camcorders since they come with a shoe-mount camera bracket. Also light enough to be attached to a jib-arm and not affect balance. Lightweight, low power consumption and low cost make them ideal for all DV cameras.
- ◆ Monitor can be used conventionally as a widescreen display or via a menu option it can display in 4:3 mode. The picture can also be flipped horizontally and vertically.
- ◆ Inputs include composite video (RCA), audio, and stereo mini for cable TV or antenna.
- ◆ NTSC/PAL compatible, their on-screen menu system can display functions in English, Chinese, Russian, German and Arabic.
- ◆ Features include brightness and contrast controls, rear T-channel mount for versatility, built-in speaker and earphone jack.
- ◆ The V7000 measures 7.4 x 4.8 x 1" (WxHxD), weighs 16 oz. The V9200 is 9.6 x 6.7 x 1.5" (WxHxD), weighs 2 lbs.
- ◆ They include remote control, AC and 12v car adapters, AV cables, camera mount, tabletop stand/wallmount.

V-7000 7" Widescreen LCD Monitor (Mfr # V7000 • B&H # IKV7000)**329.95**

V-9200 9" Widescreen LCD Monitor (Mfr # V9200 • B&H # IKV9200)**399.95**

Sunshade Hood (Mfr # SH7 • B&H # IKSH7): For the V-7000.....**24.95**

Metal Rack Unit with Two V-7000's (Mfr # RM7000 • B&H # IKRM7000)..**749.95**

V-8000W 8" Widescreen AC/DC LCD Monitor

The V-8000W is an 8" diagonal high resolution video monitor (double the resolution of the V7000 and V9000) with a widescreen 16:9 LCD panel. For even more versatility, it has a VGA input with computer resolution up to 1024 x 768. A high quality unit capable of displaying images for serious production scenarios, it is compact enough for camera mounting or attaching to a jib-arm. It is also large enough to be seen on a desktop even from a distance. Standard accessories include a camera shoe-mount bracket, a table stand, AC and car power adapters and a wireless remote control.



- ◆ High resolution (800 x 480), anti-glare widescreen (16 x 9) panel makes use of the latest TFT technologies for wide viewing angles and clear motion images. Ideal for use with wide range of HDTV camcorders since it comes standard with a shoe-mount camera bracket. Also light enough to be attached to a jib-arm and not affect balance.
- ◆ Inputs include two composite video (RCA), stereo audio, and VGA (15-pin).
- ◆ Measures 8.1 x 5.7 x 1.2" (WxHxD), weighs 1.07 lbs.
- ◆ NTSC/PAL compatible, their on-screen menu system can display functions in English, Chinese, Russian, German and Arabic.
- ◆ Additional features include brightness and contrast controls, automatic Off mode, rear T-channel mount for mounting versatility, and built-in speaker.
- ◆ Includes remote control, AC and 12v car adapters, AV and VGA cable, camera mount, tabletop stand/wallmount.

V-8000W 8" Stand-Alone VGA TFT LCD Monitor, 16:9, NTSC/PAL, Built-in Speaker (Mfr # V8000W; B&H # IKV8000W)**449.95**

Metal Rack Unit with Two V-8000W LCD Monitors (Mfr # RM8000W; B&H # IKRM8000W)**1029.95**

V8000T

8" 4:3 LCD Touchscreen Monitor

The unique V8000T is an 8" high resolution video monitor with a 4:3 LCD panel. It is compact enough for camera mounting or attaching to a jib-arm. It's large enough to be seen on a desk-top or be used as a kiosk. But what sets the V8000T apart is the touch sensitive screen. This feature allows you to connect it to a computer and control the on-screen action with your fingers. It includes drivers for all major operating systems, including Windows and OSX. Its uses the USB interface to communicate with your computer.

- ◆ Inputs include S-Video, two composite video (RCA), mono audio, and VGA (15-pin).
- ◆ Supports computer resolutions up to 1024 x 768.
- ◆ The picture can also be flipped horizontally and vertically.

- ◆ NTSC/PAL compatible, their on-screen menu system can display functions in English, Chinese, Russian, German and Arabic.
- ◆ Additional features include brightness and contrast controls, rear T-channel mount for mounting versatility, and built-in speaker.

- ◆ Measures 8 x 6.4 x 1.6" (WxHxD), weighs 1.8 lbs.
- ◆ Includes remote control, AC and 12v car adapters, AV cables, camera mount and tabletop stand.

V-8000T 8" LCD Monitor with Touch-Sensitive Panel (Mfr # V8000T • B&H # IKV8000T)	399.95
Metal Rack unit with Two V-8000T's LCD Monitor (Mfr # RM8000 • B&H # IKRM8000)	949.95



V-8000HD

V8000HD

8" Widescreen AC/DC HD LCD Monitor

The V8000HD is an 8" diagonal HD (High Definition) video monitor with a widescreen LCD panel that is capable of displaying images in 1080i, 720p, and 480p as well as standard definition in 4:3 and 16:9. Since the on-board LCD on most HDV camcorders are not capable of verifying focus for high definition images, the V-8000HD makes it easy to perform precise focus adjustments— which can be critical when trying to achieve maximum fidelity.

It includes composite, S-Video and component inputs. It is compact enough for camera mounting or attaching to a jib-arm. It's large enough to be seen on a desk-top even from a distance.

- ◆ Features component HD inputs and outputs. It supports all the major HD formats like 1080i, 720p, and 480p. With its composite and S-Video inputs it also supports standard definition 4:3 and 16:9 formats.
- ◆ Inputs and outputs include composite (BNC), S-Video and component (BNCx3) with pass-through. All inputs are 4:3/16:9 switchable.
- ◆ Brightness, contrast and saturation controls.

- ◆ NTSC/PAL compatible, their on-screen menu system can display functions in English, Dutch, French, Italian, Spanish, Traditional Chinese, Simplified Chinese.
- ◆ Built-in support for "L" series batteries means that you can use camcorder batteries to power this monitor in the field.
- ◆ Includes AC adapter, camera shoe mount and remote control.

V-8000HD 8" Widescreen HD LCD Monitor (Mfr # V8000HD • B&H # IKV8000HD).....	749.00
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Metal Rack Unit with Two V-8000HD's (Mfr # RM8000HD • B&H # IKRM8000HD).....	1599.95
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V-8000HD Deluxe Kit: (Mfr # V8000HD/DK • B&H # IKV8000HDDK) Kit includes V-8000HD Ikan IBS-970 Sony-compatible battery, CH-750 battery charger and metal carrying case	849.95
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V-8000HD Monitor mounted on camera

V2500E**2.5" LCD Monitor**

The V2500E really is the very edge of miniaturized video display technology. This tiny monitor sacrifices very little in image quality to deliver an ultimate portable video display. It is designed with a high resolution 480 x 234 pixel LCD panel with advanced technology for wide viewing angles. The screen has an anti-reflective coating for comfortable viewing in almost any ambient lighting condition. This model comes ready to use right out of the box with the AC adapter and a special video/audio cable.

- ◆ The V2500E can be placed just about anywhere you need a high quality video screen, even just temporarily. Because it is so lightweight (only 4 oz.) the monitor can be secured into place for any specific need. To facilitate mounting, the V2500e includes a threaded insert for mounting on a shoe or a stand. Can easily be mounted on a studio VCR, a camera, a jib-arm, etc.
- ◆ Portable high-quality video screen with vivid life-like and natural colors and wide ranging contrast. It also has an audio input, as well as a small built-in speaker with adjustable volume control.
- ◆ Allows you to control the brightness, contrast and color. This comes in handy when you want to match up with other monitors.

V2500E 2.5" LCD Monitor with Table Stand and AC Adapter (Mfr # V2500E; B&H # IKV2500E)	94.95
Anton Bauer Power Tap Cable (Mfr # AB101 • B&H # IKAB101): For the V7000, V9000, V8000T	69.95
Battery Box (Mfr # AC103 • B&H # IKAC103): Allows you to use ten AA batteries to power any of the monitors. Does not include batteries	24.50
Battery Box Kit (Mfr # AC104 • B&H # IKAC104): Includes Battery Box, ten rechargeable AA batteries, and a 10-cell charger	89.95
Sony Battery Adapter (Mfr # AC106S • B&H # IKAC106S): Allows you to use Sony "L" Series Li-ion batteries to power the monitors	CALL

IKAN TELEPROMPTER KITS**PT1000 • PT1000W**

The PT1000 (4:3) and PT1000W (16:9) are small and light portable teleprompter kits. They mount to the hot shoe on your camera and are light enough to be shoulder mounted. You don't have to deal with the big bulky mirrors of traditional teleprompters that cost two or three times more. They also feature VGA and video inputs, and come bundled with Prompter Pro 2.0 teleprompting software.

- ◆ The PT1000 is the most complete portable teleprompting system out there. Includes all the hardware and software needed to get started. All you need to add is a laptop. It is so light weight that you can actually shoulder mount it or use it on a jib.
- ◆ When not using the PT1000/PT1000W as a teleprompter you can use them as a standard video monitor. They are equipped with VGA, composite and S-Video inputs. Even if you don't do a lot of teleprompting you will still get your money's worth with these kits.
- ◆ Bundled Prompter Pro 2.0 software allows you to import your scripts, edit them on the fly, and save the changes.



PT1000 Teleprompter Kit (Mfr # PT1000 • B&H # IKPT1000): Kit includes V8000 8" LCD monitor, remote control, AV cables, VGA cable, prompting software, mounting rod, monitor bracket, table stand/wall mount, AC adapter and DC car adapter	649.95
PT1000W Teleprompter Kit (Mfr # PT1000W • B&H # IKPT1000W): Kit includes V8000W 8" LCD monitor, remote control, AV cables, VGA cable, prompting software, mounting rod, monitor bracket, table stand/wall mount, AC adapter and DC car adapter	724.95

TM-1011G



- ◆ Easily visible tally lamp is located on the monitor's front panel. Red or green operational color is selectable via on-screen menu.
- ◆ Carrying handle on top of the monitor allows for easy portability in the field.

TM-1011G
(Mfr # TM1011GU • B&H # JVTM1011GU)**619.95**

Portable 10" AC/DC Monitor

The TM-1011G is the ultimate monitor choice for outdoor and portable use. It offers compact design, AC/DC operation, a convenient carrying handle, switchable 4:3 and 16:9 aspect ratio, self-check indicators, wired remote, 2-line audio input/output, built-in speaker, Underscan, color adjustment and two-color tally lamp.

- ◆ Accepts 120/220-240v AC (50/60Hz), while a 4-pin XLR connector is provided for 12v DC input as well. In addition, threaded mounting holes are provided for an Anton Bauer or PAG battery bracket.
- ◆ 8-pin RJ-45 connector allows remote on/off control of several selectable functions, including Tally, aspect ratio, input A or B.
- ◆ Blue only and color off modes allow for setting hue and saturation, checking noise in the blue channel, and setting white balance.
- ◆ Two composite video (BNC) and two audio (RCA) inputs/outputs. Outputs are bridged.
- ◆ To allow viewing of the entire active picture, underscan mode can be selected by pushing the appropriate switch on the front panel.
- ◆ Switchable 4:3 and 16:9 aspect ratios using the on-screen menu or RJ-45 trigger.
- ◆ Self-check function flash to warn of malfunctions and turn the monitor off automatically. Quickly notifies users of problems to facilitate trouble shooting.



Compact design (5RU high) makes rack mounting possible—individually or two monitors side-by-side on any 19" rack with optional rack mount adapter. The TM-1011G measures 8.25" x 9.125" x 13.375" (WHD), weighs 17 lbs., the TM-1051DG measures 8.75" x 8.75" x 14.25" (WHD), weighs 17.4 lbs.

Two TM-1011G monitors with rackmount (Mfr # TM1011RK • B&H# JVTM1011GUK) **1399.95**
Two TM-1051DG monitors with rackmount (Mfr # TM1051RK • B&H# JVTM1051DGUK) **1999.95**

TM-1051DG 10" Monitor with Dual SDI Inputs

Compact yet rugged, the TM-1051DG is engineered for the professionals. Dual Serial Digital Interface (SDI) inputs are compatible with 480/60i and 576/50i signals. Designed for broadcast, production and editing applications, the monitor also features embedded audio and on-screen menu (OSM) for a wide-range of operational viewing features. Also features two composite video inputs/outputs (BNC) and two analog audio outputs, switchable 4:3 and 16:9 aspect ratio, remote trigger, two-color tally lamp, Underscan and Blue only mode.



- ◆ Dual standard definition SDI inputs with embedded audio are available. SDI inputs are compatible with 480/60i and 576/50i signals. For extra convenience, SDI input enables display of an on-screen audio level meter.
- ◆ Safe Area Marker displays dotted lines to indicate the areas corresponding to 80%, 88% and 90% of the screen size.
- ◆ Switchable 4:3 and 16:9 aspect ratios using the on-screen menu or RJ-45 trigger.
- ◆ Two audio output connectors are provided for embedding digital audio into digital video streams, which are then converted and output as analog audio.
- ◆ Easily visible tally lamp is located on the monitor's front panel. Red or green operational color is selectable via on-screen menu.
- ◆ An 8-pin RJ-45 connector allows remote on/off control of several selectable functions, including Tally, Aspect Ratio, Input A or C.
- ◆ To allow viewing of the entire active picture, Underscan mode can be selected by pushing the appropriate switch on the front panel.
- ◆ Screens Check mode allows color adjustment, Blue only, and color off mode for setting hue and saturation, checking noise in the blue channel, and setting white balance.

TM-1051DG
(Mfr # TM1051DGU • B&H # JVTM1051DGU) **929.95**

TM-A13SU

13" Color Monitor

The TM-A13SU delivers the high performance demanded by professional users, along with the flexibility to adapt to a wide range of applications, whether production, demonstrations, training or education. It comes with a full array of input terminals, easy-to-use controls, and a rugged, yet attractive cabinet.

- ◆ Features two composite (BNC) inputs with bridged outputs and S-Video input with NTSC/PAL automatic detection function.
- ◆ The central processing unit (CPU) in the TM-A13SU is programmed by JVC with default contrast, brightness, chroma, and phase settings. All settings are user-adjustable via front panel controls.
- ◆ Audio monitoring is available from the built-in, high-quality 1-watt speaker
- ◆ Has a mounting hole for rack installation.
- ◆ Built-in comb filter improves picture quality by sharply reducing crossed dot interruption.



TM-A13SU: 13" Color Monitor
(Mfr # TMA13SU • B&H # JVTMA13SU)**209.95**



TM-A130SU 13" Color Monitor

The TM-A130SU delivers the high performance demanded by professional users, along with the flexibility to adapt to a wide range of applications, whether production, demonstrations, training or education. It comes with a full array of input terminals, easy-to-use controls, and a rugged, yet attractive cabinet. It features two analog inputs (composite and S-Video) with automatic NTSC/PAL detection, built-in speakers and control lock to disable front panel control buttons.

TM-A130SU: 13" Color Monitor, Metal Cabinet (Mfr # TMA130SU • B&H # JVTMA130SU).....**279.95**

TM-H150CG 15" Production Monitor

The TM-H150CG is one of the highest specification monitors of its class. With the addition of an Input Card Slot and choice of component and SDI input cards, the TM-H150CGU will display all types of NTSC/PAL input signals and is an excellent solution for broadcast, production, preview, scientific and other applications, which demand the highest quality and professional features in an affordable package.

- ◆ With over 750 lines of horizontal resolution, the TM-H150CG delivers exceptionally crisp pictures along with lifelike color.
- ◆ The flexibility and cost-efficiency of the TM-H150CG is enhanced by a slot port that accepts optional SDI or component input cards for special applications.
- ◆ The TM-H150CG comes with wired remote control functions for both A/B input composite video input channel selection and aspect ratio changeover.
- ◆ Switchable between 16:9 and 4:3 aspect ratios, the monitor can display both wide-screen and regular picture sizes.
- ◆ A simple, powerful on-screen menu lets you quickly fine-tune picture quality for individual applications and preferences. You can also change the digital image control settings for phase, chroma, brightness and contrast using conventional controls.
- ◆ NTSC/PAL compatible, an auto-detection function identifies input signals and selects the correct mode — all automatically.
- ◆ An attractive, yet ruggedly designed cabinet protects the monitor from knocks, allowing use in challenging environments.
- ◆ The monitor has a built-in 3.25" (8cm) speaker delivering an output of 1W.

TM-H150CG (Mfr # TMH150CGU • B&H # JVTMH150CGU)**464.95**



TM-H1700G • TM-H1900G

17" and 19" High-Resolution Multi-Purpose Monitors

Ideal multi-purpose, utility monitors, the rack-mountable TM-H1700G (17") and TM-H1900G (19") deliver 750 lines of horizontal resolution with NTSC/PAL compatibility, Switch over from a 4:3 aspect ratio to wide-screen 16:9 and they are ideal for a six-picture splitter arrangement. Underscan function supports multiplexer applications, and they have a multi-function remote capability for off-site operation. They also offer on-screen menu-driven parameter settings, universal power supply, and rugged reliability.



TM-H1900G

- ◆ P-22 phosphor full-square CRTs with in-line guns and a trio-dot pitch of 0.27mm. That translates into 750 lines of horizontal resolution and a selectable color temperature (6,500°K/9,300°K) for crisp pictures with outstanding color fidelity.
- ◆ Inputs include S-Video with bridged output as well as two composite video inputs(BNC), each also with a bridged output.
- ◆ They accept NTSC and PAL signals with auto-detect function. Can be universally powered (120/230 AC power) as well.
- ◆ Switchable between 4:3 and 16:9 aspect ratios via on-screen menu. The wide aspect ratio is especially useful for surveillance applications when using CCTV equipment such as a six-picture splitter.
- ◆ When connected to a multiplexer for surveillance applications, their Underscan function eliminates loss and distortion from multiscreen pictures.
- ◆ Remote control D-sub 15-pin connector allows the user to select and change aspect ratio, input and Underscan.
- ◆ On-screen menu lets users customize the monitors for individual preferences and applications. Resetting to the default settings is a quick one-touch operation. Adjustable parameters include: aspect ratio, color temperature, and video system.
- ◆ Contrast, brightness, chroma, and phase can be adjusted via ergonomically arranged push-buttons on the front panel.
- ◆ Ruggedly built, the monitors can be mounted in a 9RU high rack using an optional rack mount adapter

TM-H1750CG

17" High-Resolution Monitor with Optional Component and SDI Capability

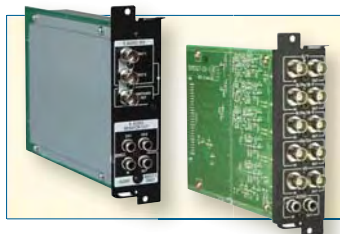
Stepping up from the TM-H1700G, the TM-H1750CG feature a slot port that accepts optional SDI or analog component video cards. You pay only for the connections that you need or want. The cards are plug-and-play, so they are easy to fit in the field. It also offers a Blue Check function.



- ◆ The flexibility of the cost-efficient TM-H1750CG is enhanced by a slot port that accepts optional SDI or component video input cards.

The IF-C01COMG is the optional standard definition component video and RGB card for the TM-H150CG or TM-H1750CG production monitors. The card provides 5 BNC connectors for component video/RGB, reference Video and 1 channel of RCA audio. There are looping outputs as well.

IF-C01COMG (Mfr# IFC01COMG • B&H# JVIFC01COMG)**254.95**



The IF-C21SDG is a standard definition SDI video input and output card that is an optional accessory for the TM-H150CG or TM-H1750CG production monitors. The card supplies 2 inputs with a single, switchable output. The card also has a single channel for an audio output.

IF-C21SDG (Mfr# IFC21SD1G • B&H# JVIFC21SD1G)**589.95**

BROADCAST HD MONITORS

DT-V9L1D • DT-V17L2D

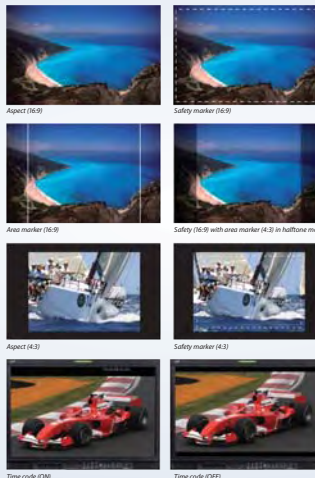
9- and 17" AC/DC Field and Studio HD Monitors

Designed for broadcast, studio, and field applications, the 9" DT-V9L1D and 17" DT-V17L2D are rack-mountable studio monitors that feature 16:9 aspect ratios, wide viewing angles, high-speed LCDs, and precise color reproduction. Ideal for broadcast and post-production facilities where image accuracy is vital, they incorporate JVC's high-end digital 1080p 10-bit image processor for superior scaling, de-interlacing, and color processing. They accept full range HDTV and SDTV input signals through built-in HD-SDI, component, and composite inputs. Among their professional functions are area markers, tally, AC/DC power supply, and rotary image controls.



BROADCAST HD MONITORS PROFESSIONAL FUNCTIONS

- ◆ Two built-in multi-format auto-switching HD/SD-SDI inputs, they can handle most types of HD signals (the DT-V9L1D has one multi-format HD/SD SDI input). Terminals are gold plated to prevent corrosion and signal loss. Embedded SDI audio is also supported.
- ◆ 1:1 pixel scanning function facilitates pixel-by-pixel display. Input signals are displayed in their original format without scaling. The DT-V24L1D and DT-V17L2D (with overscan) can display every single pixel in the original 1080i or 720p image. The DT-V20L1D can display 720p images pixel-by-pixel.
- ◆ Traditional front panel rotary controls allow quick adjustment of picture and volume, as well as providing fast, direct access to a variety of functions.



- ◆ Power-saving screen mode (activated when no input signal is detected) can be set to Suspend, Grey Background, or Off.
- ◆ Time code display function can be turned on or off to display time code embedded in SDI signals
- ◆ Status information is displayed in the blank area above the active picture display (except with PC signals). 16:10 panels allows status information to be displayed with no loss of picture elements.
- ◆ A variety of functions support creative video production, including area markers compatible with different aspect ratios (4:3, 14:9, 13:9, 2.35:1, 1.85:1, and 1.66:1), safe area markers (80%-100%; variable in steps of 1%), 16:9/4:3 aspect ratio switching, screen check functions that display separate R, G and B signals, and two-color tally lamps (red and green).



DT-V20L1D • DT-V24L1D

20- and 24" HD Studio Monitors

Multi-format professional monitors created to meet the demanding needs of broadcast, production and post-production applications, the DT-V20L1D (20") and DT-V24L1D (24") feature ultra high native resolution, wide array of image controls, a wide viewing angle, high-speed LCD and precise color reproduction, and a host of analog, HD-SDI / SD-SDI and DVI-D inputs. Other features include blue check, color off, 2-color tally lamp, area markers, rugged all-in-one metal design with rotary-type and direct function image controls, audio speakers, and

a variety of external control interfaces such as RS-232 and RS-485. Both monitors can be mounted using standard VESA compliant mounting brackets and tabletop stands. An optional rackmount kit is available for the DT-V20L1D.

BROADCAST HD MONITORS

HIGH-QUALITY IMAGES

- ◆ The DT-V17L2D, DT-V20L1D and DT-V24L1D use 10-bit processors (8-bit in the DT-V9L1D) to deliver true professional performance, without over-processing. Each monitor produces natural clear images at all times — even with fast-moving content.
- ◆ JVC's advanced technology also eliminates many of the problems inherent in digital circuits, such as diagonal jaggies, block noise, and mosquito noise, while the exclusive enhancer technology provides accurate image outline correction. The end result is clearly visible on the screen with smoother resolution and crisper, sharper images.
- ◆ Wide viewing angles, high brightness, excellent focus and contrast performance sets JVC's industry-leading DT-V series apart from the competition. Minimal delay between input signal and image display ensure faithful picture reproduction.
- ◆ The DT-V17L2D, DT-V20L1D and DT-V24L1D are equipped with a full set of HD-compatible inputs. These include two auto-sensing HD/SD inputs with switched output, composite and component inputs. In addition, an HDCP-compatible DVI input is provided for PC connection. The DT-V9L1D is equipped with one auto-sensing HD/SD SDI input with output, composite and component inputs.

- ◆ They offer three color temperature settings: 9300°K, 6500°K, and one user-defined setting.
- ◆ For film applications, a unique Cinema mode provides optimized I/P conversion with 24 frame signals, in addition to the NORMAL (frame-based) and FIELD (field-based) modes.
- ◆ Matrix parameters are set in response to the actual HD or SD input signal. This makes it possible to accurately reproduce colors in strict conformity with ITU standards without having to process color signals. A chromatic range equivalent to EBU 100%, ensures color reproduction that is virtually identical to the original.
- ◆ Each monitor undergoes an extensive gamma calibration before it is shipped from the factory. Extra attention to detail ensures extremely precise gray scale characteristics.



DT-V9L1D/DT-V17L2D Dual Power Source



The DT-V9L1D and DT-V17L2D monitors can be powered by a standard AC connection or by 12-17v DC batteries (Anton Bauer, IDX or PAG) installed via bracket on the rear panel. This dual power system makes these two monitors extremely versatile, enabling HD image review in the field.

Recommended Batteries and Mounts:

- Anton Bauer 14.4v/90 WH Battery** (Mfr # DIONIC 90; B&H # AND90)**414.95**
- Anton Bauer Mount** (Mfr # QRDXC-M3A; B&H # ANQRDXCM3A).....**119.95**
- IDX 14.4v/71 WH E-7S Endura Battery** (Mfr # E-7S; B&H # IDE7S).....**199.95**
- IDX Mount** (Mfr # A-E2LCD-J; B&H # IDAE2LCDJ)**CALL**



Rugged, Durable Design

- ◆ To prevent damage to the control panel, it is protected by a speaker grille and reinforced edge design. Rear panel connectors are protected by a concave design. This slim, efficient construction is both practical and safe.
- ◆ The DT-V9L1D and DT-V17L2D are fitted with a convenient self-retracting grip handle for easy mobility.
- ◆ Rugged metal rear cabinets provide excellent heat radiation and greater durability.
- ◆ To keep the LCD panel clean and protect it from scratches or damage, optional screen protection filters are available. These protection filters also suppress reflections when the panels are under bright light. The DT-V9L1D comes standard with a protective screen.

- DT-V9L1D** (Mfr # DT-V9L1D • B&H # JVDTV9L1D): 9" AC/DC monitor.....**CALL**
- DT-V17L2D** (Mfr # DT-V17L2D • B&H # JVDTV17L2D): 17" AC/DC monitor..**CALL**

- DT-V20L1D** (Mfr # DT-V20L1D • B&H # JVDTV20L1D): 20" HD monitor.....**CALL**
- DT-V24L1D** (Mfr # DT-V24L1D • B&H # JVDTV24L1D): 24" HD monitor.....**CALL**

OPTIONAL ACCESSORIES

Protective Screens

- For DT-V17L2DU** (Mfr # TS-W17F1 • B&H # JVTW17F1)**219.95**
- For DT-V20L1D** (Mfr # TS-W20F1 • B&H # JVTW20F1)**CALL**
- For DT-V24L1D** (Mfr # TS-W24F1 • B&H # JVTW24F1)**CALL**

Rack Mount Adapters

- For DT-V9L1D** (Mfr # RK-C9D1 • B&H # JVRKC9D1)**CALL**
- For DT-V17L2DU** (Mfr # RK-C17D1 • B&H # JVRKC17D1)**CALL**
- For DT-V20L1D** (Mfr # RK-C20D1 • B&H # JVRKC20D1)**CALL**

LCD MONITORS



V-LCD3.5-PRO Miniature Lightweight 3.5" LCD Monitor

Packaged in very small (3.5 x 3.26 x 0.92" WHD) and lightweight (5 oz.) plastic enclosure, the versatile V-LCD3.5-Pro features a high resolution 3.5" TFT screen with 4:3 aspect ratio, high brightness of 250 cd/m², and one composite video input. Ideal for use in a wide variety of applications such as video assist, mobile and airborne vehicles, robotics, or even strapped on a person's wrist. Installation is a breeze using the supplied 10' cable for power and video.

V-LCD3.5-PRO: Miniature Lightweight 3.5" LCD Monitor (Mfr # V-LCD3.5-PRO • B&H # MAVLCD35PRO)**264.95**

V-LCD4-PRO-L Broadcast Quality 4" Color LCD Monitor

This camera-mountable 4" LCD monitor features a high-resolution, high-brightness LCD panel that ensures broadcast-quality pictures under many types of lighting conditions. The heavy-duty black anodized brushed aluminum monitor case has a protective glass in front of the LCD panel. Its compact dimensions (5.5 x 3.6 x 1.8" WHD) and light weight (11 oz.) make it ideal for mobile and fixed monitoring applications. It features switchable dual video inputs with automatic NTSC/PAL auto recognition and active loop through built-in BNC connectors. It has color brightness, tint, and contrast controls, and a 1/4" mount on the bottom so it can install easily anywhere. Requires an optional battery pack for field use or 12v AC (500ma) adapter for studio use.



V-LCD4-PRO-L: 4" Color LCD Monitor

(Mfr # V-LCD4-PRO-L • B&H # MAVLCD4PROL)**249.95**

V-LCD4-PRO-L Kit (Mfr # V-LCD4-PRO-L-KIT • B&H # MAVLCD4PROLK)

Kit includes monitor with V-BP12 battery, charger and case.....**289.95**

V-LCD4-PRO-L Kit (Mfr # VLCD4PROLAP • B&H # MAVLCD4PROAP)

Includes monitor with 12-24v power supply converter and case.....**309.95**

Rechargeable Battery & Charger (Mfr # V-BP12-LCD • B&H # MAVBP12LCD) ..**59.95**

12v AC (500ma) Power Supply (Mfr # VPS12500 • B&H # MAVPS12500).....**13.95**

Sun and Light Blocking Monitor Hood

(Mfr # V-LCD4-PRO-L-HOOD • B&H # MAVLCD4PROLH)**17.95**

Weatherproof Carrying Case (Mfr # V-LCD4-CASE • B&H # MACVLCD4)**29.50**

Table Stand (Mfr # V-LCD4-ST • B&H # MAVLCD4ST)**24.95**



V-LCD5.6-PRO

5.6" LCD Monitor With Audio & Reverse Image

Adding a new dimension in viewing video in mobile and fixed monitoring applications, the 960 x 234 V-LCD5.6-PRO is a 5.6" color monitor with built-in speaker and reverse image function. Equipped with color, contrast and brightness controls, the monitor also has an earphone plug for private sound monitoring. It comes complete with a built-in tilt stand, an A/V cable and a power supply. An optional swivel stand is also available separately (V-LCD4-ST).

V-LCD5.6PRO (Mfr # V-LCD5.6-PRO • B&H # MAVLCD56PRO): 5.6" Monitor with A/V cable and AC adapter.....**259.95**

V-LCD5.6PRO Kit (Mfr # V-LCD5.6-PRO-KIT • B&H # MAVLCD56PROK): 5.6" Monitor with rechargeable battery and charger, A/V cable and carrying case.....**299.95**

V-LCD65SB-HDA

6.5" SunBrite LCD Monitor with Analog SD/HD Inputs

A high-resolution (1024 x 768) LCD monitor with SunBrite technology. It features bright 600 candelas(cd/m²) luminance and 600:1 contrast ratio. Inputs include active loop-through for composite video (BNC) with NTSC / PAL automatic recognition, along with a multi-format connector (BNCx3) for SD or HD analog component signals. Additional features include selectable 4:3/16:9 aspect ratio, Image Flip, RGB calibration, Center Mark, Safe Area, and direct access for adjustment and selection functions. Has a V-Mount battery adapter, and includes a universal power supply.

V-LCD65SB-HDA (Mfr # V-LCD65SB-HDA • B&H # MAVLCD65SBHDA):**1509.95**



MARSHALL ELECTRONICS

V-LCD65SB-AFHD

6.5" SunBrite High Definition Monitor

The V-LCD65SB-AFHD is a 6.5" high definition LCD monitor featuring Marshall's completely digital TFT-MegaPixel (1024 x 768) active matrix platform. Proprietary digital signal processing features 10-bit A/D conversion of all analog signals, with 4x oversampling and 5-line super-adaptive 2D comb filtering of composite signals. De-interlacing is performed using advanced algorithms with motion adaptive interpolation. Multi-format compatibility accommodates virtually all video formats including NTSC/PAL, 480i/p, 720p, and 1080i/p standards. VGA and DVI inputs accept VESA standards, allowing the display to be used as a computer monitor. Advanced features include V-Mount battery adapter, aspect ratio settings, a variety of screen markers, underscan mode, Blue-Only mode, monochrome, H/V delay, and Pixel-to-Pixel mode.



- ◆ HDS/SDI input (BNC) compatible with all formats and frame rates
- ◆ Analog Component SD/HD inputs (BNCx3)
- ◆ Composite and S-Video inputs with automatic NTSC/PAL recognition
- ◆ DVI-I input (all formats) and HD-15 computer input up to SXGA
- ◆ 600 candelas(cd/m²) luminance and 600:1 contrast ratio
- ◆ Pixel-to-Pixel native resolution scaling
- ◆ Built-in color bars and Blue Gun for color adjustment
- ◆ Zoom function; easy-to-see three color tally indicators
- ◆ Direct access for all adjustments, and adjustment settings memory
- ◆ Calibrated color temperature and Gamma

SunBrite Technology (V-LCD65SB-HDA and V-LCD65SB-AFHD)

Designed specifically for outdoor applications with high ambient light, SunBrite technology minimizes surface reflection of both outdoor and indoor light, while featuring a much wider color reproduction range than typical transfective/reflective LCDs or even those with increased backlight performance. Sunbrite super-transmissive LCDs provide improved visibility by producing high-contrast images and a wider viewing angle, even under challenging lighting environments. This innovative technology dramatically boosts the efficiency of the LCD backlight's light utilization, while maintaining extended temperature ratings and low power consumption for outdoor operation.



V-R70DP 7" Video Assist Monitor

The V-R70DP features a completely digital TFT-Megapixel (800 x 480) 7" LCD screen housed in a durable metal enclosure with V-Mount battery adapter, 4-pin XLR power jack, and scratch resistant optical grade polycarbonate screen cover with anti-reflective/anti-glare coating. Analog signals are digitized using an advanced 10-bit process with 4x over sampling and adaptive 5-line comb filter plus exacting color space conversion. Video is scaled to fit on screen in the highest resolution using a state of the art LSI that incorporates 4 x 4 pixel interpolation with precision Gamma correction to product the best images available. Has two composite video inputs with automatic NTSC/PAL detection and S-Video input. On Screen Display (OSD) provides instant feedback of adjustments and settings.

- ◆ 300:1 contrast ratio; 380 cd/m² brightness
- ◆ Wide (130° H/120° V) viewing angle
- ◆ 4:3/16:9 aspect ratios; Adjustment Settings Memory
- ◆ Easy to see three-color tally indicators
- ◆ Runs 4 to 6 hours on optional 50WH battery.
- ◆ Includes ¼-20 mounting plate that can be attached to any edge of the enclosure (additional mounting plates available), and universal voltage power supply. An optional rack mount kit is available.

V-R70DP 7" Video Assist Monitor (Mfr # V-R70DP • B&H # MAVR70DP) **829.95**

V-R70P-SD: Same as the V-R70DP except it exchanges one of the composite video inputs with a standard definition SDI input with reshaped & relocked output. It also adds SMPTE color bars with a Blue Gun for adjustment, as well as brightness, color, tint and contrast controls (Mfr # V-R70P-SD • B&H # MAVR70PSD) **1249.95**

V-R70P-HDA Same as the V-R70P-SD except it exchanges the SDI input for an analog component SD/HD input (BNCx3) with loop out. (Mfr # V-R70P-HDA • B&H # MAVR70PHDA) **1349.95**

V-R70P-HDS/SDI: Same as the V-R70P-SD, except it features a standard definition/high definition (all formats and frame rates) SDI input only. NO other video inputs. (Mfr # V-R70P-HDS/SDI • B&H # MAVR70PHDS/SDI) **1659.95**

V-R70P-HDA-AB Same as above except with 3-stud Anton Bauer battery mount instead of a V-mount. (Mfr # V-R70P-HDA-AB • B&H # MAVR70PHDAAB) **1399.95**

V-R70P-HDS/SDI-AB: Same as above except with 3-stud Anton Bauer battery mount instead of a V-mount (Mfr # V-R70P-HDS/SDI-AB • B&H # MAVR70PHDS/SDI) **1748.50**

V-ASL7070 • V-ASL8080

7" and 8" Video Confidence/Stand Alone Monitors

The V-ASL7070 (7") and V-ASL8080 (8") are low-reflection high-resolution (1440 x 234) TFT LCD monitors. They both feature electable 4:3/16:9 formats and NTSC/PAL operation, on-screen display (OSD) for adjustment functions, and Mirror mode. The V-ASL7070 features one composite video input plus two Mono Hi-Z unbalanced audio inputs, the V-ASL8080 adds another composite video input. They have IR audio for wireless headphone, headphone jack with volume control, and an On-Screen Display (OSD) for adjustment functions. The V-ASL8080 also has an FM transmitter for audio and a built-in speaker. They include 1/4-20 mounting plate, mounting bracket/pedestal, A/V input cable, 12v DC power supply and remote control.



V-ASL-7070: 7" NTSC/PAL Stand Alone LCD Monitor
 (Mfr # V-ASL7070 • B&H # MAVASL7070)**414.95**

V-ASL8080: 8" NTSC/PAL Stand Alone LCD Monitor
 (Mfr # V-ASL8080 • B&H # MAVASL8080)**419.95**



V-LCD8-PRO
7.9" High Resolution LCD Monitor

A low-price standalone monitor, the lightweight (1.7 lbs.) but high resolution (1440 x234) V-LCD8-PRO has a sleek design that makes it ideal for any indoor or outdoor monitoring application. It features composite and S-Video inputs with NTSC/PAL auto recognition and loop through capability. Equipped with 1/4-20 mount and a bayonet locking 12v DC power supply that ensures that the power won't be disconnected while being handled. An on-screen display lets you access color, tint, contrast and brightness controls. (Mfr # V-LCD8-PRO • B&H # MAVLCD8PRO).....**719.95**

V-R84DP-VGA • V-R841DP-DVI • V-R104DP-VGA • V-R1041DP-DVI
8.4" and 10.4" VGA and XGA LCD Monitors

Available in VGA (V-R84DP-VGA and V-R104DP-VGA) or XGA (V-R841DP-DVI and V-R1041DP-DVI) resolution, these monitors are unique solutions for professional IT, A/V and multimedia applications. Field durable displays with low weight and low power consumption, they feature 800 x 600 or 1024 x 768 4:3 and 16:9 screen aspect ratios, menu access for all adjustments and optical grade polycarbonate screen cover.

Signals are input via an HD-15 connector for computer signals up to SXGA resolution (1280 x 1024). RGB signals are input via a DVI connector and digitized using an advanced 10-bit process. All accepted resolutions are scaled to fit in the highest resolution using proprietary program and state of the art LSI. They have four configurable 1/4-20 mounting locations and run on 12v DC, powered via supplied AC to DC power supply.



V-R84DP-VGA: 8.4" 1.44 MegaPixel (VGA) 4:3/16:9 LCD Monitor
 (Mfr # V-R84DP-VGA • B&H # MAVR84DPVGA)**879.95**

V-R841DP-DVI: 8.4" 2.4 MegaPixel (XGA) 4:3/16:9 LCD Monitor
 (Mfr # V-R841DP-DVI • B&H # MAVR841DPDVI).....**1159.95**

V-R104DP-VGA: 10.4" 1.44 MegaPixel (VGA) 4:3/16:9 LCD Monitor
 (Mfr # V-R104DP-VGA • B&H # MAVR104DPVGA)**1029.95**

V-R1041DP-DVI: 8.4" 2.4 MegaPixel (XGA) 4:3/16:9 LCD Monitor
 (Mfr # V-R1041DP-DVI • B&H # MAVR1041DPDVI).....**1334.95**

8" and 10" VIDEO ASSIST MONITORS

V-R84DP-2C • V-R104DP-2C 8.4" and 10.4" Budget Field Monitors

The high resolution (800 x 600) V-R84DP-2C and V-R104DP-2C feature the Digital TFT-Megapixel system with 1.44 million pixels plus Hyper Process of interlaced images to produce the smoothest motion available on an LCD. Match Color Conversion function emulates the SMPTE-C



phosphor of a CRT. Analog signals are digitized using an advanced 10-bit process with 4x over sampling and adaptive 5-line comb filter plus exacting color space conversion. Video is scaled to fit on screen in the highest resolution. Standard features include On Screen Display (OSD), 4-pin XLR power jack, and scratch resistant optical grade polycarbonate screen cover with anti-reflective treatment.

- ◆ Wide viewing angle of 130° H/V provides superior visibility
- ◆ Bright 500 (V-R84DP-2C) or 600 (V-R104DP-2C) cd/m² candle luminance for enhanced image quality in varying light/viewing conditions.
- ◆ 500:1 contrast ratio and fast response rates (less than 25 ms)
- ◆ 4:3 and 16:9 screen aspect ratios; 3-color tally indicators
- ◆ Direct brightness, color tint and contrast adjustment
- ◆ Two composite video inputs with auto PAL/NTSC signal detection and loop through output.
- ◆ Durable metal enclosure; four configurable ¼-20 mounting locations
- ◆ Includes a power supply as well as a V-mount battery adapter. Runs 4 to 6 hours on optional battery.

V-R84DP-2C (Mfr # V-R84DP-2C • B&H # MAVR84DP2C) **1149.95**
V-R104DP-2C (Mfr # V-R104DP-2C • B&H # MAVR104DP2C) **1299.95**

V-R84DP-2SDI • V-R104DP-2SDI

The same as above, except the V-R84DP-2SDI and V-R104DP-2SDI feature two standard definition SDI inputs with an output of the displayed signal, underscan mode and color temperature adjustment.

V-R84DP-2SDI (Mfr # V-R84DP-2SDI • B&H # MAVR84DP2SDI) **1569.95**
V-R104DP-2SDI (Mfr # V-R104DP-2SDI • B&H # MAVR104DP2SDI) **1664.95**

V-R84DP-HDSDI • V-R104DP-HDSDI

Same as above, except the V-R84DP-HDSDI and V-R104DP-HDSDI feature one standard/high definition SDI input/output. Also adds a Blue Only mode for color adjustment.

V-R84DP-HDSDI (Mfr # V-R84DP-HDSDI • B&H # MAVR84DPHDSDI) **1799.95**
V-R104DP-HDSDI (Mfr # V-R104DP-HDSDI • B&H # MAVR104DPHDS) **1899.95**

V-R84DP-HDA • V-R104DP-HDA 8.4" and 10.4" Field Monitors with Multiformat Inputs

The same as the V-R84DP-2C and V-R104DP-2C (respectively), except the V-R84DP-HDA and V-R104DP-HDA feature one composite input with auto PAL/NTSC recognition, one S-Video and one analog component input (BNCx3) for virtually all HD and SD formats. Also has a DVI digital and analog input, and PC input for computer display up to 1024 x 768. All video signals loop through. Blue Only mode for color adjustment.

V-R84DP-HDA (Mfr # V-R84DP-HDA • B&H # MAVR84DPHDA) **1749.95**
V-R104DP-HDA (Mfr # V-R104DP-HDA • B&H # MAVR104DPHDA) **1864.95**

V-R84DP-SD • V-R104DP-SD 8.4" and 10.4" Field Monitors with Composite, S-Video, SDI and Scalable VGA inputs

Exactly the same as V-R84DP-HDA and V-R104DP-HDA (respectively), except the V-R84DP-SD and V-R104DP-SD add a standard definition SDI input per monitor.

V-R84DP-SD (Mfr # V-R84DP-SD • B&H # MAVR84DPDSD) **1949.95**
V-R104DP-SD (Mfr # V-R104DP-SD • B&H # MAVR104DPDSD) **2039.95**

V-R84DP-HD • V-R104DP-HD HDSDI Multiformat Dual 8.4" and 10.4" Monitor Sets

Exactly the same as V-R84DP-SD and V-R104DP-SD (respectively), except the V-R84DP-HD and V-R104DP-HD step-up with HD performance, accepting all standard definition SDI signals as well as all high definition SDI signals (all formats and frame rates)

V-R84DP-HD (Mfr # V-R84DP-HD • B&H # MAVR84DPHD) **2174.95**
V-R104DP-HD (Mfr # V-R104DP-HD • B&H # MAVR104DPHD) **2294.95**

V-DV-PWR1 Power Adapter

The unique V-DV-PWR1 is a V-Mount power adapter for Marshall standalone monitors. It allows the use of two Sony NP-F type batteries — used by many Sony DV and HDV camcorders — to power a 12v DC monitor. It also has two 4-pin XLR connections.



The first one can be used to power a variety of portable equipment such as lights, or wireless transmitters and receivers. The second 4-pin XLR will accept a 12v DC input to charge the batteries. You can charge them from the monitor power source, car battery, or optional charger. The monitor may even be operated while batteries are charging. For convenience, there is a 3-stage power indicator and charge status indicator. (Mfr # V-DV-PWR1 • B&H # MAVDVPWR1) **249.95**

VIDEO ASSIST MONITORS & ACCESSORIES

V-R841P-AFHD • V-R1041DP-AFHD

8" and 10" SD/HD Monitors with Advanced Functions

The V-R841P-AFHD (8") and V-R1041DP-AFHD (10") feature completely Digital TFT-Megapixel high definition (1024 x 768) LCD screens with 2.4 million pixels, V-Mount battery adapter and 4-pin XLR power jack. They also have an optical grade polycarbonate screen cover with anti-reflective/anti-glare coating. Analog signals are digitized using an advanced 10-bit process with 4x over sampling and adaptive 5-line comb filter plus exacting color space conversion. Video is scaled to fit on screen in the highest resolution using a state-of-the-art LSI that incorporates 4 x 4 pixel interpolation with precision Gamma correction to produce the best images available. Also feature Pixel-to-Pixel native resolution scaling and direct access for all adjustment and selection functions.



- ◆ Runs 4 to 6 hours on optional 80WH battery
- ◆ CRT style viewing radius - 170° in all directions provides superior visibility when the viewer is not directly in front of the screen
- ◆ Bright 300 cd/m² (10") and 400 cd/m² (8") candle luminance
- ◆ 400:1 (V-R841P-AFHD) and 700:1 (V-R1041DP-AFHD) contrast ratio and fast response rate (under 25ms)
- ◆ 4:3/16:9 aspect ratios for DTV applications in HD and SD formats
- ◆ Easy to see three color tally indicators
- ◆ Built-in color bar generator and Blue Gun for color adjustment
- ◆ 6-frame marker overlays with center mark
- ◆ Pixel-to-Pixel native resolution scaling
- ◆ Zoom function; Adjustment settings memory
- ◆ Calibrated color temperature and gamma
- ◆ Composite video PAL/NTSC, S-Video, analog component (BNCx3), standard (SD) and high definition (HD) SDI (all formats and frame rates) input and outputs. Also has VGA and DVI-I computer inputs. Display PC signals to XGA (1024 x 768).
- ◆ Includes ¼-20 mounting plate that can be attached to any edge of the enclosure (additional mounting plates available)
- ◆ Includes universal voltage power supply; optional rack kits available

V-R841P-AFHD (Mfr # V-R841P-AFHD • B&H # MAVR841PAFHD)**2759.95**

V-R1041DP-AFHD (Mfr # V-R1041DP-AFHD • B&H # MAVR1041DPAF).....**3799.95**

Mounting Options for Video - Assist Monitors

Articulating arms provide a flexible way to mount a monitor onto your camera or other device. The monitor can be turned to any angle to provide you with the clearest view. Raise or lower; tilt up or down; swing the screen to get the angle you require. All three mounts feature a 3-jointed articulating arm and a unique central locking mechanism for instant fixation in any position.



For 4"-5.6" monitors with battery, 6.5" monitors without battery (Mfr # V-NF1105 • B&H # MAVNF1105).....**99.50**

For 7" monitors with battery, 8.4" monitors without battery (Mfr # V-DG1105 • B&H # MAVDG1105).....**109.50**

For 8.4" and 10.4" monitors with battery (Mfr # V-MG11043 • B&H # MAVMG11043).....**129.95**

6.5" and 7" Stand-Alone Monitor Kits



These kits make the monitors even more portable—durable carry case, analog component breakout cable, AC stand alone power supply and cleaning wipes. A variety of kits are available with batteries, charger, sun hood, plus

Anton Bauer Gold and 4-pin DC power adapter cables. Tough, rugged, airtight, watertight and lightweight, the carry case is manufactured with a proprietary HPX high performance resin, and features secure Press & Pull latches, automatic pressure relief valve and a durable soft-grip handle—providing the safest and most comfortable transportation for your monitor.

Accessory Kit 1 (Mfr # V-R70-K • B&H # MAVR70K1): For V-R65P-HD or V-R70P. Includes V-CC7 watertight carrying case, 12v DC 3.3 amp AC power supply with twist lock connector and package of 10 non-toxic, anti-static cleaning wipes for LCD displays.....**209.95**

Accessory Kit 2 (Mfr # V-R70-K2 • B&H # MAVR70K2): For V-R65P-HD or V-R70P. Same as above plus Anton Bauer Gold power adapter, 4-pin XLR power adapter and viewing hood.....**367.95**

Accessory Kit 3 (Mfr # V-R70-K3 • B&H # MAVR70K3): For V-R65P-HD or V-R70P. Same as above plus IDX-E50S battery**524.95**

Accessory Kit 4 (Mfr # V-R70-K4 • B&H # MAVR70K4): For V-R65P-HD or V-R70P. Same as above plus IDX VL-2Plus 2 channel sequential charger**958.50**

V-CC7 Watertight Case (Mfr # V-CC7 • B&H # MACVCC7): For V-R65P-HD Active Matrix LCD monitor**149.95**

V-LCD12.1-SVGA • V-LCD15 • V-LCD17

12.1-, 15.1- and 17" Broadcast Monitors

The V-LCD12.1-SVGA (12.1"), V-LCD15 (15.1") and V-LCD17 (17") are the monitors of choice for broadcasters, system integrators, and exhibition designers. Ruggedly constructed, they are used in numerous museum and exhibition applications, on the set for video production, in amusement parks, and even in department store product displays. They accept NTSC/PAL composite video, S-Video, VGA, audio, and optional RF signals with a cable ready, 125-channel television tuner (NTSC only).

The LCD12.1-SVGA features 18-bit color reproduction with 800 x 600 pixel resolution, the V-LCD15 has a 1024 x 768 display with 24-bit true color reproduction, and the V-LCD17 has a 1280 x 1024 display with 24-bit true color reproduction. Each has bright displays for installation in well-lighted exhibition areas, on the newscast set, or outdoors. System integrators choose them for durability and installation flexibility since they can be factory or field configured for desktop, ceiling mounted, or wall mounted applications. The optional ceiling and wall mount brackets are constructed out of heavy gauge steel with a black powder coated finish. The ceiling mount allows the user to swivel and tilt the display 360° in any direction. They operate on 12v DC making them ideal for mobile broadcast, field production, and airborne applications. They each include 110-220v AC Class 2 power supply and remote control.



V-LCD12.1-SVGA: 12.1" LCD Monitor (Mfr # V-LCD12.1-SVGA • B&H # MAVLCD12).....	709.95
V-LCD12.1-SVGA: 12.1" LCD Monitor with Ceiling Mount and 360° Swivel (Mfr # V-LCD12.1-CM • B&H # MAVLCD121CM)	724.95
Porta Brace Flat Screen Monitor Case (Mfr # MO-LD12.1 • B&H # POMOLCD121): For the V-LCD12.1-SVGA	249.95
V-LCD15: 15.1" LCD Monitor with Wall Mount (Mfr # V-LCD15-TV-WM • B&H # MAVLCD15TVWM)	902.50
V-LCD15: 15.1" LCD Monitor with Ceiling Mount (Mfr # V-LCD15-TV-CM • B&H # MAVLCD15TVCM)	828.95
V-LCD15: 15.1" LCD Monitor with Ceiling Mount (Mfr # V-LCD15-CM • B&H # MAVLCD15CM).....	779.95
V-LCD15: 15.1" LCD Monitor with Table Stand (Mfr # V-LCD15 • B&H # MAVLCD15).....	849.95
V-LCD17: 17" LCD XGA Monitor with Desk Stand (Mfr # V-LCD17 • B&H # MAVLCD17)	1599.95
V-LCD17: 17" LCD Monitor with Wall Mount (Mfr # V-LCD17-WM • B&H # MAVLCD17WM)	1579.95
V-LCD17: 17" LCD Monitor with Ceiling Mount (Mfr # V-LCD17-CM • B&H # MAVLCD17CM)	1469.95
V-LCD17: 17" LCD Monitor/TV with Wall Mount (Mfr # V-LCD17-TV-WM • B&H # MAVLCD17TVWM)	1699.95
V-LCD17: 17" LCD Monitor/TV with Ceiling Mount (Mfr # V-LCD17-TV-CM • B&H # MAVLCD17TVCM)	1699.95



V-LCD20 20.1" Broadcast Monitor

The V-LCD20 is a broadcast-quality LCD monitor offering 8-bit color with 640 x 480 pixel resolution. It works as a VGA, NTSC/PAL or S-Video monitor with a 181-channel, cable-ready TV tuner (NTSC only). Ideal for outdoor broadcast applications, this monitor features 450 candle luminance, far surpassing other large LCD panels in brightness. Audio is enabled by sound mounted speakers. The V-LCD20 operates on 12v DC, ideal for mobile broadcast applications. Includes power supply and remote control.

V-LCD20 (Mfr # V-LCD20 • B&H # MAVLCD20)
 20.1" Active Matrix LCD panel with TV tuner, S-Video and composite video inputs**2379.95**

	V-LCD12.1	V-LCD15	V-LCD17	V-LCD20
LCD Size	12" Diagonal	15.1" Diagonal	17" Diagonal	20.1"
Picture Elements	800 x 600	1024 x 768	1280 x 1024	800 x 600
Inputs	Composite (RCA), S-Video (4-pin), Audio RCA (x2), VGA (15-pin)	Composite (RCA), S-Video (4-pin), Audio RCA (x2), VGA (15-pin)	Composite (RCA, BNC), Component (9-pin), S-Video (4-pin), Audio RCA (x2), Headphone, VGA (15-pin), RS-232C	Composite (RCA), Component (9-pin) S-Video, Audio (RCA L/R, 1/8" Stereo), Headphone (1/8" Stereo), VGA (15-pin)
Remote Control	Infrared Wireless	Infrared Wireless	-	Wireless

V-R151DP-AFSD • V-R151DP-AFHD

Standard and High Definition 15" Rack-Mount or Desktop LCD Monitors with Advanced Functions

Occupying only 6RU spaces and weighing just 12 lbs., the V-R151DP-AFSD and V-R151DP-AFHD are high resolution (1024 x 768) 15" LCD displays and Marshall's Universal Input configuration, so no adapter boxes or expensive options are required. Emulation of SMPTE-C color and adjustable color temperature enable the most precise color representation possible. Proprietary digital signal processing features 10-bit A/D conversion of all analog signals, with 4x over-sampling and 5-line super-adaptive 2D comb filtering of composite signals. De-interlacing is performed using Marshall's HyperProcess algorithm with motion adaptive interpolation. Both monitors feature multi-format compatibility, accommodating virtually all video formats including NTSC/PAL, 480i/p, 720p, and 1080i/p formats. VGA and DVI inputs allow them to be used as a computer monitor. The V-R151DP-AFHD adds HDS/SDI functionality. Advanced features include a variety of screen markers, Underscan, Monochrome and Blue Only mode, H/V delay, and Pixel-to-Pixel mode. They also offer setup memory, zoom function, and direct access for adjustment and selection functions. They come in a rackmount configuration and can be desktop mounted with optional stand. In addition, with an optional VESA adapter they can be wall or ceiling mounted.



- ◆ Brightness of 500 cd/m², 450:1 contrast ratio, and a 150° viewing angle make them ideal in a variety of environments.
- ◆ Analog and digital I/O to accommodate virtually any video format. Includes NTSC/PAL composite and S-Video and SD/HD analog component (BNCx3) I/O and standard definition SDI I/O with active loop through.
- ◆ They also have SXGA (1280 x 1024) (HD-15) and DVI (all formats) computer inputs with HDCP as well. The V-R151DP-AFHD steps up with high definition SDI I/O (all formats and frame rates).
- ◆ 6 Frame Marker Overlays with Center Mark in both 4:3 and 16:9 modes allow accurate monitoring of the different aspect ratios used in broadcast environments.
- ◆ Emulation of SMPTE-C color space allows them to replace any broadcast CRT monitor. Settings include D55, D65 and D95. Bias and Gain adjustment for each color enables precise color matching and white balance.
- ◆ Two user-assignable function buttons on the front-panel allow quick access to numerous settings and features including aspect ratio, screen markers, monochrome mode, color temperature, delay mode, and more.
- ◆ 4:3 and 16:9 screen aspect ratios for DTV applications in HD and SD formats
- ◆ Offers underscan and monochrome mode, and H/V delay. Pixel-to-Pixel allows native display of any incoming image format.
- ◆ Built in color bars with Blue Gun for color adjustment
- ◆ Easy to see three color tally indicators
- ◆ Adjustment Settings Memory

V-R151DP-AFSD Rackmount (Mfr # V-R151DP-AFSD • B&H # MAVR151PAFSD)	1259.95
V-R151DP-AFHD Rackmount (Mfr # V-R151DP-AFHD • B&H # MAVR151PAFHD)	1699.95
V-R151P-AFSD-DT Desktop (Mfr # V-R151P-AFSD-DT • B&H # MAMAVR151PAD)	1269.95
V-R151P-AFHD-DT Desktop (Mfr # V-R151P-AFHD-DT • B&H # MAVR151PAFDT)	1699.95
Desktop Stand (Mfr # V-ST15 • B&H # MAVST15): For V-R151DP-AFSD/AFHD rackmount	58.95



V-LCD15SB-AFHD

15" SunBrite LCD Desktop or Rackmount Monitor with Analog and Digital SD/HD Inputs

Equipped with Marshall's unique SunBrite technology (see page 521), the high-resolution V-LCD15SB-AFHD-DT features 2.4 million pixels and Marshall's universal input configuration. Inputs include active loop-through on each for composite with NTSC/PAL auto recognition, S-Video and HDS/SDI (all formats and frame rates), as well as a multi-format connector (BNCx3) for analog component SD/HD signals. For graphic applications, it has an SXGA (1280 x 1024) (HD-15) and DVI (all formats) computer input. Also features a Zoom function and direct access for adjustment and selection functions.

- ◆ 6-frame marker overlays with center mark
- ◆ Easy-to-see three color tally indicators
- ◆ Built-in color bars
- ◆ 4:3 and 16:9 aspect ratios for DTV applications in HD and SD format
- ◆ Bright 600 candelas (cd/m) luminance and 600:1 contrast ratio
- ◆ Adjustment Settings Memory
- ◆ Can be wall or ceiling mounted with an optional VESA bracket.

V-LCD15SB-AFHD-DT Desktop
(Mfr # V-LCD15SB-AFHD-DT • B&H # MAVLCD15SBAF).....**2599.95**

V-LCD15SB-AFHD Rackmount
(Mfr # V-LCD15SB-AFHD • B&H # MAVLCD15SBAR).....**2599.95**



MARSHALL ELECTRONICS

V-R171P-AFHD

17" Rack/Desktop Mountable LCD Monitor

Occupying only 6 SRU and weighing just 12 pounds, the V-R171P-AFHD has a high-resolution LCD display with 2.95 million pixels. It includes Marshall's Universal Input configuration and does not require any adapter boxes or expensive options. Standard inputs include active loop through on each connection for HDS/SDI/SDI, Y/C, and composite video with PAL/NTSC automatic recognition. There is also a multiformat connector for HD or SD analog component signals. For computer graphic applications, this unit also has a scalable XGA input. Additional features include, setup memory, Zoom function, 6 Frame Marker Overlays and direct access for adjustment and selection functions. With an optional VESA adapter this monitor can be wall or ceiling mounted. Instruction manual and universal power supply are included.



- ◆ Brightness of 450 cd/m2, 500:1 contrast ratio with response rates less than 23 ms, and a 170° CRT style viewing radius—in any direction— makes it deal in a variety of light and viewing environments.
- ◆ 4:3 and 16:9 screen aspect ratios for DTV applications in HD and SD formats

- ◆ Standard Multiformat inputs:
 - HDS/SDI (all formats)
 - SDI (ITU-R BT601 format)
 - Component Analog HD/SD
 - Composite Video PAL/NTSC
 - XGA Display Zoom function

- ◆ Mono display (Black and White)
- ◆ Built in Color Bars
- ◆ 6 Frame Marker Overlays with Center Mark
- ◆ Easy to see three color tally indicators
- ◆ Adjustment Settings Memory

V-R171P-AFHD Rackmount

(Mfr # V-R171P-AFHD • B&H # MAVR171PAFHD)**2539.95**

V-R171P-AFHD-DT Desktop

(Mfr # V-R171P-AFHD-DT • B&H # MAVR171PAFHQ)**2497.95**



V-R201P-AFHD

20" Rack/Desktop Widescreen HD LCD Monitor

The V-R201P-AFHD is a 20" widescreen high-definition LCD monitor featuring completely digital TFT-MegaPixel active matrix LCD platform. When rack mounted, the V-R201P-AFHD is ideal for video wall applications, occupying only 7 RU. Also available with a desktop stand. Emulation of SMPTE-C color and adjustable color temperature enable the most precise color representation possible. Proprietary digital signal processing features 10-bit A/D conversion of all analog signals, with 4x over-sampling and 5-line super-adaptive 2D comb filtering of composite signals. Multi-format compatibility accommodates virtually all video formats including NTSC/PAL, 480i/p, 720p, and 1080i/p standards. VGA and DVI inputs accept VESA standards allowing the display to be used as a computer monitor. Advanced features include aspect ratio settings, a variety of screen markers, Underscan mode, Blue-only mode, monochrome mode, H/V delay, and Pixel-to-Pixel mode. Otherwise identical, it is also available in 26" and 32" desktop versions.

- ◆ Completely digital 20" TFT-MegaPixel active matrix LCD system with 3.1 million pixels
- ◆ 430 cd/m2 brightness, 600:1 contrast ratio and 178° all-around viewing angle
- ◆ End-to-end digital signal processing using 10-bit A/D conversion with 4x over-sampling, 5-line super-adaptive 2D comb filtering, and formulated motion adaptive interpolation for interlaced images.

- ◆ ColorMatch Conversion emulates SMPTE-C color space with custom color temperature adjustment.
- ◆ Underscan mode, blue-only mode, monochrome mode, H/V delay, screen markers, internal color bars, etc.
- ◆ Two user-assignable function buttons on the front-panel allow quick access to numerous settings and features

- ◆ Inputs/outputs include composite and S-Video (NTSC/PAL Auto-Detect), standard and high definition analog component (BNCx3), standard and high definition HDS/SDI I/O (all formats and frame rates), VGA and DVI (accepts VESA standards).
- ◆ RS-232 and GPI ports
- ◆ 50,000-hour backlight life

20" V-R201P-AFHD (Mfr # V-R201P-AFHD • B&H # MAVR201PAFHD)

Includes rackmount bracket**2439.95**

26" V-R261P-AFHD-DT (Mfr # V-R261P-AFHD-DT • B&H # MAVR261PAHDD)

Includes desktop stand**2799.95**

20" V-R201P-AFHD-DT (Mfr # V-R201P-AFHD-DT • B&H # MAVR201PAFHQ)

Includes desktop stand**2439.95**

32" V-R321P-AFHD-DT (Mfr # V-R321P-AFHD-DT • B&H # MAV321PAHDD)

Includes desktop stand**3599.99**

LCD RACKS



V-R18P

Eight 1.8" Color LCD Monitors in a Single Rack Space

The V-R18P offers eight high resolution (280 x 220) 1.8" LCD color TFT displays with 200:1 contrast ratio in a single rack (1RU high) unit. The front panel can be tilted $\pm 45^\circ$ up or down to achieve the best viewing angle for your installation. It has 8 composite BNC active loop inputs and outputs and includes a universal voltage power supply. Can be used as a confidence monitoring station for an entire racks of gear.

- ◆ Small footprint, installs into a standard 19" rack.
- ◆ Automatic NTSC/PAL signal detection for each display; signals may be interspersed on the eight screens.
- ◆ Each display accepts a composite video signal with active outputs.
- ◆ 90° tilt provides excellent viewing characteristics.
- ◆ All inputs automatically terminate.
- ◆ A blue screen will be displayed indicating signal loss.

V-R18P: 8x 1.8" LCD Monitor Rack (Mfr # V-R18P • B&H # MAVR18P) **1849.95**

V-R18P-SDI (Mfr # V-R18P-SDI • B&H # MAVR18PSDI)

Same as the V-R18P, except the V-R18P-SDI has 8 SDI inputs.....**2789.95**

V-R25P

Ten 2.5" LCD Rack-Mounted Panel



The V-R25P packs 10 high resolution (480 x 234) 2.5" active matrix LCD panels with active loop through feature in a 19" rack (3RU high) that can be tilted 90° up or down for optimum viewing. Each screen has NTSC/PAL auto-signal recognition, and a blue screen appears if there is no video signal present. Includes power supply and dry erase marker for labeling screens. Applications for the V-R25P include everything from a remote truck installation to a security desk.

- ◆ One composite input and loop through output for each display. Each input is automatically self terminating. If no input signal is detected, the monitor shows a blue screen.
- ◆ 180° tilt provides excellent viewing characteristics.
- ◆ For ever changing productions, the monitors each have a dry-erase marking area to clearly identify each screen's source, program or camera position. Includes one dry erase marker for this purpose.

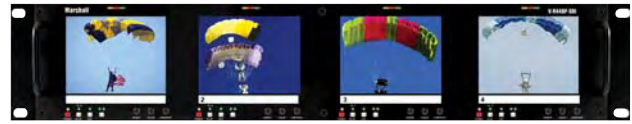
V-R25P: 10x 2.5" LCD Monitor Rack (Mfr # V-R25P • B&H # MAVR25P) ..**2699.95**

V-R25P-SDI (Mfr # V-R25P-SDI • B&H # MAVR25PSDI)

The same as the V-R25P, except with 10 SDI inputs.....**3659.95**

V-R44DP-SDI

Quad 3.5" Screen SDI Monitor Set



Featuring advanced resolution anti-glare TFT screens with completely digital signal processing, the rack-mountable and tiltable V-R44DP-SDI represents leading edge LCD technology for broadcast and professional video applications All SMPTE/ITU serial digital video standards and frame rates are accepted and displayed on each screen. All video formats are scaled to fit on screen in the highest resolution using a state of the art LSI that incorporates 4x4 pixel interpolations with precision Gamma correction to produce the best images available. Each screen is calibrated to SMPTE standards for gamma and color temperature. Ideal for remote/OB van, EFP/ENG, as studio monitor wall, fly packs and VTR/DDR replay.

- ◆ Four 3.5" Advanced Definition (640 x 480) 4:3 screens.
- ◆ Wide viewing angle (130° horizontal, 120° vertical) provides superior visibility when the viewer is not directly in front of the screen.
- ◆ Ultra bright panels with 300 cd/m² (candle luminance).
- ◆ 400:1 contrast ratio and fast response rates resulting in excellent quality for moving images.
- ◆ 4:3 and 16:9 screen aspect ratios for DTV applications.
- ◆ On screen display (OSD) on each screen to indicate signal format.
- ◆ Blue Only Mode for color adjustment.
- ◆ 4 standard definition SDI inputs (all SMPTE/ITU SDI production formats and frame rates).
- ◆ Re-clocked and shaped output of all input signals.
- ◆ Three Tally lamps per display.
- ◆ Unique 180° tilt adjustment while mounted in rack.

V-R44DP-SDI (Mfr # V-R44DP-SDI • B&H # MAVR44DPSDI)**2569.95**

V-R44P-HDSDI

Quad 3.5" Screen HDSDI/SDI Monitor Set

Same as the V-R44DP-SDI, except that it accepts all standard definition SDI signals as well as all high definition SDI signals (all formats and frame rates): 1080-24P, 25P, 30P, 50i, 60i ; 720-24P, 25P, 30P, 50P, 60P.

V-R44DP-HDSDI (Mfr # V-R44P-HDSDI • B&H # MAVR44PHDSDI)**3329.95**

V-R44P-DVI

Quad 3.5" Screen DVI/VGA Monitor Set

Same features as the other V-R44DP-SDI and V-R44P-HDSDI except this rack works with DVI and VGA (up to 1024 x 768) sources. It offers one DVI input, one VGA input (requires adapter). Ideal for conference room AV signal confidence, confidence monitor for projectors, video conferencing, and confidence for servers.

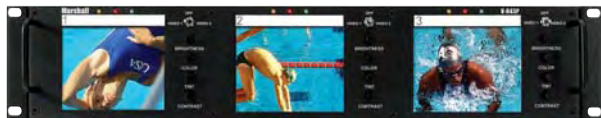
V-R44DP-DVI (Mfr # V-R44P-DVI • B&H # MAVR44PDVI)**2899.95**

MARSHALL ELECTRONICS

LCD RACKS

V-R43P

Triple 4" Rack-Mounted LCD Panel



The V-R43P is a rack-mountable unit that offers three 4" high-resolution (480 x 234) active matrix LCD panels. Each of the three screens has its own set of controls for color, tint, contrast, and brightness. Each panel has an on/off switch, two composite video inputs with active loop through feature, a self-powered 3 color tally system, and automatic recognition of NTSC or PAL video formats. Constructed of steel and aluminum and includes power supply.

- ◆ Ultra bright panels with 300 cd/m² (candle luminance).
- ◆ Each screen has 2 composite inputs with active loop through feature.
- ◆ Unique 100° tilt adjustment while mounted in rack.
- ◆ Three color, self-powered tally system provided for each panel.
- ◆ Includes dry erase marker for EZ identifying of screens.

V-R43P (Mfr # V-R43P • B&H # MAVR43P)**999.95**

V-R44P

Quad 4" Rack-Mounted LCD Panel



The smallest video monitoring system of its kind, the rack-mountable V-R44P offers four 4" high-resolution (480 x 234) active matrix LCD panels. Each of the screens has its own set of controls for color, tint, contrast, and brightness. Each panel has its own input with active loop through feature, a 3 color tally system, and NTSC/PAL auto recognition. This unit is only 2U high, and can be tilted up to 90° while rack mounted. Constructed of steel and aluminum and includes power supply.

- ◆ Ultra bright panels with 300 cd/m² (candle luminance).
- ◆ NTSC/PAL auto recognition.
- ◆ Individual color, tint, brightness and contrast controls
- ◆ Unique 100° tilt adjustment while mounted in rack
- ◆ Three color, self-powered tally system provided for each panel.
- ◆ Includes dry erase marker for EZ identifying of screens.

V-R44P (Mfr # V-R44P • B&H # MAVR44P)**1249.95**

All Marshall rackmount monitors incorporate a high quality LCD panel with a service life of 50,000 hours to provide operation for years of regular usage. Run them continuously for over 2000 (24-hour) days. That's almost 6 years. Broken down to 8-hour days, they will run for almost 15 years.

V-R53P

Triple 5" Rack-Mounted LCD Panel



The V-R53P is a rack-mounted unit that has three independently controlled 5" high resolution (960 x 234) active matrix LCD panels with active loop through feature. It offers a unique 180° tilt adjustment while mounted in a standard 19" rack, 3U high. Each of the three screens has a built-in color bar generator, individual front mounted selector buttons with LED indicators and color, tint, brightness and contrast controls. Each screen has two composite video inputs and outputs, and a VGA input for computer monitoring. Constructed of steel and aluminum and includes power supply.

- ◆ Ultra-bright 350 cd/m² (candle luminance).
- ◆ Two composite video inputs per monitor with active loop through feature and automatic 75 ohm termination.
- ◆ Low power consumption and heat dissipation for mobile applications.
- ◆ Automatic NTSC/PAL signal detection for each display.
- ◆ Three color, self-powered tally system provided for each panel.
- ◆ VGA inputs for computer multi media monitoring (640 x 480).
- ◆ Individual color, tint, brightness and contrast controls for each panel.
- ◆ Built-in color bar generator.

V-R53P: 3x 5" LCD Monitor Rack (Mfr # V-R53P • B&H # MAVR53P)**1749.95**

V-R53P-SDI

Triple 5" Rack Mounted LCD Panel with SDI Inputs

Same as the V-R53P (above), except the V-53P-SDI exchanges one of the two composite inputs (per display) for an SDI input with reclocked loop through feature. (Mfr # V-R53P-SDI • B&H # MAVR53PSDI)**2849.95**

V-R563P

Triple 5.6" Rack-Mounted LCD Panel

A 5.6" version of the V-R53P, the V-R563P is otherwise identical, except it has no VGA inputs. (Mfr # V-R563P • B&H # MAVR563P)**1339.95**

V-R563P-SDI

Triple 5.6" Rack-Mounted LCD Panel with Composite Video and SDI Inputs

Same as the V-R563P (above), except the V-563P-SDI exchanges one of the two composite inputs (per display) for an SDI input with reclocked loop through feature. (Mfr # V-R563P-SDI • B&H # MAVR563PSDI)**2259.95**

LCD RACKS

V-R63P

Triple 5.8" Wide-Screen Rack-Mounted LCD Panel



The V-R63P has three independently controlled 5.8" high resolution (1200 x 234) active matrix LCD panels with active loop through. Each of the screens has a built-in color bar generator, controls for brightness, color, tint, contrast, and selectable 16:9/4:3 aspect ratio. Each panel accepts dual composite video inputs with selectable NTSC/PAL switch. Built in 3-color self-powered tally system for each screen. Unique 100° tilt adjustment while mounted in any standard 19" (3RU high) rack.

- ◆ Ultra bright 350 cd/m² (candle luminance).
- ◆ Dual composite video inputs per display with switchable NTSC/PAL and 4:3 /16:9 ratios.
- ◆ Auto Signal Detection, blue screen appears when signal is not present.
- ◆ Individual color, tint, brightness and contrast controls for each panel.
- ◆ Built-in memory saves current setup when unit is powered down.
- ◆ Dry Erase Marker for EZ Identifying of screens is included.

V-R63P: Triple 5" Monitor Rack (Mfr # V-R63P • B&H # MAVR63P)**2559.95**

V-R63P-SDI

Triple 5.8" Wide-Screen Rack-Mounted LCD Panel

Same as the V-R63P (above), except the V-R63P-SDI exchanges one of the two composite inputs (per display) for an SDI input with relocked loop through feature, and three built-in 10-bit SDI to composite video D/A converters. (Mfr # V-R63P-SDI • B&H # MAVR63PSDI)**3094.95**

V-R653P-HDSDI

Triple 6.5" Serial Digital HD/SD Monitor Set

The rackmounted and 100° tiltable V-R653P-HDSDI features three high resolution (800 x 480) 6.5" screens with completely digital signal processing. Standard and high definition SDI inputs are accepted and displayed on each screen. All video formats are scaled to fit on screen in the highest resolution using a state of the art LSI with precision Gamma correction to produce the best images available. Each screen is calibrated to SMPTE standards for gamma and color temperature.

- ◆ Ultra bright 500 cd/m² (candle luminance), with wide viewing angle (130° horizontal, 120° vertical) and 500:1 contrast ratio with response rates less than 30ms.
- ◆ 4:3 and 16:9 aspect ratios for DTV applications in HD and SD formats.
- ◆ Blue Gun for color adjustment, easy to see three color tally indicators.
- ◆ Three (one per monitor) SD/HD SDI inputs (all formats and frame rates), and SD/HD digital signal indicators. Re-clocked and shaped output of all input signals.

V-R653P-HDSDI: (Mfr # V-R653P-HDSDI • B&H # MAVR653PHDS)**2959.95**

V-R653-IMD-TE

Triple 6.5" SD/HD Rack Mounted Monitor Set with HDSDI/SDI Inputs and In-Monitor Display



An "all-in-one" solution for post production houses, broadcasters, and mobile units, the V-R653-IMD-TE (In-Monitor Display) eliminates the need for additional or separate under monitor displays and allows UMD information and tallies to be displayed directly within the monitor, while saving precious rack space. A variety of features are readily available including on-screen timecode, three-color "Soft" Tallies, and Audio Presence Indicator. Also includes the RotoMenu feature which allows fast, direct, and easy menu navigation.

- ◆ Integrates easily with existing Tally systems and controllers, while supporting Image Video, NVISION, and MEI protocols.
- ◆ Ready to rackmount (4RU high), it provides up to 20% more screen compared to competitors' LCD models that occupy the same space. Also a perfect solution for large video wall applications and systems.
- ◆ Can also be used as standalone displays, each screen offers a single HDSDI/SDI input with active loop-through capability.
- ◆ 600 cd/m² luminance for enhanced image quality in varying light and viewing conditions
- ◆ 600:1 ratio of contrast between black and white luminance values
- ◆ 3-color on-screen "soft" and LED tally indicators (Red, Green, Amber)
- ◆ On-screen video timecode and audio presence indicator
- ◆ RS-422 port with loop-through for control communication / IMD functionality. Field upgradeable firmware capable via RS-422 port
- ◆ Built-in Color Bars with Blue Gun for color adjustment
- ◆ Direct access for adjustments of brightness and contrast
- ◆ 6 Frame Marker Overlays with Center Mark
- ◆ Pixel-to-Pixel mode
- ◆ Adjustment Settings Memory

V-R653-IMD-TE (Mfr # V-R653P-IMD-TE • B&H # MAVR653PIMDT).....**4299.95**

V-R653SB-IMD

Triple 6.5" SunBright SD/HD Rack Mounted Monitor Set with HDSDI/SDI Inputs and In-Monitor Display

Coming in the 3rd quarter, the V-R653SB-IMD combines Marshall's SunBright and IMD (In-Monitor Display) technology. Consisting of three 6.5" monitors, they are designed specifically for outdoor applications with high ambient light, minimizing surface reflection of both outdoor and indoor light, while featuring a much wider color reproduction range than typical transfective/reflective LCDs or even those with increased backlight performance. All this, while eliminating the need for additional or separate under monitor displays.

MARSHALL ELECTRONICS

LCD RACKS

V-R72DP

Dual 7" Rackmounted Monitors with Integrated 6 x 2 Router / Sequencer



Rackmounted and tiltable, the unique V-R72DP features 2 high resolution (800 x 480) 7" TFT screens, an integrated 6x 2 router/sequencer, and completely digital signal processing. Analog composite signals are digitized using an advanced 10-bit process on each signal path with 4x over sampling and adaptive 5-line comb filter with exacting color space conversion. All video formats are scaled to fit on screen in the highest resolution using LSIs that incorporate 4 x 4 pixel interpolation with precision Gamma correction to product the best images available.

- ◆ Wide viewing angle (130° horizontal, 120° vertical)
- ◆ Ultra bright 380 cd/m² (candle luminance)
- ◆ 400:1 contrast ratio with response rates less than 30ms
- ◆ 4:3 and 16:9 aspect ratios for DTV applications in HD and SD formats.
- ◆ 6 composite video inputs with automatic NTSC/PAL detection.
- ◆ Loop through of all inputs signals; any of the 6 inputs can be routed to each screen; each screen can sequence through all active inputs.
- ◆ Active output for video displayed on each screen.
- ◆ Easy to see three color tally indicators; built in color bars.
- ◆ Blue Screen for color adjustment; adjustment settings memory.
- ◆ Unique 180° tilt adjustment while mounted in rack.

V-R72DP: Dual 7" Monitor Rack (Mfr # V-R72DP • B&H # MAVR72DP)**2499.95**

Other Versions without the Router

V-R72DP-2C: Same as the V-R72DP, except that the V-R72DP-2C does not integrate a router, and features two composite video inputs per screen (Mfr # V-R72DP-2C • B&H # MAVR72DP2C).....**1669.95**

V-R72P-2SD: The V-R72DP-2SD has all the features of the V-R72DP-2C (above), except it differs in its input configuration. Inputs (per monitor) include one composite video, S-Video, component HD/SD and standard definition SDI (Mfr # V-R72P-2SD • B&H # MAVR72P2SD)**2259.95**

V-R72P-2HD: Same as the V-R72P-2SD except it accepts all standard definition SDI signals as well as all high definition SDI signals (all formats and frame rates (Mfr # V-R72P-2HD • B&H # MAVR72P2HD)**3249.95**

V-R72P-2HDSDI: Same as the V-R72P-2HD except it only offers SD and HD SDI inputs (Mfr # V-R72P-2HDSDI • B&H # MAVR72P2HDSDI)**2499.95**

V-R72P-2HDA: Same as the V-R72P-2SD except it switches two SDI inputs for DVI inputs (Mfr # V-R72P-2HDA • B&H # MAVR72P2HDA)**2359.95**

V-R81PA

7.9" Rack-Mounted LCD Panel with 4-Channel Audio

The V-R81PA has a high resolution (1440 x 234) 7.9" active matrix LCD panel with automatic NTSC/PAL recognition and 4 separate XLR-balanced audio inputs.



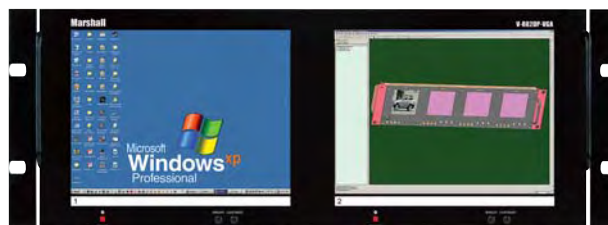
The video section has two composite video inputs and one S-Video input, each with active loop through. The four audio channels have a passive loop through for each channel. Simultaneous visual monitoring of the 4 audio channels is done using the LED bar graph display. Each speaker can output any of the four audio channels and selected channel output is indicated by an LED number display. Complete controls for color, tint, contrast, and brightness via on-screen menu.

- ◆ 3-position switch for input audio meter lever calibration. 0 VU=-10dBu, 0dBu or +4dBu.
- ◆ Unique 180° tilt adjustment while mounted in rack.
- ◆ Three color, self-powered tally system.
- ◆ Dry Erase Marker for EZ Identifying of screen is included.

V-R81PA (Mfr # V-R81PA • B&H # MAVR81PA)**1664.95**

V-R82DP-VGA • V-R102DP-VGA

Dual 8.4" and 10.4" Screen VGA Monitor Sets



The high-resolution (800 x 600) dual screen V-R82DP-VGA and V-R102DP-VGA are unique solutions for professional IT, A/V and multimedia applications. Ready to rack mount in 4RU or 5RU space with a unique 180° tilt adjustment, they save valuable rack space. Only 1.65" deep, they are perfect for use in any 19" relay or equipment rack. They feature award-winning Digital TFT-Megapixel system. Signals are input via a HD-15 connector up to SXGA resolution.

- ◆ 500 (V-R82DP-VGA) or 600 (V-R102DP-VGA) cd/m² candle luminance
- ◆ 500:1 contrast ratio and fast response rate (under 25ms)
- ◆ One VGA and one DVI-D input per screen
- ◆ Inputs include PC up to SXGA (1280 x 1024) and DVI-D
- ◆ Menu control for screen adjustments and status
- ◆ On screen display (OSD) of input status, formats, and menu functions
- ◆ Adjustable screen position and image size

V-R82DP-VGA (V-R82DP-VGA • B&H # MAVR82DPVGA)**1549.95**

V-R102DP-VGA (Mfr # V-R102DP-VGA • B&H # MAVR102DPVGA)**1699.95**

8" & 10" LCD MONITOR RACKS

V-R82DP-2C • V-R102DP-2C

Dual 8.4" and 10.4" Screen Monitor Sets

Featuring two high resolution (800 x 600) 8.4" or 10.4" LCD screens, the V-R82DP-2C and V-R102DP-2C rackmount (4RU & 5RU high) out of the box, saving valuable space. Analog signals are digitized using an advanced 10-bit process, and all screen formats are scaled to fit on screen in the highest resolution using a proprietary program and state of the art LSI.

- ◆ Wide viewing angle of 130° H/V provides superior visibility
- ◆ Bright 350 (V-R82DP) or 600 (V-R102DP) cd/m² candle luminance for enhanced image quality in varying light and viewing conditions.
- ◆ 350:1 (V-R82DP-2C) or 500:1 (V-R102DP-2C) contrast ratio and fast response rates for excellent quality for moving images.
- ◆ 4:3 and 16:9 screen aspect ratios for DTV applications
- ◆ Easy to use front panel selection of inputs. All adjustments and selections are readily available. No menus!



- ◆ Two composite video inputs per screen with automatic PAL/NTSC signal detection.
- ◆ Loop through of all input signals; all inputs automatically terminate.
- ◆ On Screen Display (OSD; Blue Screen for color adjustment.
- ◆ Easy to see 3-color tally indicators; unique 180° tilt adjustment.
- ◆ Dry erase label for each screen.

V-R82DP-2C (Mfr # V-R82DP-2C • B&H # MAVR82DP2C).....**1569.95**

V-R102DP-2C (Mfr # V-R102DP-2C • B&H # MAVR102DP2C)**2049.95**



V-R82DP-2SDI • V-R102DP-2SDI

Dual 8.4" and 10.4" Screen SDI Monitor Sets

The same as the V-R82DP-2C and V-R102DP-2C (respectively), except the V-R82DP-2SDI and V-R102DP-2SDI feature 2 SDI inputs for each of the screens. In addition, they employ Hyper Process for motion compensation to provide smooth motion of interlace images. All screen formats are scaled to fit on screen in the highest resolution using Marshall's proprietary program and state of the art LSI with CRT Color Match conversion to emulate SMPTE-C phosphor of a CRT.

Same as the V-R82DP-2C • V-R102DP-2C except:

- ◆ Two standard definition SDI inputs per screen with automatic PAL/NTSC signal detection.
- ◆ Menu functions for color temperature (D65 or User), RGB Color Gain and RGB Color Bias.
- ◆ Bright 500 (V-R82DP-2SDI) or 600 (V-R102DP-2SDI) cd/m² candle luminance for enhanced image quality in varying light and viewing conditions.
- ◆ 500:1 contrast ratio and very fast response (under 25ms) rate for excellent quality for moving images.
- ◆ Underscan (Pixel to Pixel) mode changes the size of the image to fill the whole screen. Bypasses the enlargement or scaling function and displays the native incoming format.

V-R82DP-2SDI (Mfr # V-R82DP-2SDI • B&H # MAVR82DP2SDI).....**2649.95**

V-R102DP-2SDI (Mfr # V-R102DP-2SDI • B&H # MAVR102DP2SDI).....**2849.95**

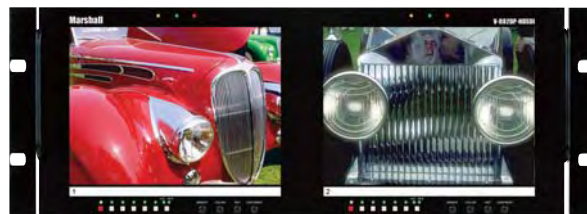
V-R82DP-HDSDI • V-R102DP-HDSDI

Dual 8.4" and 10.4" Screen SDI Monitor Sets

Same as the V-R82DP-2SDI and V-R102DP-2SDI except the V-R82DP-HDSDI and V-R102DP-HDSDI step up with HD performance, accepting all standard definition SDI signals as well as all high definition SDI signals (all formats and frame rates): 1080-24P, 25P, 30P, 50i, 60i; and 720-24P, 25P, 30P, 50P, 60P.

V-R82DP-HDSDI (Mfr # V-R82DP-HDSDI • B&H # MAVR82DPHDSDI)**2849.95**

V-R102DP-HDSDI (Mfr # V-R102DP-HDSDI • B&H # MAVR102DPHDSI).....**2999.95**

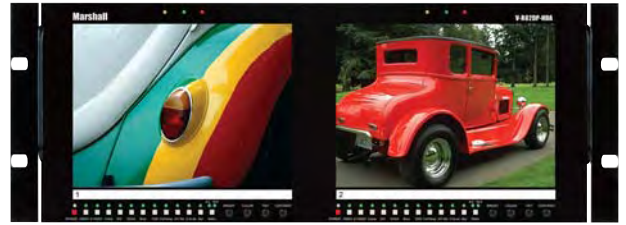


8" & 10" LCD MONITOR RACKS

V-R82DP-HDA • V-R102DP-HDA

Multiformat Dual 8.4" and 10.4" Screen Monitor Sets

Featuring two high resolution (800 x 600) 8.4" or 10.4" LCD screens, the V-R82DP-HDA (4RU) and V-R102DP-HDA (5RU) are equipped with multiple inputs including composite, S-Video, component analog SD/HD, DVI Analog or Digital from HDMI with HDCP, plus PC up to SXGA resolution. Analog signals are digitized using an advanced 10-bit process with 4x over sampling and adaptive 5-line comb filter, and they employ Hyper Process for motion compensation to provide smooth motion of interlace images. All screen formats are scaled to fit on screen in the highest resolution using a proprietary program and state of the art LSI with Match Color Conversion to emulate SMPTE-C phosphor of a CRT. Additional features include Pixel-to-Pixel native resolution scaling, setup memory, Underscan, H/V Delay, adjustable color temperature, and Blue Gun.



- ◆ Wide viewing angle of 130° H/V
- ◆ Bright 500 (V-R82DP-HDA) or 600 (V-R102DP-HDA) cd/m² candle luminance
- ◆ 500:1 contrast ratio and fast response rate (under 25ms).
- ◆ 4:3/16:9 aspect ratios for DTV applications.
- ◆ Color temperature preset for D65
- ◆ Inputs include any analog video signal:
 - Component analog for all HD and SD formats
 - Composite and S-Video with automatic PAL/NTSC recognition
 - DVI (Analog and Digital with HDMI/HDCP)
 - PC signals up to SXGA (1280 x 1024)
- ◆ Easy to see three color tally indicators.
- ◆ Loop through of all video input signals.
- ◆ On screen display (OSD) of input status, formats, and menu functions.
- ◆ Dry erase label for each screen.
- ◆ Unique 180° tilt adjustment.

V-R82DP-HDA (Mfr # V-R82DP-HDA • B&H # MAVR82DPHDA)**2649.95** **V-R102DP-HDA** (Mfr # V-R102DP-HDA • B&H # MAVR102DPHDA)**2849.95**

V-R82DP-SD • V-R102DP-SD

SDI Multi-format Dual 8.4" and 10.4" Monitor Sets

Exactly the same as V-R82DP-HDA and V-R102DP-HDA (respectively), except the V-R82DP-SD (8.4") and V-R102DP-SD (10.4") add a standard definition SDI input per monitor.

V-R82DP-SD (Mfr # V-R82DP-SD • B&H # MAVR82DPSD)**3099.95**
V-R102DP-SD (Mfr # V-R102DP-SD • B&H # MAVR102DPSD)**3449.95**

V-R82DP-HD • V-R102DP-HD

HDSDI Multi-format Dual 8.4" and 10.4" Monitor Sets

Same as V-R82DP-SD and V-R102DP-SD, except the V-R82DP-HD (8") and V-R102DP-HD (10") step-up with HD performance, accepting all SD-SDI signals as well as all HD-SDI signals (all formats and frame rates)

V-R82DP-HD (Mfr # V-R82DP-HD • B&H # MAVR82DPHD)**3569.95**
V-R102DP-HD (Mfr # V-R102DP-HD • B&H # MAVR102DPHD)**3949.95**

V-R842DP-AFHD • V-R1042DP-AFHD

Dual Screen 8.4" and 10.4" Rack-Mounted High-Resolution HD/SD Monitors with Advanced Features

The 8.4" V-R842DP-AFHD (4RU) and 10.4" V-R1042DP-AFHD (5RU) are leading edge LCD monitors for professional and broadcast applications. High resolution, 2.4 Megapixel (1024 x 768) TFT screens with completely digital signal processing. All SMPTE/ITU video standards and signal types are accepted and displayed on each screen. Analog signals are digitized using advanced 10-bit process on each signal path with 4x over sampling and adaptive 5-line comb filter with exacting color space conversion. Video formats are scaled to fit on screen in the highest resolution using a state-of-the-art LSI that incorporates 4x4 pixel interpolations with precision Gamma correction to produce the best images available.



- ◆ 170° CRT-style viewing radius in all directions provides superior visibility.
- ◆ Bright 400 cd/m² candle luminance
- ◆ 400:1 (V-R842P) and 700:1 (V-R1042DP) contrast ratio and 25ms response rate
- ◆ Calibrated Color Temperature and Gamma
- ◆ 4:3/16:9 aspect ratios for DTV applications in HD and SD formats
- ◆ 6 Frame Marker Overlays with Center Mark
- ◆ Built-in color bar generator with Blue Gun for color adjustment
- ◆ Inputs include: Composite video PAL/NTSC, S-Video, analog component (YPrPb), standard and high definition SDI (all formats and frame rates), VGA to XGA and DVI-I. Loop through of all input signals
- ◆ Zoom function
- ◆ Easy to see three color tally indicators
- ◆ Adjustment Settings Memory

V-R842P-AFHD
 (Mfr # V-R842P-AFHD • B&H # MAVR842PAFHD) ..**4149.95**

V-R1042P-AFHD
 (Mfr # V-R1042P-AFHD • B&H # MAVR1042PAF) ...**4549.95**

10" & 15" LCD MONITOR RACKS

V-R1042-IMD-TE4U

Dual 10.4" Rack-Mounted HD/SD Monitors with In-Monitor Display

A cost-effective "all-in-one" solution for post production houses, broadcasters, and mobile units, the V-R1042-IMD-TE4U



(In-Monitor Display – Truck Edition) is a dual fully-integrated 10.4" monitor set that eliminates the need for additional or separate under monitors displays and allows UMD information and tallies to be displayed directly within a flat panel monitor, while saving precious rack space. A variety of features are available including on-screen timecode, three-color "Soft" Tallies, and Audio Presence Indicator. Includes the RotoMenu feature which allows fast, direct, and easy menu navigation.

- ◆ Integrates easily with existing Tally systems and controllers, while supporting Image Video, NVISION, and MEI protocols. Also a perfect solution for large video wall applications and systems. Can also be used as standalone displays with HDS/SDI loop-through.
- ◆ On-screen tri-color tallies (Red/Green/Amber) offer better flexibility and visibility with many different applications, specifically in multi-display and mobile applications. Each on-screen tally can be individually controlled through RS-422 port or DB-15 connector (contact closure).
- ◆ Each screen offers a single HDS/SDI input with active loop-through capability. Additional features include ultra-wide viewing angles, adjustment settings memory, Zoom function, 6 Frame Marker Overlays, built-in Color Bars, Pixel-to-Pixel mode, Blue Gun, and direct access for adjustment and selection functions. Can also be used as standalone displays with HDS/SDI loop-through.
- ◆ Timecode is decoded from HDS/SDI auxiliary data stream and integrated on-screen for quick and easy reference.
- ◆ "Audio Present" indicates that embedded audio is detected from HDS/SDI auxiliary data stream. "No Audio Present" indicates that embedded audio is not detected from HDS/SDI auxiliary data stream.
- ◆ RS-422 connection with loop-through for control communication, IMD functionality, and field-upgradeable firmware capability.
- ◆ RotoMenu offers fast, direct, and easy menu navigation with just a single digital rotary switch.
- ◆ 4RU unit also ships ready to rack mount and provides up to 20% more screen when compared to competitors' LCD models that occupy the same amount of space. Perfect solution for large video wall applications and systems.

V-R1042-IMD-TE4U (Mfr # V-R1042-IMD-TE4U • B&H # MA1042DPIMDT)**3564.95**

V-R1042DP-TE4U (Mfr # V-R1042DP-TE4U • B&H # MA1042DPTE4U)
Same as above without IMD**3479.95**

V-R1042DP-TE (Mfr # V-R1042DP-TE • B&H # MAVR1042DPTE)
Same as above in a 5RU**3479.95**

V-R151P-4

15" Rack-Mountable LCD Monitor with Built-in Quad Splitter and Sequential Switcher

A high-resolution (1024 x 768) 15" LCD rack mounted unit (6RU high) that includes a Quad Splitter and Sequential Switcher. The Quad Splitter allows all of the four channels to appear on the monitor simultaneously either



using full screen or picture-in-picture mode. For added flexibility, it can accommodate composite, S-Video or XGA for computer monitoring (S-Video and XGA inputs are only available in full screen mode).

- ◆ Each of the screens can have a user designated ID (done via the menu)
- ◆ PiP (Picture-In-Picture) priority monitoring function. While the quad screen gives equal priority, or size to each channel, the PiP gives one channel the full screen with the other three appearing in smaller boxes within the screen. The PiP boxes can be arranged horizontally or vertically via the menu. To change the priority of the four channels, simply press the PiP button as needed.
- ◆ Unique 180° tilt adjustment while mounted in rack
- ◆ 2X digital zoom mode (in single screen mode only)
- ◆ One S-Video, 4 composite and one XGA computer input
- ◆ Four tally lights installed to correspond with the quad split screen.

V-R151P-4 (Mfr # V-R151P-4 • B&H # MAVR151P4)**2259.95**



V-R154P

15" Rack-Mountable LCD Monitor with Built-in TV Tuner, Quad Splitter, Sequential Switcher/Router with Stereo Audio

The V-R154P's panel has 1024 x 768 pixels producing a true high resolution image. The Quad Splitter allows all four channels to appear on the monitor simultaneously either using full screen or picture-in-picture mode. Controlled and calibrated using an on screen display while using the front mounted buttons for adjustment. The built-in audio system has four balanced stereo inputs that are mono compatible which automatically default to the video source selected or can select any audio source to accompany any video source. For added flexibility, it accommodates composite, S-Video or XGA for computer monitoring (TV, S-Video and XGA inputs are only available in full screen mode). Has four self-powered tally lights. Fits into a 9" rack, 8U high. Offers 180° tilt adjustment while mounted in the rack.

V-R154P (Mfr # V-R154P • B&H # MAVR154P)**3549.95**

MARSHALL ELECTRONICS

15" & 17" LCD MONITOR RACKS

V-RD151P

15" Rack-Mountable Pull-out Drawer LCD w/Audio



A high-resolution (1024 x 768) 15" active matrix LCD with CRT style viewing angles designed to collapse into a single 1RU high (1.75") space when not in use. Saving valuable rack space, it is ideal for use in remote, ENG and EFP vehicles as a video and audio program monitor and provides large screen viewing of a video

feed to a satellite uplink or for use with a laptop editing system. Includes XGA/VGA, composite and S-Video inputs and stereo audio. All connections are accessed from the rear of the drawer enclosure and include loop through for each signal. When the display is closed into the drawer, a keyed lock is provided for secure transport.

- ◆ Bright 250 cd/m² candle luminance.
- ◆ One composite (NTSC/PAL auto recognition) and one S-Video input with 75W termination and active loop through feature. Also has XGA input, two unbalanced RCA audio inputs, and built-in speakers.

V-RD151P (Mfr # V-RD151P • B&H # MAVRD151P) **1324.95**

V-RD151-4

15" Rack-Mountable Pull-Out Drawer LCD Panel with Quad Splitter



Like the V-RD151P, the V-RD151-4 is another save saving monitor in a drawer. Except it also features a Quad Split and Sequential Switcher for composite video signals.

When the display is closed into the drawer, a keyed lock is provided for secure transport.

- ◆ Bright 250 cd/m² candle luminance
- ◆ 4 composite and one S-Video inputs with 75W termination and active loop through feature. Also has an XGA input
- ◆ Ultra-compact design fits in EIA standard rack 1RU high
- ◆ Built-in Quad Splitter/Sequential Switcher
- ◆ Digital Process Controls (not available in PC or S-Video Modes)
 - PIP: Picture in Picture menu selected display of 2 to 4 channels.
 - Zoom: expands a selected portion of the display
 - Freeze: of full screen image
 - SEQN: menu selected channel display for 2 to 4 channels of full screen image. Sequence switching can be set for 1 to 30 second intervals.

V-RD151-4 (Mfr # V-RD151-4 • B&H # MAVRD1514) **2259.95**

V-RD171P-HDA

17" Monitor in a Drawer with HD Display Ability



A rack-mounted monitor in a drawer with a 17", 5:4 active matrix LCD that collapses into a 19" rack and occupies 1RU high space when not in use. Display high-resolution 1280 x 1024 images from a computer or scaled video images. There are selector buttons for use with on-screen display (OSD). When the display is closed into the

drawer, a keyed lock is provided for secure transport. For portability, it has a 12v DC 4-pin XLR input and V-mount battery adapter.

- ◆ 300 cd/m² brightness, 500:1 contrast ratio, 170° viewing angles
- ◆ Four selectable picture modes and four preset color temperatures modes plus user mode; Automatic Gamma Correction
- ◆ Picture In Picture (PC and video input)
- ◆ Inputs include composite video (PAL/NTSC), S-Video, component SD/HD via 3 BNCs, SXGA (15-pin) and DVI-D (Digital).

V-RD171P-HDA (Mfr # V-RD171P-HDA • B&H # MAVRD171PHDA) **2499.95**

V-R171P-4

17" Rack-Mountable LCD Monitor with Built-in Quad Splitter and Sequential Switcher



A 17" LCD rack mounted unit with built-in Quad Splitter with Sequential Switcher. This high-resolution (1280 x 1024) LCD panel fits in a standard 19" rack 8U high. The splitter allows all of the four channels to appear on the monitor simultaneously either using the full screen or picture-in-picture mode. Other features

include digital freeze and zoom functions as well as 16:9 aspect ratio via an on screen menu. For added flexibility, the monitor accommodates 4 composite video, one S-Video or one XGA for computer monitoring (S-Video and SXGA inputs are only available in full screen mode).

- ◆ Brightness of 250 cd/m² and 170° CRT style viewing angles
- ◆ Software driven 16:9 to 4:3 ratio switch
- ◆ HDTV ready, can accept 1080i/720p signals with optional HD to VGA converter
- ◆ Unique 180° tilt adjustment while mounted in rack
- ◆ 50,000-hour back light life

V-R171P-4 (Mfr # V-R171P-4A • B&H # MAVR171P4A) **3099.95**

V-R191P-SDI

19" High-Resolution Rack-Mountable LCD Monitor with SDI Input

The V-R191P-SDI is a 19" high resolution (1280 x 1024) LCD panel that is the perfect fit for your DTV wide screen monitor needs. The unit offers a flexible input configuration without the need of special adapters or control boxes, standard inputs and active loop through on each connection for SDI (ITU-R BT601), composite video and S-Video. For computer graphic applications, it also offers scalable SVGA input. As an added feature, a 10-bit analog output is available when using an SDI signal. Adjustments are made using convenient front panel controls.



- ◆ 500:1 contrast ratio, 250 cd/m2 brightness and 180° CRT style viewing angles
- ◆ Response rate of under 20ms results in excellent quality for moving images
- ◆ 4:3 and 16:9 screen aspect ratios for DTV operations
- ◆ Inputs include composite (NTSC/PAL), S-Video and SDI with active loop through plus VGA/XVGA input with automatic scaling
- ◆ Three color, self-powered tally system

- ◆ When the SDI input signal is selected, a standard 10-bit composite output is provided using 12-bit D-A processing, potentially saving hundreds of dollars spent on a conversion product
- ◆ Convenient front panel controls with dedicated input and ratio selections and adjustments
- ◆ Incorporates a high-quality LCD panel that provides operation for years of regular usage, offering a service life of 50,000 hours.

V-R191P-SDI (Mfr # V-R191P-SDI • B&H # MAVR191PSDI)**3069.95**

V-R201-IMD-HDSDI • V-R231-IMD-HDSDI



20" and 23" Rack Monitors with IMD (In-Monitor Display)

Cost-effective "all-in-one" solutions for post production houses, broadcasters, and mobile units, these IMD (In-Monitor Display) monitors eliminate the need for additional or separate under monitor displays and allow UMD information and tallies to be displayed directly within a flat panel monitor, while saving precious rack space. A variety of features are readily available including on-screen timecode, three-color "Soft" Tallies, and Audio Presence Indicator. Also include the RotoMenu feature which allows fast, direct, and easy menu navigation. (For more detailed

information, see the write up on the V-R1042-IMD-TE4U on the previous page).

- ◆ No need for external Under Monitor Display — "all-in-one" In-Monitor Display solution without added depth
- ◆ Support the following protocols: Image Video / NVISION / TSL / MEI
- ◆ High-resolution 1920 x RGB x 1200 (V-R201-IMD-TE) and 1680 x RGB x 1050 (V-R231-IMD-HDSDI)
- ◆ Unique RotoMenu feature for fast, direct, and easy menu navigation
- ◆ High resolution scaling / high quality deinterlacing
- ◆ Ultra-wide viewing angles (V-R201-IMD-TE only)
- ◆ 300 cd/m2 and 400 cd/m2 (respectively) luminance produces enhanced image quality in varying light and viewing conditions
- ◆ 800:1 ratio of contrast between black and white luminance values
- ◆ Three-color on-screen "soft" tally indicators (Red / Green / Amber)
- ◆ Three LED color tally indicators (Red / Green / Amber)

- ◆ On-screen Audio Presence indicator
- ◆ On-screen video time code
- ◆ RS-422 / 485 connection with loop-through for control communication / IMD functionality
- ◆ Field upgradeable firmware capability via RS-422 / 485 port
- ◆ Built-in color bars and blue gun for color adjustment
- ◆ Direct access for adjustments of brightness and contrast
- ◆ 6 frame marker overlays with center mark
- ◆ Pixel-to-Pixel mode
- ◆ Adjustment settings memory

V-R201-IMD-HDSDI (Mfr# V-R201-IMD-HDSDI • B&H# MAVR201IMDHD).....**1949.95**

V-R231-IMD-HDSDI (Mfr # V-R231-IMD-HDSDI • B&H # MAVR231IMDHD)**2323.95**

AR-DM SERIES

Rackmount Digital Audio Monitors

The AR-DM Series are high quality, ultra-nearfield rackmount audio monitoring systems for space critical environments with interchangeable input / output modules and field-upgradeable firmware capability. Featuring four models (two 1RU and two 2RU units), the AR-DM Series digital rackmount audio monitors are ideal for TV facilities, studios, post production, VCR bays, mobile production vehicles, satellite links, and wherever multichannel audio monitoring is required. All models support 16 audio channels with four slots available for interchangeable input / output modules. The AR-DM series provides pristine audio quality and unrivaled flexibility with 100% digital processing, Class D (digital) amplification, selectable stereo downmix modes, Dolby Digital / Dolby E decoding capability (with optional Dolby E module), a 1/4" headphone jack with Level control, and an RS-485 port for on-site firmware upgrades.

The AR-DM1 provides tri-color LEDs for monitoring signal presence and system status while the AR-DM1-B and AR-DM2-B provide 10 and 20-segment tri-color bargraphs respectively. Both VU and peak metering are supported. Channel, Group, Mix, Dolby, Balance selection, and saved configurations are easily accessed via the system's large navigation buttons. For audio playback, 1RU units (AR-DM1 and AR-DM1-B) provide two magnetically-shielded loudspeakers, while the 2RU models (AR-DM2-B and AR-DM2-L) provide larger, high performance speakers and a subwoofer.

The flagship AR-DM2-L provides dual 4" high resolution 640 x RGB x 480 LCD monitors capable of displaying a wealth of information, including a high contrast, tri-color 16-bargraph display in one window while showing critical Metadata or Channel Status information in the other.



ARDM1B: 16-Channel Audio Monitor with Colored LCD

ARDM2B: 2RU 16-Channel Audio Monitor with Colored LCD



ARDM1: 16-Channel Audio Monitor

(Mfr # AR-DM1 • B&H # MAARDM1)1858.95

ARDM2B: 2RU 16-Channel Audio Monitor with Colored LCD

(Mfr # AR-DM2-B • B&H # MAARDM2B)2634.95

ARDM1B: 16-Channel Audio Monitor with Colored LCD

(Mfr # AR-DM1-B • B&H # MAARDM1B)2,224.95

ARDM2L: 2RU 16-Channel Audio Monitor with

Dual High-Resolution LCD (Mfr # AR-DM2-L • B&H # MAARDM2L).....3,019.95

Input modules to expand the functionality of the AR-DM Series

ARDM-HDSDI

Features a multi-rate SD/HD-SDI video input and a reclocked SD/HD-SDI loop-through output. The input automatically detects the characteristics of the source signal. It also supports 8 embedded channels of stereo audio or Dolby multi-channel decoding. (Mfr # ARDM-HDSDI • B&H # MAARDMHDSDI)419.95



ARDM-AES-XLR

Four balanced AES/EBU stereo inputs and four passive loop-through outputs (DB-25). Includes DB-25 to 8 XLR) breakout cable. Supports 4-channel stereo or Dolby multi-channel decoding. (Mfr # ARDM-AES-XLR • B&H # MAARDMAESXLR)419.95



ARDM-AES-BNC

4 unbalanced AES/EBU inputs and 4 passive loop-through outputs on BNC connectors. Supports 4-channel stereo or Dolby multi-channel decoding. (Mfr # ARDM-AES-BNC • B&H # MAARDMAESBNC)419.95



ARDM-AA-2OUT

Two balanced analog audio outputs. Excellent for on-the-fly 2-channel monitoring. (Mfr # ARDM-AA-2OUT • B&H # MAARDMAA2OUT)419.95



ARDM-AES-4OUT

Four unbalanced AES/EBU outputs (BNC). Capable of 4 AES/EBU outputs de-embedded from HD-SDI or SD-SDI input or decoded from Dolby E / Dolby Digital bitstream. (Mfr # ARDM-AES-4OUT • B&H # MAARDMAES4O)419.95



ARDM-AA-8XLR

8 balanced analog audio inputs (DB-25). Excellent for on-the-fly 2-channel monitoring. Nominal level: 0, +4, +6, or 8 dBu. Includes DB-25 to XLR breakout cable. (Mfr # ARDM-AA-8XLR • B&H # MAARDMAA8XLR)419.95



NEB50



5" LCD Active Matrix Field Monitor

The NEB50 is a high quality 5" LCD monitor designed for a variety of non-critical field monitoring scenarios. It is small, light weight, and easily attached to even the smallest camcorder. Can also be used for location or impromptu playback when a larger monitor is impractical or absent. It features brightness and color controls, a composite video input that can accept NTSC or PAL signals, and an audio input that can be monitored via earphone jacks. Also available with built-in mounts for use with Sony, Panasonic, JVC and Canon lithium-ion battery packs.

NEB50 (Mfr # NEB50 • B&H # NENE50) 5" LCD active matrix field monitor**429.95**

NEB50XL (Mfr # NEB50XL • B&H # NENE50XL)
5" LCD active matrix field monitor with Canon lithium ion battery adapter**524.95**

NEB50JVC (Mfr # NEB50JVC • B&H # NENE50JVC)
5" LCD active matrix field monitor with JVC lithium ion battery adapter**524.95**

NEB50PAN (Mfr# NEB50PAN • B&H# NENE50PAN)
5" LCD active matrix field monitor with Panasonic lithium ion battery adapter**524.95**

NEB50LI (Mfr# NEB50LI • B&H# NENE50LI)
5" LCD active matrix field monitor with Sony lithium ion battery adapter**524.95**



NEB50 back with
Lithium battery adapter



NEB50PRO

5" LCD Active Matrix Field Monitor

Precision engineered from the ground up to endure the rigors of the professional film and video shooting, the NEB50PRO has a shock resistant ABS plastic housing and Anti-Glare/ Anti-Reflective high brightness screen (350 cd/m2 brightness) that makes it a natural choice for outdoor use. NTSC/PAL compatible, the high resolution (960x234) monitor has one

composite video (BNC) input and output. Brightness, Contrast, Hue and tint knobs allow quick and easy adjustment. Top and bottom mountable with vertical and horizontal image flip allows the monitor to be readily underslung. Can be powered via 4-pin XLR input. Also available with Lithium-ion battery adapters for Sony, Canon or Panasonic.

NEB50PRO (Mfr# NEB50PRO ; B&H# NENE50PRO) 5" LCD active matrix field monitor**599.95**

NEB50PROXL (Mfr# NEB50PROXL ; B&H# NENE50PROXL)
5" LCD active matrix field monitor with Canon lithium ion battery adapter**749.95**

NEB50PROJVC (Mfr# NEB50PROJVC ; B&H# NENE50PROJVC)
5" LCD active matrix field monitor with JVC lithium ion battery adapter**749.95**

NEB50PROPAN (Mfr# NEB50PROPAN ; B&H# NENE50PROPAN)
5" LCD active matrix field monitor with Panasonic lithium ion battery adapter**749.95**

NEB50PROLI (Mfr# NEB50PROLI ; B&H# NENE50PROLI)
5" LCD active matrix field monitor with Sony lithium ion battery adapter**749.95**



NEB50PRO
LI back

NEB50PRO
back

NEB58 • NEB58PRO

5.8" Widescreen Active Matrix LCD Field Monitor



Designed for field monitoring, the high resolution (1200 x 234) NEB58 is a 4:3/16:9 switchable widescreen LCD packaged into a small lightweight yet durable frame, making it ideal for shooting on the go, without compromising image quality. Features one NTSC/PAL composite video input (RCA) with brightness, color, contrast and tint controls. An anti-glare panel ensuring success in harsh environments. The unit can be mounted from either the top or bottom for added flexibility, and the Horizontal/Vertical flip imaging features perfect when coupled with 35mm adapters such as the Redrock Micro M2. Also available with built-in mounts for use with Sony, Panasonic, JVC and Canon lithium-ion battery packs. The NEB58PRO steps up with professional connections including Hirose 6-pin power/video/audio connector, composite video (BNC) input and self-terminated output, and a 4-pin XLR DC input that accepts 12v to 30v power.



Designed for field monitoring, the high resolution (1200 x 234) NEB58 is a 4:3/16:9 switchable widescreen LCD packaged into a small lightweight yet durable frame, making it ideal for shooting on the go, without compromising image quality. Features one NTSC/PAL composite video input (RCA) with brightness, color, contrast and tint controls. An anti-glare panel ensuring success in harsh environments. The unit can be mounted from either the top or bottom for added flexibility, and the Horizontal/Vertical flip imaging features perfect when coupled with 35mm adapters such as the Redrock Micro M2. Also available with built-in mounts for use with Sony, Panasonic, JVC and Canon lithium-ion battery packs. The NEB58PRO steps up with professional connections including Hirose 6-pin power/video/audio connector, composite video (BNC) input and self-terminated output, and a 4-pin XLR DC input that accepts 12v to 30v power.

- NEB58** (Mfr# NEB58 • B&H# NENE58)**559.95**
- 5.8" widescreen LCD field monitor.....
- NEB58XL** (Mfr# NEB58XL ; B&H# NENE58XL)
- Same as above with Canon lithium ion battery adapter.....**649.95**
- NEB58JVC** (Mfr# NEB58JVC ; B&H# NENE58JVC)
- Same as above with JVC lithium ion battery adapter.....**649.95**
- NEB58PAN** (Mfr# NEB58PAN ; B&H# NENE58PAN)
- Same as above with Panasonic lithium ion battery adapter.....**649.95**
- NEB58LI** (Mfr# NEB58LI ; B&H# NENE58LI)
- Same as above with Sony lithium ion battery adapter.....**649.95**

- NEB58PRO** (Mfr# NEB58 ; B&H# NENE58)**839.95**
- 5.8" widescreen LCD field monitor with professional connections.....
- NEB58PROXL** (Mfr # NEB58PROXL • B&H # NENE58PROXL)
- Same as above with Canon lithium ion battery adapter.....**934.95**
- NEB58PROJVC** (Mfr # NEB58PROJVC • B&H # NENE58PROJVC)
- Same as above with JVC lithium ion battery adapter.....**929.95**
- NEB58PROLI** (Mfr # NEB58PROLI • B&H # NENE58PROLI)
- Same as above with Sony lithium ion battery adapter.....**949.95**
- NEB58PROPAN** (Mfr # NEB58PROPAN • B&H # NENE58PROPAN)
- Same as above with Panasonic lithium ion battery adapter.....**934.95**

NEB70HD • NEB70HDS

7" HD Analog and HD-SDI Onboard Camera Monitors

Designed for industry professionals, the NEB70HD and NEB70HDS feature excellent picture quality, wide viewing angles, high brightness, daylight coating for outdoor visibility, and 10v to 30v power compatibility. They also offer every major battery mounting option available, 5 display modes, Underscan, Bluescreen, and Video Peaking (which allows for critical focus situations). Top, bottom and side mounts allow for a wider range of mounting options. The multi-position professional connector box allows cables to come straight off the back (for Steadicam use), or to be hidden behind the monitor (for film camera use). They also offer a Vertical & Horizontal Image flip function, making them an excellent choice for use with a 35mm Lens Adapter that inverts the image. Otherwise the same, the NEB70HD features composite, S-Video and component connections, the NEB70HDS has HD/SD-SDI auto detect inputs, and component and composite looping BNC inputs.



- NEB70HD Monitor** (Mfr # NEB70HD • B&H # NENE70HD)**1774.99**
- NEB70HDS Monitor** (Mfr # NEB70HDS • B&H # NENE70HDS)**2244.99**

PROFESSIONAL HD PLASMA DISPLAYS

37-, 42-, 50- and 58" 1080i HD Plasma Monitors



Because flat panel displays are used in a variety of applications, they must meet a range of requirements. They must offer clear, faithful images. And they must provide advanced functions, large screen sizes and a level of resolution suited to the content that will be displayed. Available in four sizes, Panasonic's 1080i HD plasma line-up provide all that and more. They feature a high contrast ratio of 10000:1 and 16-bit processing to reproduce super-crisp motion pictures with 3,072 steps of gradation. With phenomenal image quality, industry's highest gradation and outstanding contrast, they provide pictures with the kind of breathtaking beauty that stirs emotion.

The 37" **TH-37PH10UK** is perfect when space is at a premium. Function slots let you customize the unit for a specific application. This panel is suitable for displaying both text and still images. It can display images from two video sources at the same time, making it ideal for information displays in stores, show windows and other uses. When set up in vertical mode for portrait display, the 42" **TH-42PH10UKA** is similar in size and aspect ratio to a movie-size poster. Or upgrade the system with a scheduling function that displays content according to the correct time zone, and use it as a digital signboard. For business meetings, presentations and other situations calling for powerful visual impact, the 50" **TH-50PH10UKA** and 58" **TH-58PH10UKA** are ideal. An optional touch panel is available for the 42" and 50" to add sophistication and ease. It can also be upgraded to display handwritten notes for even greater persuasive power.

100,000 Hours of Service Life

With Panasonic plasmas, the beauty lasts and lasts — thanks to a service life of about 100,000 hours. That's an amazing 42 years of normal viewing (6.5 hours per day) or 11.5 years of continuous use (24 hours per day). Unlike LCDs, plasma displays do not use a backlight whose brightness fades over time. This means they can provide bright, beautiful pictures over many years of use.

50" and 65" 1080p HD Plasma Monitors

Stepping up with over 2 million pixels (1920 x 1080), the **TH-50PF10UK** (50") and **TH-65PF10UK** (65") 1080p HD pro plasmas offer about twice the resolution as 1080i high-definition models, and produce the entire color range specified in the HDTV standard for ultra-accurate, natural-looking images that remain truly faithful to the original HD source. They feature a high contrast ratio of 10000:1 and 16-bit processing to reproduce super-crisp motion pictures with 4,096 steps of gradation. In Super Cinema mode, the Digital Color Reality feature accurately reproduces the warmth of light and delicate shading in each scene by continuously adjusting the white balance and performing gamma correction as the image changes. Digital Color Reality is 4x more precise in the digital control of color and brightness compared with 1080i HD plasmas. The 1:1 pixel mode maps the 1920 x 1080 content one-to-one to 1080p pixels to display 100% of the original content. The 1080p HD plasmas can display a full range of HD/SD signals including 1080/60p/50p, 1080/60i/50i/24p/24sF/25p/30p, 1080/50i, 720/60p/50p 480/60i/p, and 575/50i/p.



PROFESSIONAL HD PLASMA DISPLAYS

Presentations

They incorporate the TY-FB9FDD DVI-D terminal board to support UXGA and WUXGA signals (simplified display mode). When connected to a PC, they provide a big-screen display of data such as CAD images with outstanding clarity, detail and color accuracy. Able to display highly detailed documents and medical images with exceptional clarity and sharpness, Panasonic 1080p HD models are suitable for use in conferences and presentations with large audiences.

Monitoring

Perfect for control rooms where crystal-clear display of detailed information is essential. In image quality high-resolution plasma models easily outperform projection displays. They can also be installed in places where bulky conventional direct-viewing displays could not.

TV/Video Production

Digital Color Reality reproduces colors across the entire HDTV-standard range, so colors from HD sources are faithful and natural-looking — the way movie makers and colorists meant them to be. The 1080p HD plasmas also provide full digital processing from signal input to display, making them suitable for use as HD studio monitors.

Museum Exhibits

Digital Color Reality technology provides detailed, true-to-life reproduction of colors in all kinds of images, from fine paintings to HD video programs. Panasonic's 1080p HD models render artistic images with stunning beauty.

Digital Signage

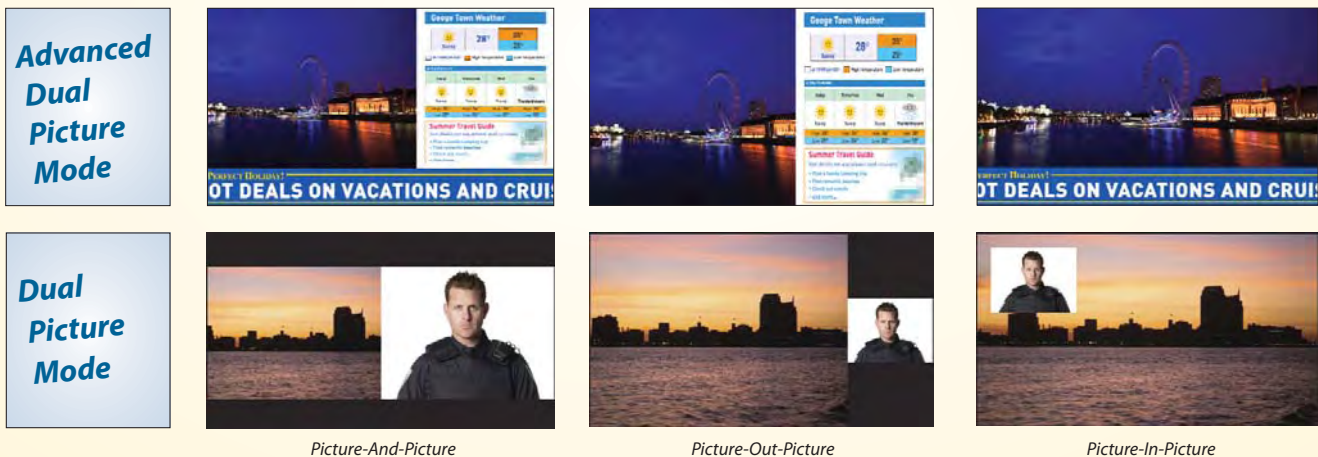
With an industry-leading 4096 gradation steps, Panasonic's plasmas realistically convey the texture and surface quality of objects. The 42" plasma fits well in stores. It can display images from two video sources at the same time, making it ideal for information displays in stores, show windows and other uses. Ideal as public information systems, the 50" HD plasmas offer an ultra-flexible installation: mount them vertically and add a touch panel for one-on one interaction.

Mini-Theaters

Panasonic's plasmas are perfect when space is at a premium. You can select the model with the most suitable screen size for the installation space. Thanks to its high motion-image resolution, the plasma panel is ideal for displaying motion images. Function slots let you customize the unit for specific applications. 1080p HD models provide outstanding motion image resolution, so movies are clear and sharp.

Advanced Dual Picture Modes

In conventional Dual Picture Mode you can simultaneously display images from any two different kinds of AV sources connected. Or, adding one of the optional terminal boards lets you display images from two of the same type of image source, such as two PCs or two DVD players. This function allows you to take full advantage of the plasma display's large screen. When displaying two separate images, you can select the audio output from either source. Playing back the audio from the sub-source can be useful in teleconferencing, for example. The plasma displays also offer an Advanced Dual Picture Mode. This mode lets you overlay a video image onto a full-screen PC image. For example, you can superimpose text information from a PC over a video clip, giving you a more effective way to present information.



PROFESSIONAL HD PLASMA DISPLAYS

All 1080i & 1080p HD Displays

- ◆ Thanks to Panasonic's advanced 16-bit digital image processing, they reproduce crisp, clear motion picture images with the equivalent of 3,072 or 4,096 gradation steps. This industry-leading gradation level not only creates richer, deeper blacks, it also enhances image depth, conveys fine detail, and recreates ambience with the kind of accuracy only 1080p HD plasma can offer.
- ◆ New Real Black Creation technology helps achieve the industry's highest level of contrast at a maximum of 10,000:1 in dark image areas to reproduce exceptionally deep, rich blacks. This system suppresses unwanted graying by reducing the electrical pre-discharge to about 30% of the level of conventional plasma displays.
- ◆ Panasonic's use of improved panel materials and enhanced rib and electrode shapes have boosted the efficiency of the displays. They also have a stable, high-speed discharge to cope with the light intensity in the finely-controlled discharge. These features combine to increase screen brightness by up to 20% compared with previous models.
- ◆ The front protective glass of the display panels incorporate a Deep Black Filter that suppresses light transmittance and slashes the amount of external light reflected. This allows them to achieve very high contrast ratio of 400:1 when viewed in bright surroundings. Reflection is minimal, so images are clean and distraction-free.
- ◆ Original Panasonic technology optimizes the contrast by matching it to the images in each scene. Instead of losing gradation by making part of the image too bright or too dark, this new technology applies just the right amount of contrast correction for each part of the scene. The result brings natural beauty to all parts of the scene.
- ◆ The Sub-Pixel Controller eliminates jagged or blurred diagonal lines and produces smoother edges. Unlike conventional systems in which the three RGB colors are processed together, this advanced system processes each color separately for crisper, more natural-looking images. Theoretically, this results in a 30% improvement in horizontal resolution compared with conventional systems.

- ◆ For vibrant colors and natural skin tones, an advanced 3D Color Management system works in a three-dimensional color matrix (hue, saturation, brightness). By correcting hue and brightness independently and providing finer control, this process delivers more expressive images.
- ◆ With the optional wireless presentation board and Wireless Manager software installed you can set up a wireless network. No need for bothersome wiring. You can also connect up to four PCs to multiple displays for effective, interactive use by groups or for presentations. High-speed wireless transmission provides smooth display of video clips, animation, and other types of large-volume data. Audio tracks are sent simultaneously, enabling dynamic presentations with active images and sounds.
- ◆ They boast an incredible long service life of 100,000 hours. This means they can provide bright, beautiful pictures over many years of use. The display screen is also covered by a glass panel for enhanced protection against impact and scratches. Newly developed phosphor also raises the displays resistance to static-image screen burning to the same level as CRT displays.

1080p HD Displays (Only)

- ◆ They feature almost 2 million pixels (1920 x 1080) — about twice as many as conventional HD models. Images are uniformly clear, sharp and super-detailed across the entire screen surface. Viewing impact is nothing less than spectacular.

The image shows two side-by-side comparisons of a mountain landscape. On the left, labeled 'Conventional', the image is blurry and lacks fine detail. On the right, labeled '1080p HD Plasma Panel', the image is much sharper, showing clear textures and details of the mountain and sky. Red lines and circles highlight the differences in sharpness and detail between the two displays.
- ◆ Automatic Picture Positioning function automatically corrects the horizontal and vertical picture positions, clock phase, and dot clock when an analog RGB signal is input. The adjustment results in optimal standard values for the horizontal and vertical picture sizes
- ◆ To deliver the full beauty of HD images, they need to render moving images in clear detail. The 1080p panels use a self-illuminating system to boost resolution in images with fast motion.
- ◆ The HD-SDI terminal board supports max. 10-bit input signals, for greater color reproduction precision and richer gradation. With outstanding reproducibility across the entire HDTV color range, the 1080p HD panels deliver faithful, natural-looking colors from HD sources. With full-digital signal processing from input to display, they can be used as HD master monitors.
- ◆ In Super Cinema mode, Digital Color Reality boosts precision in the digital control of color and brightness video data by a factor of four. By continuously adjusting the white balance and performing gamma correction as scenes change, this technology accurately expresses the warmth of light, and reproduces delicate shading.
- ◆ The 1:1 Pixel mode maps the 1920 x 1080 video content to 1080p HD panel pixels to display 100% of the original content. By skipping the scaling process, this mode is able to produce high-definition images in their original, 1:1 pixel form. When the 1:1 Pixel mode is switched off, the picture source is scaled for over-scanning and 97% of the original is displayed.
- ◆ By dividing the content from a video source into three vertical segments and displaying one segment on a portrait-position plasma display, a desired section of an image can be displayed dynamically. When three plasma display units are combined in portrait orientation, the entire image can be displayed dynamically on an extra-large screen.

1080i HD Displays (Only)

- ◆ Weekly command timer makes it easy to automate display operation so there's no need to use an external scheduler. Set a variety of operations — power on/off, image source selection, screen saver functions and more — to activate at specific times on specific days of the week.

PROFESSIONAL HD PLASMA DISPLAYS

Enhanced Screen Saver Functions

- ◆ A variety of screen saver functions help minimize the risk of uneven phosphor aging. You can also use the timer to set the screen saver operating cycles, operating time, and start and stop times. This lets you make settings that match your application.
- White Bar Scroll: White bars move across the screen from left to right at regular intervals. Good for ordinary still-image displays.
- Screen Reversal: Displays images with black and white reversed. Good for text displays.
- Side Panel Adjustment: Brightens the black bands on the sides of the screen when displaying images in the 4:3 format.
- Wobbling: Shifts the image's position by several pixels at fixed time intervals.
- Peak Limit Mode: Lowers the peak brightness level (image contrast) by 30%.

Energy-Saving Functions

- ◆ A broad range of environment-friendly functions help minimize energy consumption.
- DPMS (Display Power Management Signaling): Power is automatically turned on or off in response to a sync signal from a PC connected to the built-in PC input terminal.
- Auto Power Off: When you're using a device connected to the multi-function slots, the display panel goes into standby mode after 10 minutes if no sync signal is received.
- Power Save Mode: Reduces the display's brightness.
- Standby Power Save Mode: Reduces power consumption when on standby.

Additional Features

- ◆ The Sound Menu gives you a choice of three sound settings (Standard/Dynamic/Clear) to best match the kind of input source.
- ◆ Panasonic's "silence engineering" eliminates the need for a fan — and fan noise — giving you the kind of quiet operation that makes for a more pleasant viewing experience.
- ◆ 4x Digital Zoom lets you enlarge a portion of an image by up to 4x normal size and display it on the full screen. Use this function to give your presentations greater impact.



Cabinet Design

Panasonic's advanced PDP production technology made it possible to reduce the plasma panel glass thickness from 2.8 mm (0.1") to 1.8 mm (0.07"). This reduces overall weight by up to 15% compared with previous models, making installation easier than ever. Using less glass benefits the environment, too. With the exception of the 37", they can be positioned vertically to display portrait images, allowing them to serve as effective storefront signboards. There's no need to install an optional fan kit.

Remote System Monitoring

In addition to the conventional display control command and power supply/input selection check command, the displays feature a new monitor command that lets you check the signal from a distant location. In conventional systems, you had to install a monitoring camera to check the images displayed on an advertising display panel or digital signage system. The monitor command, on the other hand, lets you monitor images by simply connecting a PC via a serial cable.

Multi-Screen Applications

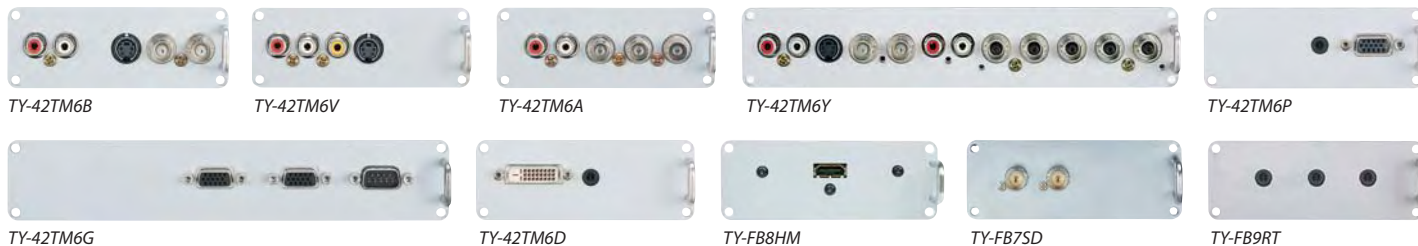
Built-in image-enlarging function makes it easier to set up multi-screen systems with as many as 16 displays (4x4 configuration). A new function lets you enlarge the image up to 4x vertically and horizontally independently, making it easy to set up a multi-screen system with up to four displays arranged either vertically or horizontally. For example, expand the image horizontally to 4x and leave it unchanged vertically, and you can create a system with four units side-by-side.

Thanks to the ID control function, you can use the standard remote control unit to control up to 100 panels individually. PH series models feature a Power-On Delay function that's useful in multi-screen systems. This function automatically shifts the power-on time slightly for each display unit in the system, so there's less load on the power supply. There is also a mode that displays a full-screen image, including the edges (the width of the frame) of the display panel. This is especially suitable for displaying text information, since no words are hidden by the frame.



PROFESSIONAL HD PLASMA DISPLAYS

Multi-Function Slots: In addition to their fixed inputs, Panasonic's plasmas offer three interchangeable (two on the 37") function slots allowing you to add different combinations of optional terminal boards. This allow them to display solutions to an even wider range of customer needs. Add digital or analog capabilities as necessary, to create a customized system that exactly meets your needs.



BNC Composite Video Terminal Board

For connection with analog equipment, the TY-42TM6B lets you connect a VCR, DVD player or video camera. This board also has a video output terminal too, so you can also connect a sub-monitor device for image monitoring. (Mfr # TY-42TM6B • B&H # PATY42TM6B)**139.95**

RCA Composite Video Terminal Board

Same as above except with RCA terminals instead of BNCs, and no output terminal. (Mfr # TY-42TM6V • B&H # PATY42TM6V)**139.95**

BNC Component Video Terminal Board

The TY-42TM6A analog component video board lets you connect a VCR, DVD player or video camera via 3 BNC component video inputs along with 2 RCA stereo audio inputs. (Mfr # TY-42TM6A • B&H # PATY42TM6A) ...**104.95**

RCA Component Video Terminal Board

Same as above except with RCA connectors for component video inputs instead of BNCs. (Mfr # TY-42TM6Z • B&H # PATY42TM6Z)**99.95**

Composite/Component Video Terminal Board

An optional component/composite video card with BNC connectors for RGB and component video input, a stereo pair of RCA connectors for audio input, an S-Video connector for input with another stereo pair of RCA audio inputs and a pair of BNC connectors for composite video input and output. (Mfr # TY-42TM6Y • B&H # PATY42TM6Y)**239.95**

PC Input Terminal Board

Allows connection of multiple PCs and is well suited for conference rooms, classrooms, lecture halls and other venues where PCs are often used. (Mfr # TY-42TM6P • B&H # PATY42TM6P)**104.95**

RGB Active Through Terminal Board

For multi-screen system configuration. The TY-42TM6G sends the signal that's input via the PC IN terminal to a second display connected to the PC OUT terminal. (Mfr # TY-42TM6G; B&H # PATY42TM6G)**154.95**

DVI-D Terminal Board

The TY-42TM6D expansion board allows you to connect a PC or other compatible digital equipment that outputs digital RGB signals (DVI-D compliant). It supports HDCP. (Mfr # TY-42TM6D • B&H # PATY42TM6D)**139.95**

HDMI Terminal Board

Enables fully digital connection of signals from HDMI-compatible DVD players and other digital equipment for high-quality blur-free images with no color bleeding. (Mfr # TY-FB8HM • B&H # PATYFB8HM)**139.95**

SDI Terminal Board

Compatible with SDI systems used in broadcast and video production. With this board, the display can reproduce crisp, clean images in a studio or control room. (Mfr # TY-FB7SD • B&H # PATYFB7SD)**479.95**

HD-SDI Terminal Board

Compatible with HD-SDI systems used in HDTV broadcasting. With this board, the display can reproduce crisp, clean HDTV images in a studio or control room environment. (Mfr # TY-FB9HD • B&H # PATYFB9HD)**1199.95**

Wireless Presentation Board

Wireless connection (IEEE 802.11b/11g) eliminates the need for cables between the display and a PC. Images from one PC can be displayed in real-time on as many as 8 displays. Images from up to 16 PCs can be simultaneously displayed onto a single screen. Also accepts component video and audio inputs. (Mfr # TY-FB10WPU • B&H # PATYFB10WPU)**319.95**

BNC Dual Video Terminal Board

A dual video terminal board with BNC and S-Video inputs. (Mfr # TY-FB9BD • B&H # PATYFB9BD)**159.95**

IR Loop Through Terminal Board

An infrared (IR) loop-through card. It can be used to control only Panasonic AV equipments. (Mfr # TY-FB9RT • B&H # PATYFB9RT)**149.95**

AV Terminal Box

Ideal for hotel guest rooms, this box has two input terminals (VIDEO/RGB) that allow guests to easily connect and use their own notebook PC, portable DVD player, or other device. It can also be built into a desk or a bed sideboard. (Mfr # TY-TB10AV • B&H # PATYTB10AV)**109.95**



PROFESSIONAL HD PLASMA DISPLAYS

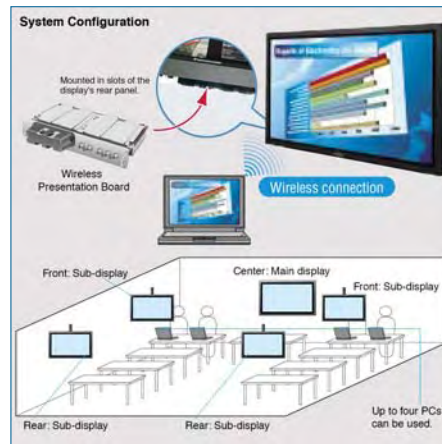
Multi-Presentation System: Using the Wireless Presentation Board

Mounting the Wireless Presentation Board to a conference display unit allows wireless connection of up to eight displays and four PCs. This is enough to show images in every area of a conference hall. It also eliminates the bothersome task of removing and reconnecting cables when using multiple PCs. A variety of display methods can be used, opening up new possibilities for conferences as well as lectures or seminars in schools and other learning or training situations.

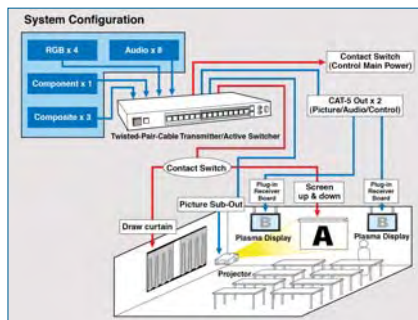
No More Complicated Wiring: Install Wireless Manager ME 4.0 and make the network settings to set up your wireless network. There is no need for bothersome wiring. You can also connect up to four PCs to multiple displays for effective, interactive use by groups or for presentations.

High-Speed Wireless Transmission: High-speed wireless transmission provides smooth display of video clips, animation, and other types of large-volume data. Audio tracks are sent simultaneously, enabling dynamic presentations with active images and sounds.

Versatile Display Methods for Impressive Presentations: The Secondary Display Transmission (wireless prompter) function lets you show presentation content on the display and a copy of your speaking notes on a PC. You can use the Area-Specific Transmission function to display any part of the PC window that you want, or to enlarge and display certain parts for emphasis.



Display Systems for Large Lecture Halls: Using Receiver & Transmitter/Active Switcher



Via CAT5e cable, send the display control signal and video/audio signals from a Twisted-Pair-Cable Transmitter/Active Switcher with 8 input and 2 output terminals, and you can display high-resolution video content at a distant location. This kind of system can be used in large lecture halls, public spaces and medium-size stores.

Long-Distance Transmission of High-Quality Video Signals: High-resolution XGA images, sound and RS232C control signal are transmitted approximately 500' over a single cable. Plasma control signals can also be sent over the same cable to allow remote operation of power ON/OFF and other functions.

Higher Signal Quality, Lower Costs, and Easier Installation: Thin, lightweight CAT5e twisted-pair cables do a better job of preventing signal degradation than coaxial cables. They also reduce costs and shorten the time needed for installation.

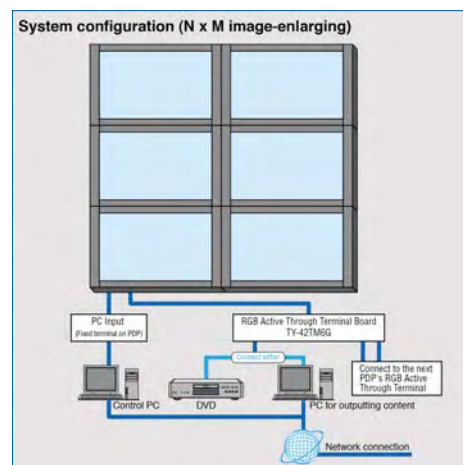
Simple Multi-Screen System: Using the RGB Active Through Terminal Board

You can easily configure a multi-screen system by using the RGB Active Through Terminal Board with the display's advanced image-enlarging function. This lets you disseminate information in a timely manner by updating the content over a network. You can also connect to a Blu Ray player for 1080p playback. This system is ideal for places where many people gather, such as business complexes and event venues.

Image Displays with Eye-Catching Impact: The advanced image-enlarging function, with its variable horizontal and vertical display capability, creates displays that are effective on stages, near entranceways, and virtually anywhere.

Simple System Configuration: Multi-screen systems generally require matrix switchers, image enlargers and other equipment, together with complicated wiring. With the RGB Active Through Terminal, you simply connect each display with a cable to build a large-screen multi-display system. Combined with the light weight of the displays, this makes it super easy to configure a highly effective system.

Remote Control Over a Network: Because the content can be updated by using an existing network, the information being displayed can be quickly and easily updated. Monitoring commands also let you check the display status from a remote location.



PROFESSIONAL HD PLASMA ACCESSORIES

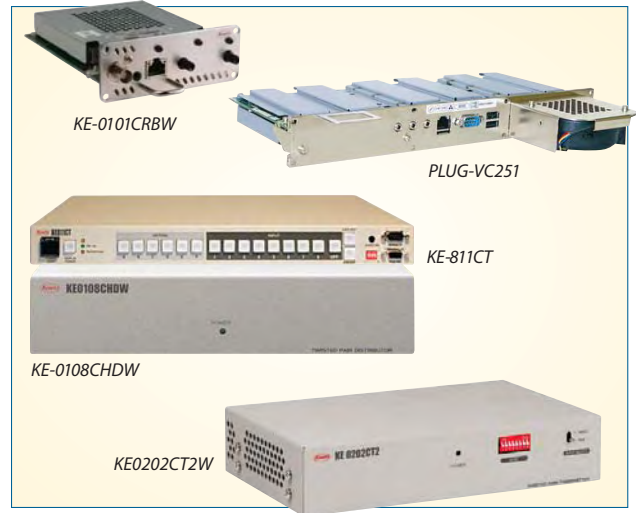
Peripherals

CAT 5E Twisted Pair Plug-In Receiver Module (Mfr # KE-0101CRBW • B&H# PAC5ETPCR)
 Allows HD plasma displays to receive video, audio and serial plasma commands through a CAT5e Ethernet cable. XGA signals (1024 x 768 pixels) can be sent up to 492 feet.....**649.95**

CAT5 Integrated Audio/Video Control Switcher (Mfr # KE-811CT • B&H# PAKE811CT)
 A matrix switcher capable of inputting 8 discreet video signals, outputting them through two CAT5 Ethernet ports. The unit can be controlled by using RS-232C-based remote devices**2539.95**

PDP Controller (Mfr # PLUG-VC251 • B&H# PPLUGVC251)
 Provides full PC functionality embedded directly into the plasma panel. Based on a 1GHz Celeron processor with a 40GB HDD, it fits three multifunction slots. It is installed with both Microsoft Windows and SCALA InfoChannel Player 3. Input options include USB 2.0 and ethernet. Two PCMCIA slots allow you to connect an optional wireless keyboard and mouse.....**1679.95**

CAT 5E Twisted-Pair Cable Transmitter (Mfr # KE0202CT2W • B&H# PAKE0202CT2W)
 This unique transmitter takes standard video, audio and control signals and transmits them through one CAT 5E cable. The signal can be outputted to any TH-Series display with a KE-0101CRBW receiver module. This method of delivery is far less cumbersome since it only requires one wire.....**799.50**



CAT 5E Distributor (Mfr # KE-0108CHDW • B&H# PAC5ETPCD)
 A twisted pair cable distributor that takes one CAT 5E signal from the KE0202CT2W twisted pair transmitter and distributes it into 8 separate signals. These signals can then be outputted to the KE0101CRBW receiver module inside the monitor.....**1579.95**

	TH-37PH10UK	TH-42PH10UK	TH-50PH10UK	TH-58PH10UK	TH-50PF9UK	TH-65PF9UK
Screen Size (Diagonal)	36.9"	41.6"	50"	58"	50"	64.8"
Aspect Ratio	16:9	16:9	16:9	16:9	16:9	16:9
Effective Display Area	32.2" x 18.0" (WH)	36.3" x 20.4" (WH)	43.5" x 24.5" (WH)	50.7" x 28.5" (WH)	43.5" x 24.5"	56.5" x 31.8"
Resolution (HV)	1,024 x 720 pixels	1,024 x 768 pixels	1,366 x 768 pixels	1,366 x 768 pixels	1,920 x 1,080 pixels	1,920 x 1,080 pixels
Pixel Pitch (HV)	0.800 x 0.635mm	0.900 x 0.675mm	0.810 x 0.810mm	0.942 x 0.942mm	0.747 x 0.747 mm	0.576 x 0.576 mm
Contrast Ratio	Max. 10,000:1	Max. 10,000:1	Max. 10,000:1	Max. 10,000:1	Max. 5,000:1	Max. 5,000:1
Gradation	3,072 steps (equivalent)	3,072 steps (equivalent)	3,072 steps (equivalent)	3,072 steps (equivalent)	4,096 steps (equivalent)	4,096 steps (equivalent)
PC Input	15-Pin D-Sub	15-Pin D-Sub	15-Pin D-Sub	15-Pin D-Sub	15-Pin D-Sub	15-Pin D-Sub
Audio	1/8" Jack	1/8" Jack	1/8" Jack	1/8" Jack		
External Control	RS-232	RS-232	RS-232	RS-232	RS-232	RS-232

Interchangeable Terminals						
Slot 1	Composite BNC (x1), S-Video (x1), Audio In L/R RCA (x2)	Vacant	Vacant	Vacant	Vacant	Vacant
Slot 2	Component In BNC, Audio In L/R RCA (x1)	Composite BNC (x1), Audio In L/R RCA (x2), S-Video (x1)			DVI-D (x1) 1/8" stereo Jack	
Slot 3	—	Component In BNC, Audio In L/R RCA (x2)				
General						
Dimensions (WHD)	36.2" x 21.7" x 3.5"	40.2" x 24.0" x 3.5"	47.6" x 28.5" x 3.7"	55.1" x 33.2" x 3.9"	47.6" x 28.5" x 3.7"	61.2" x 36.4" x 3.9"
Weight	48.5 lbs.	57.3 lbs.	79.4 lbs.	119 lbs.	93.0 lbs.	163.1 lbs.
B&H Product No.	PATH37PH10UK	PATH42PH10UK	PATH50PH10UK	PATH58PH10UK	PATH50PF9UK	PATH65PF9UK
Price	779.00	949.00	1299.00	1964.95	CALL	5699.00

PROFESSIONAL HD PLASMA ACCESSORIES

Anti-Glare Filter

- TY-AR65P9W** (PATYAR65P9W)**843.95**
- TY-AR58P10W** (PATYAR58P10W).....**718.95**
- TY-AR50P9W** (PATYAR50P9W)**539.95**
- TY-AR42P9W** (PATYAR42P9W)**399.95**

Stands

Mobile Stand (TY-ST58PF10)**CALL**

Pedestals

- TY-ST07-K** (PATYST07K)**CALL**
- TY-ST08-K** (PATYST08K)**159.95**
- TY-ST58-K** (PATYST58K)**249.95**
- TY-ST65-K** (PATYST65K)**849.95**



Brackets

- Flat wall mount with mounting holes for 37" to 50" monitors. (Mfr # TY-WK42PV7 • B&H # PATYWK42PV7)**349.95**
- Flat wall mount for 65" monitors. (Mfr # TY-WK65PV7 • B&H # PATYWK65PV7)**374.95**
- Angled wall hanging brackets for the 37" to 50" monitors. (Mfr # TY-WK42PR7 • B&H # PATYWK42PR7)**429.95**
- Angled wall hanging bracket for 65" monitors. (Mfr # TY-WK65PR8 • B&H # PATYWK65PR8)**599.95**
- Drawer-Type Wall-Hanging Mount for 42" and 50" (Mfr # TY-WK42DR1 • B&H # PATYWK42DR1)**739.95**
- Ceiling hanging bracket for 37"-50". (Mfr # TY-CE42PS7 • B&H # PATYCE42PS1)**719.95**

COMPATIBLE MOUNTING MODELS AT A GLANCE

	TY-ST65-K	TY-ST58-K	TY-ST07-K	TY-ST08-K	TY-WK65PV7	TY-WK42PV7	TY-WK37PV3	TY-WK65PR8	TY-WK42PR7	TY-WK42DR1	TY-ST58PF10	TY-CE42PS7
TH-65PF10	✓	—	—	—	✓	—	—	✓	—	—	—	—
TH-58PH10	—	✓	—	—	—	✓	—	—	✓	—	✓	—
TH-50PF10/50PH10	—	—	✓	✓	—	✓	—	—	✓	✓	✓	✓
TH-42PH10	—	—	✓	✓	—	✓	—	—	✓	✓	✓	✓
TH-37PH10	—	—	✓	✓	—	✓	✓	—	✓	—	✓	✓



An add-on touch-panel lets you write directly onto the screen with a light touch. It is ideal for adding written comments during a presentation or meeting.

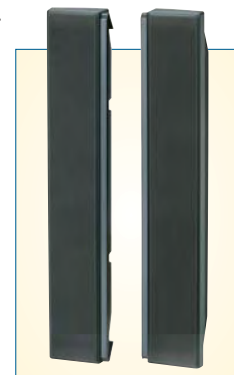
- ◆ Highly reliable optical sensor system
- ◆ Outstanding resolution, easy operation
- ◆ Thin design — a precise fit with the screen
- ◆ Lets you use display as a "whiteboard"

- For 65" display (PATYTP65P8S)**3999.95**
- For 50" display (PATYTP50P8S)**2879.95**
- For 42" displays (PATYTP42P8S)**2639.00**
- Touch Pen** for Touch Panel (PATYTPEN6)..**224.95**

Detachable Stereo Speakers

Designed for Panasonic plasma monitors, these 2-way, 3-speakers mount on the sides of the monitor and will be powered by the monitor's built-in audio amplifier.

- Speakers for 65" Plasma Display** (PATYSP65P10W)
Measures 4.4 x 36.4 x 3.5" (WHD). Each speaker weighs 4.9 lbs**749.00**
- Speakers for 58" Plasma Display** (PATYSP58P10W)
Measures 4.2 x 33.2 x 3.5" (WHD). Each speaker weighs 5.5 lbs**489.95**
- Speakers for 50" Plasma Display** (PATYSP50P8WK)
Measures 4.2 x 28.5 x 3.5" (WHD). Each speaker weighs 4.4 lbs**299.95**
- Speakers for 42" Plasma Display** (PATYSP42P8WK)
Measures 4.2 x 24 x 3.5" (WHD). Each speaker weighs 4.4 lbs.....**259.95**
- Speakers for 37" Plasma Display** (PATYSP37P8WK)
Measures 4.2 x 21.7 x 3.5" (WHD). Each speaker weighs 4.4 lbs.....**249.95**



PDP Controller for 42-, 50- and 65" Models

This digital signage input card that fits three multifunction slots, and is installed with both Microsoft Windows and SCALA InfoChannel Player 3. The card makes it simple to load and play digital signage with the ease of an all-in-one turnkey solution. The space-saving design eliminates the need for extra equipment or external controllers. (Mfr # PLUG-VC251 • B&H # PAPLUGVC251)**1679.95**

BT-LH80W

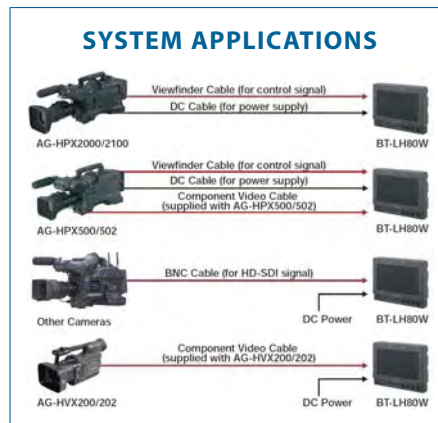
Multi-Format 7.9" Widescreen LCD Monitor/Viewfinder

The BT-LH80W is a production-quality high-definition/standard-definition LCD monitor for studio and field applications. Bringing exceptional price/performance functionality to this size class of LCD monitoring, the lightweight, low-power BT-LH80W produces exceptional color reproduction and gradation and is designed to work in environments ranging from the edit room to the production truck, from newsgathering to field production. The display boasts features usually not found on LCDs of this size, including pixel-to-pixel and focus-in-red functions. In addition to supporting a full range of HD and SD production equipment, the monitor can also be interfaced with a variety of Panasonic series cameras through a direct 15-pin viewfinder connection.



FEATURES

- ◆ Industry-lowest circuit delay time of 5 msec is realized by an I/P (image processing) circuit that converts SD and HD interlace signals with high precision and generates a progressive signal without causing field-length delay. Minimizing the delay between the input signal and monitor output enables the user to confirm footage without any incongruity.
- ◆ Diagonal Line compensation reduces the occurrence of jagged noise in the diagonal direction for improved response, and smooth, precision reproduction of moving images.
- ◆ Compatible with most HD and SD formats, the BT-LH80W is ideal for a wide range of applications in locations around the world.
- ◆ The input signal is displayed as a waveform (graphically displays luminance levels from -5 to 108 IRE) for monitoring in the lower right portion of the screen.
- ◆ Simple Cross Hatch overlay function (at 50 dots interval, fixed) allows users to check camera tilt and composition. You can allocate the cross hatch function to any of the three "Function" keys.



- ◆ Equipped with a 15-pin viewfinder terminal, the BT-LH80W can be used as an electronic viewfinder for Panasonic HD cameras, including the shoulder mount AJ-HDC27H VariCam, AJ-HDX900, AJ-HPX2000 and AG-HPX500. You can also run the BT-LH80W on DC power supplied by these camcorders. Connection is easy, requiring only a viewfinder cable and DC power cable.
- ◆ Allows SDI input with optional BT-YA80G, & equipped with component (Y/PB/PR) input.
- ◆ Built with a die-cast aluminum frame, the monitor is field proven and tough enough to travel.
- ◆ Making full use of the LCD panel's thinness and light weight, the BT-LH80W is only 2 $\frac{5}{8}$ " deep and weighs just 3.3 lbs.

- ◆ DC operation (Anton Bauer/DC IN) makes it ideal for use outdoors. Power consumption is very low, despite its HD/SD compatibility.
- ◆ Two focus assist functions — Focus-in-Red and Pixel-to-Pixel Matching — address the growing need for critical camera focusing in HD acquisition.
 - Focus-in-Red emphasizes the sharply focused area of the image by showing it in an easily visible red, making it easier to focus the camera.
 - Pixel-to-Pixel allows the you to see an input signal pixel by pixel without any resizing, effectively confirming an image in a size equivalent to a 19" widescreen display (with a 1080/60i input signal).

BT-LH80W 7.9" Widescreen LCD Monitor
(Mfr # BT-LH80W • B&H # PABTLH80W)**Call**

HD-SDI Input Module
(Mfr # BT-YA80G • B&H # PABTYA80G)**624.95**

Cable Kit (Mfr # BT-CS80G • B&H # PABTCS80G)
Two cable set: 20-pin to 15-pin, and 4-pin HRS to 4-pin XLR dedicated cables**334.95**

Rack Mount (Mfr # RAK-80 • B&H # PARAK80)
For two BT-LH80W monitors**154.95**

Snap-On Hood (Mfr # HOOD80 • B&H # PAHOOD80)
Sun shield hood eliminates glare**86.95**

Monitor Mount (Mfr # BT-MOUNT • B&H # PABTMOUNT)
Mounts to 1/4"-20 on camera handle**129.95**

BT-LH900A

8.4" Multi-Format Color Production Monitor

The BT-LH900A greatly simplifies HD and SD monitoring on location or on a sound stage. With its slim 2.5" profile and light 4.4 lbs. weight, the HD/SD compatible BT-LH900A takes full advantage of the LCD panel's space-saving design. It is energy efficient, consuming less power than a conventional CRT HD monitor, and its DC operation makes it ideal for outdoors applications. The BT-LH900A is equipped with two SDI inputs automatically detecting HD or SD, one component input (Y/Pb/Pr or RGBS), and one composite input. The Video/CineGamma Conversion Table and built-in waveform monitor function support HD production when using Panasonic's VariCam HD Cinema Camera. It easily mounts atop the VariCam and other cameras as well.

Also convenient is the separate control panel that can be mounted on the top, side, or bottom of the monitor.

Designed for side-by-side rack mounting (optional) and equipped with both DC input and Anton Bauer Gold Mount, the BT-LH900A brings the same high level of performance and convenience to OB vans and studio/control rooms. For monitor rack applications, up to 99 units can be controlled from an external PC via RS-232C and GPI controls.



FEATURES



- ◆ A wide 170° horizontal and vertical viewing angle is achieved by using a high intensity, high contrast LCD panel. Ease of viewing is secured by reducing changes in color due to the viewing angle.
- ◆ 1024 x 768 (XGA) resolution ensures high color reproduction and tonal range
- ◆ Compatible with most HD and SD formats, the BT-LH900A is ideal for a wide range of applications in locations around the world.
- ◆ Built with a die-cast aluminum frame, the monitor is field proven and tough enough to travel.
- ◆ Making full use of the LCD panel's thinness and light weight, the BT-LH900A is only 2 5/8" deep and weighs just 4.4 lbs.
- ◆ DC operation (Anton Bauer/DC IN) makes the BT-LH900A ideal for use outdoors. Power consumption is very low, despite its HD/SD compatibility.

- ◆ The input signal is displayed as a waveform (graphically displays luminance levels from -5 to 108 IRE) for monitoring in the lower right portion of the screen. When waveforms are displayed in the 16:9 mode, the image displayed moves to the upper part of the screen so that it will not be superimposed onto the waveform display.
- ◆ The control panel can be separated from the monitor, making the BT-LH900A suitable for a wide range of applications, including use as a monitor or viewfinder.

- ◆ In addition to its two SDI inputs (automatic HD/SD switching) and one SDI output, the monitor offers one component input (Y/Pb/Pr or RGB switching) and one composite input.
- ◆ Equipped with cine-gamma (F-REC) compensation function makes it compatible with the VariCam AJ-HDC27H camcorder.
- ◆ With the optional BT-MA900G, two monitors can be rackmounted side-by-side with vertical tilt mechanism.



The BT-LH900A shown mounted to the AJ-HDC27H

BT-LH900A 8.4" LCD Monitor (Mfr # BT-LH900A - B&H # PABTLH900A) **Call**

Short Hood with Rain Cover (Mfr # HOOD900S - B&H # PAHOOD900S): Designed specifically for the BT-LH900A, eliminating glare..... **89.95**

Long Hood with Rain Cover (Mfr # HOOD900L - B&H # PAHOOD900L): Designed specifically for the BT-LH900A, eliminating glare..... **104.95**

Dual Monitor Rackmount Kit (Mfr # BTMA900 - B&H # PABTMA900): Dedicated rack mounting system for the BT-LH900A, this system accommodates two monitors side by side **549.95**

On-Board Monitor Arm (Mfr # AB-327-1 - B&H # PAAB3271): Mounts a BT-LH900 to a broadcast-style camera like the AJ-SDX900..... **294.95**

BT-LH1700W • BT-LH2600W

17" and 26" Production-Quality LCD Monitors

Broadcast-quality 16:9 HD/SD LCD monitors for studio and field applications, the space-saving, widescreen BT-LH1700W (rack mountable) and BT-LH2600W (wall mountable) produce brilliant, highly color saturated images, and exceptional color reproduction and gradation. They both feature two auto switching SDI/HD-SDI inputs; high-speed response with no blurring; the industry's lowest delay realized by an image processing circuit that converts interlaced into progressive signals with no visible delays; a waveform monitor that graphically displays luminance levels from 0 to 108 IRE in any of the monitors' four corners; and a Split Screen/Freeze Frame function for scene comparison and critical color matching (live input vs. freeze frame). The BT-LH2600W steps up with increased resolution, pixel mapping of any of five areas of the screen for superior camera focusing, audio level meters super-imposed and translucent (up to 8 channels). The 26" diagonal screen also yields four 13" pictures when used with a quad splitter.



FEATURES

- ◆ Compatible with multiple HD/SD formats including 1080/24PsF, 1080i, 720p, 480p and 480i. Ideal for a wide range of applications in locations around the world.
- ◆ The BT-LH1700W and BT-LH2600W use color space conversion technology to produce the same SMPTE C-based colors as a CRT.
- ◆ With selectable Color Temperature (9300K, 6500K, 5600K) the monitors make it easy to match the user's standard. 3000K to 9300K can be selected with the variable setting.
- ◆ In order to make them suitable for professional broadcasting applications, compensation is conducted for each monitor in 256 discrete RGB steps.
- ◆ The biggest concern when receiving a video feed is response time in the intermediate gradations. Installing an overdrive circuit improves the response in intermediate gradations to around 8 ms (BT-LH2600W) and 10 ms (BT-LH1700W) gray-to-gray) enabling the vivid display of video without blurring.
- ◆ Industry's lowest circuit delay time of 5 msec is realized by an I/P circuit that converts SD and HD interlace signals with high precision and generates a progressive signal without causing field-length delay. Minimizing the delay between the input signal and monitor output enables users to confirm footage without any incongruity.
- ◆ Equipped with adjustable gamma, as well as cine-gamma (F-REC) compensation function, making them compatible with Panasonic's VariCam AJ-HDC27H camcorder.
- ◆ A frame of video can easily be frozen and displayed as a still image on the left side of the screen. This function can be utilized to match a live camera with a frame of video shot at an earlier time or with a different camera. There are two display modes:
 - FULL for displaying and comparing the entire image on the screen
 - PART for displaying and comparing only the center part of the images.
- ◆ Built with a die-cast aluminum frame, the monitors are field proven and tough enough to travel.
- ◆ Various markers can be displayed in both of 16:9 and 4:3 aspect ratio.
 - Aspect Marker (16:9): 4:3, 13:9, 14:9, CNSCO or VISTA, with background brightness control of 0%, 50% or 100%.
 - Safe Area Marker (16:9/4:3): 95%, 93%, 90%, 88% or 80%
 - Center Marker (16:9/4:3): ON/OFF
 - With the BT-LH2600W, safe area marker can be displayed over 4:3 aspect marker.
- ◆ They achieve a wide 176° horizontal and vertical viewing angle by using a high intensity, high contrast LCD panel.
- ◆ The BT-LH2600W and the BT-LH1700W are equipped with two SDI inputs and one SDI output, and offer component input (Y/PB/PR, RGB switching), S-Video and composite. RGB is compatible with PC input.
- ◆ Other features include GPI and RS-232 ports, built-in amplified stereo speakers, Blue only mode, H/V delay and mono mode, two-color tally lamp. The BT-LH2600W comes complete with a desk stand, and an optional wall mount (TY-WK32LR1S) is available.

With the event of laptop NLEs and more and more post-production going on the road, professional, mobile, lightweight, cost-effective and high quality monitoring has become a more important part of the equation. The BT-LH1700W is as much at home in the field, set into a flight case or in the back of a production van as it is in a fully equipped edit studio. Combining low weight, a small, space-saving footprint, and affordability, the BT-LH2600W will serve as the essential main monitor in production environments such as studios, edit rooms, newsrooms, NLE suites, and master control.

BT-LH1700W • BT-LH2600W

Accessories for BT-LH1700W

Embedded Audio Module (Mfr # BT-YAE1700G; B&H # PABTYAE1700G): Enables embedded audio function, allowing audio level display directly on the monitor**299.95**

Acrylic Protection Panel (Mfr # BT-YU17PLX • B&H # PABTYU17PLX): A crystal-clear, durable cover over the monitor, that protects it from dust, scratches and fingerprints. Includes mounting brackets and hardware**49.95**

Premium Rack-Mount Ears (Mfr # BT-MA1710G; B&H # PABTMA1710G): With handles. Allows you to mount the BT-LH1700W in a rack**219.95**

Basic Rack-Mount Ears (Mfr # RAK-1700; B&H # PARAK1700): With handles.....**114.95**

180° Swing Arm Rack Mount (Mfr # BT-YUSARM; B&H # PABTYUSARM): Allows you to mount the BT-LH1700W within a rack. You can move and adjust your monitor in your rack or enclosure, increasing your productivity**244.95**

Snap-On Sunshade (Mfr # HOOD1700; B&H # PAHOOD1700): A collapsible sunshade hood provides shading to the screen when using the monitor in brightly lit conditions**124.95**

Hard Shell Travel Case (Mfr # BT-YUC1700 • B&H # PABTYUC1700): A Thermodyne hard shell case for the BT-LH1700, that meets or exceeds ATA 300 specifications for transit cases. It has heavy duty latches and handles**239.95**



Accessories for BT-LH2600W

Wheeled Hard Shell Travel Case (Mfr # BT-YUC2600 • B&H # PABTYUC2600): Thermodyne case with wheels, handle and heavy duty latches, which meets or exceeds ATA 300 specifications for transit cases.....**549.95**

Snap-On Hood (Mfr # HOOD2600 • B&H # PAHOOD2600): Designed for outdoor use during bright lighting conditions, reducing glare. With rain cover**144.95**

	BT-LH1700W	BT-LH2600W
Resolution	1,280 x 768 pixels (WXGA)	1,366 x 768 pixels (WXGA)
Aspect Ratio	15:9	16:9
Display Colors	Approximately 16,700,000 colors	Approximately 16,700,000 colors
Viewing Angle	176° (both horizontal and vertical)	176° (both horizontal and vertical)
Power Requirement	AC100v - 240v 50/60Hz, DC12v (11v - 17v)	AC100v - 240v 50/60Hz
Power Consumption	1.1A to 0.6A ; 4.5A with DC 12v	1.5A to 0.6A
Video Input	Video: BNC x 2, (with through-out connector); Y/C: 4-pin x 2, (with through-out connector) Y/PB/PR/RGB: BNC x 8 (with through-out connector x 4); SDI: BNC x 3 (switched-out connector x 1)	
Audio Input	Pinjack x 2 (stereo)	Pinjack x 2 (stereo)
External DC Power Input	GPI: D-SUB, 9-pin RS-232C: D-SUB, 9-pin	GPI: D-SUB, 9-pin RS-232C: D-SUB, 9-pin
Remote	XLR, 4-pin	—
Video Signal Level	EXT SYNC signal level: 0.3Vp-p to 4.0Vp-p HD/VD signal level: TTL level	
Audio Signal Level	Audio input signal level: 0.5Vrms. Speaker output: 0.5W + 0.5W	
Dimensions w/Stand (WHD)	16 15/16" x 12 3/4" x 7 13/16"	26 5/8" x 17 31/32" x 10 5/8"
Dimension w/o Stand (WHD)	16 15/16" x 12 3/16" x 3 1/4"	26 5/8" x 17 1/2" x 4 1/2"
Weight (with & w/o stand)	17.8 lbs. / 15.8 lbs.	38.5 lbs / 33.0 lbs.
Mfr. # / B&H #	BT-LH1700W / PABTLH1700W	BT-LH2600W / PABTLH2600W



Wheeled Hard Shell Travel Case (Mfr # BT-YUC1700WH • B&H # PABTYUC1700WH): A Thermodyne hard shell case for the BT-LH1700 with wheels and handle.....**329.95**

Adjustable Desk Stand (Mfr # BT-STAND • B&H # PABTSTAND)**CALL**

Anton Bauer Battery Mount (Mfr # QR-1700 • B&H # PAQR1700): Gold Mount adapter plate with a 6' cable and an XLR power interface. Perfect for times when AC power is unavailable.....**141.95**

BT-LH1760 17" 120Hz LCD Production Monitor

A revolutionary enhancement in LCD monitor performance – the 120Hz BT-LH1760 offers wide off-axis viewing and color reproduction, and provides the motion handling and latency advantages of CRT monitors. It features a 120Hz refresh rate, double that of standard 60Hz LCD monitors. This enables the monitor to handle fast motion content exceptionally well, minimizing image blur to a level never before seen in a professional LCD display. In addition, it is equipped with a built-in waveform monitor and vectorscope. For critical HD focusing and comparison, it comes with Pixel-to-Pixel matching, which allows the user to see an input signal pixel by pixel without any resizing, and Split Screen/Freeze Frame (live input vs. freeze frame).



Features DVI-D input, two auto-switching HD-SDI/SDI inputs, component video, RGB, PC RGB, external sync, speaker and headphone outputs. Additional features include embedded audio, time code, closed caption, and an eight-channel audio level meter (via SDI). Rack-mountable, the BT-LH1760 is thin, lightweight and durable, with a die-cast aluminum. It features low energy consumption and, because there is no need for a fan, is very quiet.

LMD-4420 • LMD-5320 • LMD-7220W

Multi-Display Type LUMA Monitors

The multi-display type LUMA monitors integrate high-quality LCD panels into an extremely thin and lightweight, 19" rack-mountable chassis. They can be AC or DC powered. These monitors are particularly handy for viewing multiple SD signal sources in space-confined environments – such as OB vehicles, machine rooms, and desktops – or any general application where multiple pictures must be viewed.

The 2RU high **LMD-4420** is a compact and lightweight quad screen 4" panel monitor and is less than 2" deep. The 3RU high **LMD-5320** is a compact and lightweight triple screen 5.6" panel monitor. The 3RU high **LMD-7220W** is a compact and lightweight dual 7" wide screen monitor and is less than 2" deep. Ideal for monitoring in OB vehicles and studios, they incorporate a high-brightness LCD panel which offers excellent picture quality even under high ambient light conditions. They accept NTSC and PAL composite signals with automatic switching. An optional SDI input adapter (BKM320D) is also available.



FEATURES

- ◆ Each LCD panel is equipped with a composite input as standard, while SDI input can be added simply by installing the optional BKM-320D SD-SDI input adapter (one BKM-320D is required per screen.)
- ◆ Thin and lightweight design makes them ideal for installations where space is limited.
- ◆ Although small in size, these multi-display type monitors incorporate high-grade LCD panels with high brightness and high contrast. The LCD panels also offer a wide viewing angle, both vertically and horizontally.
- ◆ The LMD-4420 and LMD-5320 are 4:3 aspect ratio, while the LMD-7220W can be switched between 16:9 and 4:3 by pressing a button on the front panel.
- ◆ They each come equipped with a tally lamp that can be lit up via a parallel remote connector. The status of the signal displayed on the monitor can be identified by the tally color – red, green, or amber.
- ◆ The monitors can be controlled remotely via their parallel remote connector. There are 5 functions on the LMD-7220W and 4 functions on the LMD-5320/LMD-4420 in the remote menu (such as the ability to switch input signals), which can be allocated to the connector.
- ◆ They offer drastic reductions in power consumption and room-cooling requirements. This is a huge bonus in applications where power consumption is critical, such as OB van installations.
- ◆ Each is mountable on a 19" EIA standard rack. For viewing convenience, the LMD-7220W and LMD-5320 offer a 5-step tilt mechanism, and the LMD-4420 offers a 3-step tilt mechanism.

	LMD-4420	LMD-5320	LMD-7220W
Type	a-Si TFT Active Matrix		
Resolution	480 x 234 pixels	320 x 234 pixels	480 x 234 pixels
Viewable Area (H x W)	Approx. 3 1/4 x 2 1/2"	Approx. 4 1/2 x 3 3/8"	Approx. 6 1/8 x 3 1/2"
Number of Displays	4	3	2
Aspect Ratio	4:3	4:3	16:9
Composite - Input	BNC (x 4), 1.0 Vp-p ±2 dB	BNC (x 3), 1.0 Vp-p ±2 dB	BNC (x 2), 1.0 Vp-p ±2 dB
Composite - Output	BNC (x2), Loop through	BNC (x 3), Loop through,	BNC (x 4), Loop through
Remote - Parallel	Modular 8 pin (x4)	Modular 8 pin (x3)	Modular 8 pin (x2)
Option In	D-sub 9pin (x4)	D-sub 9pin (x3)	D-sub 9pin (x2)
Power requirement	2V DC (with the supplied AC adapter), AC adapter: AC 100 to 240 V, 50/60 Hz		
Dimensions (W x H x D)	19 x 5 1/4 x 3 1/2"	19 x 5 1/4 x 1 7/8"	19 x 5 1/4 x 1 7/8"
Dimension incl. AC adapter	19 x 5 1/4 x 4 5/8"	19 x 5 1/4 x 4 5/8"	19 x 5 1/4 x 4 5/8"
Weight	Approx. 4 lb 3 oz	Approx. 5 lb 1 oz	Approx. 5 lb 1 oz
Mfr. #	LMD4420	LMD5320	LMD7220W
B&H #	SOLMD4420	SOLMD5320	SOLMD7220W
Price	Call	Call	Call

LMD-9020 • LMD-9030 • LMD-9050

9" Handheld Type LUMA Monitors

Sony's compact 9" LUMA monitors offer a great level of monitoring convenience in the field and the studio. Their one piece design results in less weight and size, while maintaining the user-friendly interfaces. Small sized LCD monitor with multi format support allows usage in various applications such as shooting, OB van, control room, ENG and editing systems. Employing a 640 x 480 (VGA) or 1024 x 768 (XGA) LCD panel with high brightness, contrast, and fast response, they offer a picture quality with excellent color reproduction even in outdoor or bright ambient light. The panels also offer a wide viewing angle of 170° when viewed both up and down, and side to side. A multi-layered AR coating reduces exterior light reflection and protects the panel from shock or scratches.

All three models can display HD images using their analog component inputs. The monitors can be AC, DC, or battery driven so that they can be hand-held, situated on a desk, or mounted in standard racks. They have extensive built-in input/outputs for many formats. Standard inputs include composite, S-Video, analog HD/SD component and RGB.



LMD-9020

FEATURES

- ◆ For typical SD (standard definition) video monitoring, they are equipped with interfaces for analog composite (NTSC/PAL), component/RGB and S-Video. The LMD-9030 adds SD-SDI input capability. The top-of-the-line LMD-9050 accepts a variety of digital progressive SD and HD formats through its HD-SDI interface. These include 480p, 720p, 1080i/ as well as 1080/24PsF.
- ◆ They provide high-brightness and high contrast images by using wide aperture LCD panels. In addition, precisely manufactured RGB color filters allows them to reproduce colors with stunning depth and saturation – creating highly natural images.
- ◆ The LCD panels have a wide viewing angle of 170°, both horizontally and vertically, with minimal reduction in picture contrast.
- ◆ Robust AR-coating minimizes the chance of the panels being scratched during transportation – extremely important when using in the field or in mobile applications. The AR coating also keeps reflection from ambient light to a minimum. As a result, when used in bright lighting, high contrast is still maintained even in dark areas of the picture.
- ◆ Ideal for use in ENG and EFP operations, the picture contrast of these monitors is affected less by ambient light, allowing clear images to be viewed even under strong sunlight. For further protection, the optional VF-509 ENG kit provides a viewing hood, carrying handle, and connector protector.
- ◆ Switchable (4:3 and 16:9) scan aspect ratio
- ◆ Blue only and monochrome modes. Scan size can be selected between 5% over-scan, 0%, and -3% underscan modes.
- ◆ They can display various area markers, including a center and aspect marker with selectable brightness and widths.
- ◆ High/low color temperatures or user preset can be selected. A variety of gamma modes can also be selected.
- ◆ They are equipped with a 3-color tally lamp that can be lit up via a parallel remote connector. Each is equipped with a .5W speaker enabling monaural audio monitoring
- ◆ They can be controlled remotely (27 functions) via their parallel remote connectors.
- ◆ The monitors are 5U high and half-rack wide. Using the optional MB-525 Mounting Bracket (nine-step tilt capability), two units can be installed side-by-side in a 19" rack.

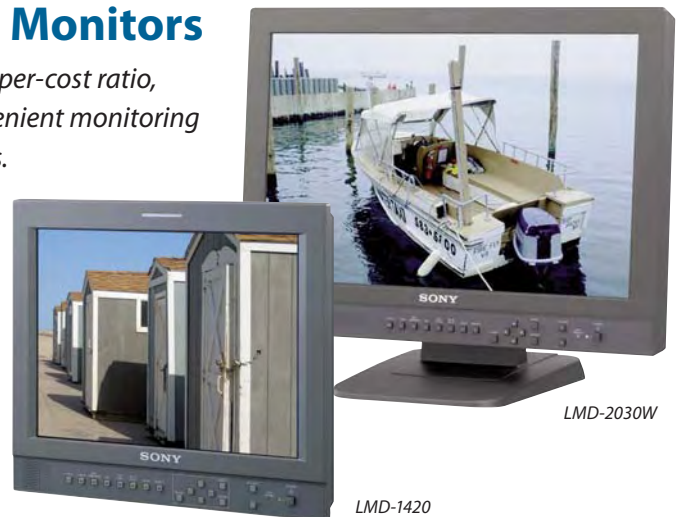
	LMD-9020	LMD-9030	LMD-9050
Type	a-Si TFT Active Matrix with a multi-layer AR-coated protection panel		
Resolution	640 x 480 pixels	640 x 480 pixels	1024 x 768 pixels
Viewable Area (H x W)	Approx. 6 3/4 x 5 1/8"	Approx. 6 3/4 x 5 1/8"	Approx. 6 3/4 x 5 1/8"
Viewable Area (Diagonal)	Approx. 8.4"	Approx. 8.4"	Approx. 8.4"
Aspect Ratio	4:3	4:3	4:3
Analog Inputs	Composite BNC (x2), S-Video 4-pin (x1), Audio 1/8-inch Jack (x2)		
Analog Outputs	Composite BNC (x2) (Loop-through), S-Video 4-pin (x1) (Loop-through), Audio 1/8-inch Jack (x1) (Loop-through), mono Headphone 1/8-inch Jack		
Remote - Parallel	Modular 8 pin (x4)	Modular 8 pin (x3)	Modular 8 pin (x2)
Option In	D-sub 9pin (x4)	D-sub 9pin (x3)	D-sub 9pin (x2)
Dimensions (W x H x D)	19 x 5 1/4 x 3 1/2"	19 x 5 1/4 x 1 7/8"	19 x 5 1/4 x 1 7/8"
Dimension incl. AC adaptor	19 x 5 1/4 x 4 5/8"	19 x 5 1/4 x 4 5/8"	19 x 5 1/4 x 4 5/8"
Weight	Approx. 4 lb 3 oz	Approx. 5 lb 1 oz	Approx. 5 lb 1 oz
Mfr. #	LMD4420	LMD5320	LMD72220W
B&H #	SOLMD4420	SOLMD5320	SOLMD72220W
Price	Call	Call	Call

LMD-1410 • LMD-1420 • LMD-2030W

14- and 20" Luma Series LCD Video Monitors

The LMD-2030W, LMD-1420 and LMD-1410 offer the best quality-per-cost ratio, and a host of user-friendly features makes them perfect for convenient monitoring in wedding and event videography, and many other applications.

Slim, light and compact the 14" LMD-1410 is designed for basic SD (standard definition) applications. The all-in-one design incorporates the control buttons, I/O board as well as the monitor stand in one package. By employing the latest 640 x 480 dot VGA LCD panel, the monitor offers a picture with high contrast and a wide viewing angle. The VGA panel provides an accurate translation of interlaced to progressive signals. The back of the LCD has a VESA standard mount with 100mm pattern allowing simple installation by using a wall mount hanger or arm stand. Designed for more advanced SD (standard definition) applications, the 14" LMD-1420 steps up with an anti-reflection protection panel, Blue Only mode, safety marker, 4:3 zoom, external sync, tally mode and an optional SDI input adapter. The 20" LMD-2030W is an entry-level HD monitor that accepts HD signals via its HDMI or analog component connectors.



LMD-2030W

LMD-1420

FEATURES

Input Versatility

- ◆ They are equipped with a full range of analog SD inputs including analog composite (NTSC and PAL), S-Video, and 525i/625i component and RGB.
- ◆ The LMD-1420 and LMD-2030W can also handle SD-SDI signals by using the optional BKM-320D SD-SDI input adapter. The LMD-2030W (only) offers an HD signal input capability via its standard HDMI and Analog Component interface.

High Picture Performance

- ◆ They come equipped with high-purity RGB color filters, allowing the reproduction of colors with stunning depth and saturation. The monitors also provide high brightness, high-contrast images.
- ◆ The LCD panels provide a wide viewing angle of 178° for the LMD-2030W, and 170° for the LMD-1420 and LMD-1410, both horizontally and vertically, with minimal reduction in picture contrast. This allows images to be viewed from various positions and angles.

Operational Convenience

- ◆ The LMD-1420 and LMD-2030W can display various area markers, including a center marker and aspect markers. The brightness of these markers can be selected from three levels: white, gray, and dark gray. Users can also select a black or gray matte to fill the outer area of the aspect markers. These flexible marker controls, together with the choice of many different aspect markers, make the monitors extremely convenient display devices for a variety of shooting scenarios.
- ◆ Selectable color temperature ('high', 'low', or user preset).
- ◆ Selectable scan size for video input. The scan size can be selected between 5% over-scan and -3% underscan modes. The aspect ratio can be switched between 16:9 and 4:3 according to the input signal.
- ◆ The LMD-1420 and LMD-2030W come equipped with a 3-color tally lamp that can be lit via a parallel remote connector. The status of the signal displayed on the monitor can be identified by the tally color - red, green, or amber.
- ◆ The monitors can be controlled remotely via their parallel remote connectors. In the remote menu, there are 17 functions for the LMD-2030W and 25 for the LMD-1420 and LMD-1410 (such as the ability to switch input signals), of which seven can be allocated to the remote connector.
- ◆ Setup level for analog composite and component signals.
- ◆ They are equipped with a 0.5-watt speaker which enables monoaural audio monitoring.
- ◆ Key-inhibit function helps prevent inadvertent operation from the control panel.
- ◆ The LMD-1420 and LMD-2030W feature Blue-Only mode and external sync input. The LMD-1420 (only) offers 4:3 Zoom.
- ◆ Complying with VESA (100 x 100mm) standards, the monitors can easily be wall or ceiling mounted.
- ◆ They can be mounted in a 19" rack using optional mounting brackets. The 9U-high LMD-2030W uses the MB-529, and the 7U-high LMD-1420 and LMD-1410 use the MB-526 mounting brackets.

LMD-1750W • LMD-2050W • LMD-2450W • LMD-4250**17-, 20-, 24- and 42" High Grade Luma HD LCD Video Monitors**

The top-of-the-line LMD-1750W (17"), LMD-2050W (20"), LMD-2450W (24") and LMD-4250W (42") offer the latest 10-bit DSP engine, market-proven ChromaTRU color matching technology, and the high functionality for which Sony professional video monitors are renowned. Designed for broadcast and post-production applications, they accept a variety signals in both analog and digital, and SD and HD formats. Digital SD-SDI and HD-SDI interfaces are available as options.



LMD-2450W

FEATURES**High Picture Quality**

- ◆ They use precisely manufactured high purity RGB color filters, allowing the reproduction of colors with stunning depth and saturation to create highly natural images.
- ◆ They provide high-brightness, high-contrast images by utilizing super-wide aperture LCD panels. They offer a wide 178° (H/V) viewing angle with virtually no reduction in picture contrast, color saturation, and hue shift.
- ◆ They use a motion adaptive I/P conversion process to achieve results that are optimized to the picture content - whether static or dynamic. Highly accurate I/P conversion is provided regardless of signal resolution, for example, whether the input is HD or SD.

Input Versatility

- ◆ They accept almost any SD or HD video format, analog and digital. These include composite NTSC and PAL, 480i/480p, 720p, 1080i, 1080/24P, 25P, 30P. They also accept 1080/24PsF and 1080/25PsF.
- ◆ Standard inputs include analog composite (NTSC/PAL), S-Video, component and RGB. Additional inputs can be added by using option boards. Digital interfaces including HD-SDI and SD-SDI are also offered as options, to meet budgetary and user needs.
- ◆ They also accept various types of analog and digital computer signal via the standard HD-15 and DVI-D interfaces respectively. With their high-performance scan converters, they can display PC signals from VGA to 1280 x 768 WXGA (LMD-1750W), 1680 x 1050 WSXGA+ (LMD-2050W) and 1920 x 1200 WUXGA (LMD-2450).

Accurate Gamma and Stable White Balance – ChromaTRU Color Processing

For an extra level of color reproduction accuracy, every LCD panel used in the monitors is precisely color calibrated at the factory, providing characteristics consistent with those of CRT displays. The colorimetry of an LCD display, by nature, can exhibit inaccurate R, G, B color coordinates and unbalanced R, G, B gamma curves, which can make precise color matching between multiple monitors a challenge. These are also the primary reasons why LCD color tone can slightly differ from CRT tone.

The LMD-1750W/2050W/2450W solve this problem by precisely calibrating each LCD panel's light output so that the R, G, B color coordinates are virtually the same as those of a CRT monitor. A second calibration is further applied so that white balance is maintained at a consistent color temperature throughout all grayscale levels. The result of these precise calibrations is color reproduction reminiscent of Sony CRT displays.

Advanced Marker Settings

- ◆ The high-grade type LUMA monitors can display various area markers, including a center marker, aspect markers, and a safety zone marker. The brightness of these markers can be selected from three different levels: white, gray, and dark gray. Users can also select either a black or gray matte to fill the outer area of the aspect markers. These flexible marker controls, together with the choice of many different aspect markers, make the high-grade type LUMA monitors extremely convenient display devices for a variety of shooting scenarios – from standard video acquisition to digital cinematography

Four Panel Sizes

The high-grade type LUMA monitors are offered in four panel sizes between 17" and 42".

	Panel Resolution	Panel Aspect Ratio	Panel Size	Desktop Stand	Mounting Holes (mm)	
					19" Rack	VESA Mounting
LMD-4250W	1920 x 1080	16:9	42"	N/A	N/A	400 x 400
LMD-2450W	1920 x 1200	16:10	24"	Supplied	N/A	100 x 100
LMD-2050W	1680 x 1050	16:10	20"	Supplied	Optional MB-529	100 x 100
LMD-1750W	1280 x 768	15:9	17"	Optional SU-561	Optional MB-530	75 x 75, 100 x 100

LMD-1750W • LMD-2050W • LMD-2450W • LMD-4250

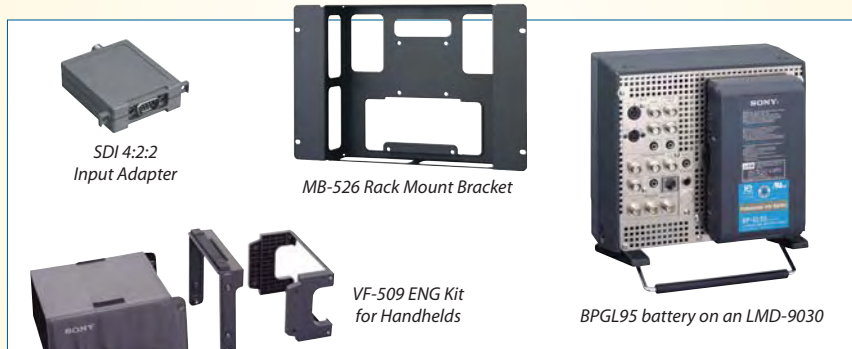
Operational Conveniences

- ◆ Color temperatures of 6500K and 9300K as well as a user preset setting can be selected.
- ◆ Their screen size can be selected between 5% over scan and 0% scan modes. The aspect ratio can be switched between 16:9 and 4:3 according to the input signal.
- ◆ They come equipped with a 3-color tally lamp that can be lit via a parallel remote connector. The status of the signal displayed on the monitor can be identified by the tally color - red, green, or amber.
- ◆ Image size can be automatically adjusted to its optimal setting with the one-touch Smart APA (Auto Pixel Alignment) key.
- ◆ The high-grade type LUMA monitors can be controlled remotely via a parallel and serial remote connector. There are 38 functions (35 functions for LMD-4250W) in the parallel remote menu (such as the ability to switch input signals), of which eight can be allocated to the connector. The serial remote controls are supported via the Ethernet and RS-232C command.
- ◆ They are equipped with 0.5W + 0.5W stereo speakers to monitor the audio.
- ◆ Key-inhibit function helps prevent inadvertent operation from the control panel.
- ◆ They are equipped with a closed caption decoder. The CC information (EIA608) embedded in the analog composite and component inputs can be decoded for display.
- ◆ Although wider than a 19" rack, the 8RU high LMD-2050W can be rack mounted with the optional MB-529 Mounting Bracket. The LMD-1750W (7U high) can also be rack mounted using the optional MB-530 Mounting Bracket.
- ◆ Complying with VESA standards, the LMD-1750W, LMD-2050W and LMD-2450W can easily be mounted (100 x 100mm pitch) on a wall or ceiling.
- ◆ Other features include WFM and Audio level meter windows (only embedded audio is supported), Picture by Picture mode, H/V Delay Function, setup level for analog component and NTSC signal, Blue-only and monochrome modes.
- ◆ Sub Control on Contrast, Chroma, Phase, and Brightness. Auto chroma/phase setup, DVI-D input and power-saving function.

ACCESSORIES FOR LMD MONITORS

For LMD-1750W, LMD-2050W, LMD-2450W & LMD-4250

HDSDI/4:2:2 SDI Input Adapter (Mfr # BKM-243HS • B&H # SOBKM243HS) Supplies two HD-SDI inputs and one output.....	1499.95
HD/SD-SDI Closed Caption Adapter: SDI/4:2:2 SDI Input Adapter (Mfr # BKM-244CC) To decode closed caption information embedded in EIA708 for display.....	Call
SD-SDI 4:2:2 Input Adapter (Mfr # BKM-220D • B&H # SOBKM220D) Provides 2 SDI BNC inputs and a single SDI output.....	414.95
Analog Component Adapter (Mfr # BKM-229X • B&H # SOBKM229X) Provides RGB/component video inputs.....	663.50
NTSC/PAL Input Adapter (Mfr # BKM-227W • B&H # SOBKM227W) Provides Composite and S-Video inputs.....	639.95
SDI 4:2:2 Input Adapter (Mfr # BKM-320D • B&H # SOBKM320D): Provides a single uncompressed SDI input for the LMD-1420, 2030W, 4420, 5320, and 7220W.....	319.95



Mounting Brackets

Rack Mount Bracket (Mfr # MB-526 • B&H # SOMB526): For the LMD-1410 and LMD-1420...	199.95
Rack Mount Bracket (Mfr # MB-530 • B&H # SOMB530): For the LMD-1750W	CALL
Rack Mount Bracket (Mfr # MB-529 • B&H # SOMB529) For the LMD-2030W and LMD-2050W	219.95
Rack Mount Kit (Mfr # MB-525 • B&H # SOMB525): For LMD-9050. Fits a standard 19" rack and is capable of holding two LMD-9050 monitors.....	239.95
Mounting Panel (Mfr # MB-528 • B&H # SOMB528): To covers the blank area when mounting only one LMD-9050 with the MB-525 kit.....	89.95
ENG Kit for Handhelds (Mfr # VF-509; B&H # SOVF509): Kit contains carrying handle, viewing hood and connector protector for LMD-9020, 9030 and 9050.....	329.95

Batteries for the LMD-9020, 9030 and 9050

BP-GL95 (Mfr # BPG95 • B&H # SOBPG95): Rechargeable 95Wh Lithium-ion Battery.....	549.95
BP-GL95 (Mfr # BPG65; B&H # SOBPG65): Rechargeable 65Wh Lithium-ion Battery.....	274.95

LMD-SERIES SPECIFICATION

	LMD-1410	LMD-1420	LMD-1750W	LMD-2030W,	LMD-2050W	LMD-2450W	LMD-4250W
Picture Size	14-inch	14-inch	17-inch	20-inch	20-inch	24-inch	42-inch
Picture Resolution (pixels)	640 x 480	640 x 480	1280 x 768	1680 x 1050	1680 x 1050	1920 x 1200	1920 x 1080
Panel Aspect Ratio	4:3	4:3	15:9	16:10	16:10	16:10	16:9
I/O Capability (HD)	Analog	Analog	Analog/Digital	Analog/Digital	Analog/Digital	Analog/Digital	Analog/Digital
I/O Capability (SD)	Analog	Analog/Digital	Analog/Digital	Analog/Digital	Analog/Digital	Analog/Digital	Analog/Digital
Acceptable Computer System	No	No	up to WXGA	No	up to WSXGA+	up to WUXGA	Full HD
Analog Video							
Composite (In, Out)	BNC (x2), BNC (x2)	BNC (x2), BNC (x2)	BNC (x1), BNC (x1)	BNC (x1), BNC (x1)	BNC (x1), BNC (x1)	BNC (x1), BNC (x1)	BNC (x1), BNC (x1)
Y/C	4-pin Mini-DIN x 1 (IN), 4-pin mini-DIN x 1						
Component/RGB	BNC (x3), BNC (x3) RCA (x1), RCA (x1)	BNC (x3), BNC (x3) RCA (x1), RCA (x1)	BNC (x3), BNC (x3)	BNC (x3), BNC (x3) RCA (x1), RCA (x1)	BNC (x3), BNC (x3)	BNC (x3), BNC (x3)	BNC (x3), BNC (x3)
HD-15 (In)	No	No	D-sub 15-pin (x1)	No	D-sub 15-pin (x1)	D-sub 15-pin (x1)	D-sub 15-pin (x1)
External Sync (In, Out)	BNC (x1), BNC (x1)	BNC (x1), BNC (x1)	BNC (x1), BNC (x1)	BNC (x1), BNC (x1)	BNC (x1), BNC (x1)	BNC (x1), BNC (x1)	-
Digital Interface							
SD-SDI Input	-	BKM-320D, RCA x 1 (IN) No	BKM-220D, BKM-243HS	BKM-320D, RCA x 1 (IN) No	BKM-220D, BKM-243HS	BKM-220D, BKM-243HS	BKM-220D, BKM-243HS
HD-SDI Input	-	-	BKM-243HS	-	BKM-243HS	BKM-243HS	BKM-243HS
SDI with Audio Decoding	-	-	✓	-	✓	✓	✓
HDMI	-	-	-	✓	-	-	-
DVI-D	-	-	✓	-	✓	✓	-
Option Board	D-sub 9-pin x 1, (BKM-320D IN)	D-sub 9-pin x 1, (BKM-320D IN)	2 slots (BKM-244CC, BKM-243HS, BKM-220D, BKM-229X, BKM-227W)	D-sub 9-pin x 1, (BKM-320D IN)	2 slots (BKM-244CC, BKM-243HS, BKM-220D, BKM-229X, BKM-227W)	2 slots (BKM-244CC, BKM-243HS, BKM-220D, BKM-229X, BKM-227W)	2 slots (BKM-244CC, BKM-243HS, BKM-220D, BKM-229X, BKM-227W)
Control							
Parallel (Modular 8-pin)	✓	✓	✓	✓	✓	✓	✓
Serial D-sub 9-pin (RS-232)	-	-	✓	-	✓	✓	✓
Serial RJ-45 (LAN)	-	-	✓	-	✓	✓	✓
Audio							
Audio Input	RCA (x2)	RCA (x2)	RCA (x2)	RCA (x1)	RCA (x2)	RCA (x2)	RCA (x2)
Audio Output	RCA (x2)	RCA (x2)	RCA (x2)	RCA (x1)	RCA (x2)	RCA (x2)	RCA (x2)
Built-in Speaker Out	0.5 W Mono	0.5 W Mono	1 W + 1 W Stereo	0.5 W Mono	1 W + 1 W Stereo	1 W + 1 W Stereo	1 W + 1 W Stereo
Features							
Signal Processing	8-bit	8-bit	10-bit	8-bit	10-bit	10-bit	10-bit
Color Matching	-	-	ChromaTru	-	ChromaTru	ChromaTru	ChromaTru
Marker	-	Aspect, Center, Safety Area	Aspect, Center,	Aspect, Center Safety Area	Aspect, Center, Safety Area	Aspect, Center, Safety Area	Aspect, Center, Safety Area
Scan							
Blue Only, H/V Delay	- / -	- / -	Yes / Yes	- / Yes	Yes / Yes	Yes / Yes	Yes / Yes
Tally	-	3-Color	3-Color	3-Color	3-Color	3-Color	-
Smart APA	-	-	✓	-	✓	✓	✓
EIA 19-inch Rack Mounting	MB-526	MB-526	MB-530	MB-529	MB-529	N/A	N/A
VESA Mounting	100 x 100 mm	100 x 100 mm	100 x 100 mm, 75 x 75 mm	100 x 100 mm	100 x 100 mm	100 x 100 mm	400 x 400 mm
Desktop Stand	Supplied	Supplied	Supplied	Supplied	Supplied	Supplied	-
DC Operation	-	-	12 V	-	24 V	24 V	-

BVM-A14F5U • BVM-A20F1U

14- and 20" Master-Grade Monitors

Master-grade 4:3 CRT monitors, the BVM-A14F5U (14") and BVM-A20F1U (20") support multi-format inputs, accepting a range of SD and HD signal formats, with the added capability of dual-link HD-SDI input to monitor top-quality images up to 1080/50i and 1080/60i 4:4:4 RGB.

The monitors are user configurable with three different option slots in which the user can choose any combination of the three available input option boards.

They use the same optional input boards thus allowing sharing between the monitors. They also incorporate an Ethernet — based control system, allowing standard network cables and hubs to be used for easy configuration, high reliability, and high communication speed. And for monitor setup and control, logical menu structures and Auto Setup capabilities further facilitate system setup. Designed to meet the critical needs of today and tomorrow, the BVM-A14F5U and BVM-A20F1U is the choice for high-grade monitoring application in studio production, post-production, telecine and broadcast operations.



FEATURES

Highest Possible Quality

- ◆ To provide the highest possible picture quality, they are equipped with CRTs using SMPTE-C standard phosphors. They are also designed to provide most accurate phosphor chromaticity, white uniformity, and color temperature, thereby achieving extremely faithful color reproduction. Their internal beam current feedback circuit maintains a constant color temperature over a long period of time.

Inputs/Outputs

- ◆ With the appropriate input boards installed, they support the full spectrum of SD and HD signals with frequency responses ranging from 15 kHz to 45 kHz (horizontal)/48 Hz to 60 Hz (vertical). Input signals are scanned on the CRT raster at their native frequencies and native line counts, with no scan conversion processes involved.
- ◆ They offer dual-link HD-SDI capability. Using two HDSDI connectors in a pair, they allow a variety of digital 4:4:4 HD signals to be accepted in both RGB and component signal formats.

Advanced Operation

- ◆ They use a modular slot design, so inputs can be configured according to individual needs. Three input slots are available. Optional input boards can be installed in any slot, and in any combination. The option boards utilize only one slot each, so up to three cards can be installed for maximum flexibility.
- ◆ Their modular design, in which the monitor and control panel are provided as separate units, allows for greater flexibility in system integration. The optional BKM-15R Monitor Control Unit can be attached below the BVM-A20F1U using the optional BKM-35H Attachment Kit (BVM-A14F5U doesn't need an attachment kit).
- ◆ The monitors and BKM-15R are equipped with ethernet ports, allowing remote control of display parameters across a standard Ethernet connection. Up to 31 monitors can be controlled from a single BKM-15R.
- ◆ The BKM-15R has a Memory Stick slot to save and load monitor setups and adjustment on Memory Stick media. Allows data to be exchanged between units so that the same setup and adjustment status is retained.

Marker Settings

- ◆ The monitors can display various markers, including an aspect marker, safe area marker, and center marker. In addition to this flexible selection of marker types, detailed display settings of each marker are offered.
- For example, the brightness, horizontal position, and width of aspect markers can all be controlled, while the height and width of safe area markers can also be adjusted. Users can also choose to display the title of the safe area marker, and select its position and size.
- These flexible marker controls, together with the choice of many different marker selections, make them the ideal displays for a variety of shooting scenarios – from SD/HD video acquisition to digital cinematography.

Remote Maintenance

They support the SNMP protocol through their ethernet ports, which allows maintenance information to be monitored. By using compatible remote maintenance software, it is possible to monitor the display's status as well as upgrade software via a Local Area Network.

BVM-A14F5U • BVM-A20F1U

Operational Conveniences

- ◆ The color temperature of the monitors can be automatically adjusted by the auto white balance function using the optional Sony BKM-14L Auto Setup Probe. Probes from other manufacturers, can also be used.
- ◆ The monitors automatically select the most appropriate decode matrix from one of the three matrices (ITU 601, ITU 709, or SMPTE 240M), according to the input signal.
- ◆ An Auto Chroma/Phase setup function is also provided, which automatically adjusts the monitor's chroma, phase and matrix using external color bars.
- ◆ With the monitors, white can be reproduced uniformly on every point of the screen, even in the peripheral area, using the digital uniformity circuit. This adjustment can be made manually or automatically, with the use of the optional BKM-14L Auto Set-up Probe.



BKM-15R

- ◆ A "CHROMA UP" button located on the BKM-15R front panel allows the Chroma Level to be boosted by +12dB. This is convenient for adjusting camera white balance with a high degree of accuracy.
- ◆ To facilitate parameter adjustments, the on-screen menu indication can be taken off the screen, while the menu mode is still active. On-screen menu indication can be toggled on/off from the BKM-15R front panel.
- ◆ BKM-15R enables instant access to the manual white balance adjustment mode without using the on-screen menu.
- ◆ Parallel remote control function
- ◆ Built-in test signal generator for crosshatch, 100% white signal, grayscale, and PLUGE
- ◆ H/V delay functions for checking the horizontal and vertical sync signals. Auto and manual degaussing.

Measurements

- ◆ The BVM-A14F5U measures 19" x 11 1/8" x 22 1/2" and weighs 57 lbs. The BVM-A20F1U is 17 3/8" x 16 3/8" x 22 1/2" and weighs 88 lbs.

Optional Accessories for the BVM-A14F and BVM-A20F1U



BKM-62HS: HD SDI/SDI Input Adapter: Capable of displaying 4:4:4 HD signals when using 2 HDSDI connectors in parallel. (Mfr # BKM62HS • B&H # SOBKM62HS).....**4899.95**

BKM-61D: SDI/Analog Multi Input Adapter: 2 SDI and 3 Composite/Y/C inputs. (Mfr # BKM61D • B&H # SOBKM61D).....**1749.95**

BKM-68X: Analog Component Input Adapter: Provides RGB or Y/Pb/Pr component input. Accepts analog HD. (Mfr # BKM68X • B&H # SOBKM68X).....**699.95**

BKM-14L: Auto Set-up Probe: A monitor analyzing set-up probe for critical calibration. (Mfr # BKM14L • B&H # SOBKM14L).....**849.95**

BKM-15R: Monitor Control Unit: Ensures easy video switching between multiple signals without the hassle of toggling through a digital menu. (Mfr # BKM15R • B&H # SOBKM15R)**949.95**



BKM-30E14: Rackmount Kit for the BVM-A14F5U (Mfr # BKM30E14 • B&H # SOBKM30E14)**269.95**

BKM-30E20: Rackmount Kit for the BVM-A20F1U (Mfr # BKM30E20 • B&H # SOBKM30E20).....**479.95**

BKM-35H: Monitor Control Unit Attachment Kit (Mfr # BKM35H • B&H # SOBKM35H)**479.95**

BVM-L230

22.5" Professional Master Monitor

The pinnacle of LCD monitoring, the BVM-L230 offers the accurate color reproduction, precision imaging, and quality picture consistency required in today's most demanding master monitoring applications. The ideal solution for the full range of master monitoring applications, from acquisition to editing to color correction, the stunning performance of the BVM-L230 is attributable to three devices – a customized 23" full HD LCD panel, a high precision backlight system, and a unique professional display engine used exclusively in this monitor —all of which are optimized for producing images with master monitoring quality. Among its innovative features is a color space selection function, a unique Picture and Picture display, and an interlace display mode to name just a few.



(Mfr # BVM-L230 • B&H # SOBVML230)**CALL**

FWD-32LX2 • FWD-40LX2

32" and 40" High-Definition Flat Panel LCD Monitors

Offering businesses advanced networking and display capabilities, the FWD-32LX2 (32") and FWD-40LX2 (40") LCD monitors are designed to fit a variety of businesses ranging from small retail shops to large hotels. Restaurant, lounge and shopping mall operators will especially appreciate the long lived high brightness display. They incorporate the Sony WEGA Engine system, a digital processing system that reduces video artifacts that can result from those analog/digital conversions. They deliver 1000:1 contrast ratio, and both incorporate S-LCD panels which produce exceptional black level reproduction and drastically improves gradation.

For even more versatility, they are equipped with an option slot(s) for a tuner, IP addressable network media card with flash memory, or expanded video I/O. Each display can be controlled remotely with Sony's BKM-FW32 Network Management Card or BKM-FW50 Network Media Card via ethernet. The BKM-FW50 networking card also has the ability to remotely control multiple displays, as well as transmit movies or still images.

At 40-inches, the FWD-40LX2 LCD panel fits easily into most hospitality-standard dressers. As a result, guests are given a better viewing experience without the added expense of a major room renovation. This model also has a 178/178° viewing angle, a key feature for conference room space. They feature Sony's elegant bezel or flat design and are available in three colors: pearl white, crystal silver and frosted black.



FEATURES

Phenomenal Picture Quality

- ◆ High brightness, superior contrast (1000:1) and super-fast 16ms response time combine to deliver crisp, clear text and smooth motion images for video applications.
- ◆ They use the latest S-LCD panel technology, providing a 178° wide viewing angle, along with WEGA Engine technology to deliver remarkable resolution and image clarity.
- ◆ Unique WEGA Engine technology optimizes the display's potential by minimizing signal deterioration caused by digital-to-analog conversion. The result is better resolution and sharpness, higher contrast, less digital noise, and greater picture dimension.
- ◆ Their 1366 x 768 native resolution is capable of delivering HD performance in an elegant flat display design. They are capable of handling various input timings and sources, including video and PC timings for use with up to 1080i video or 1600 x 1200 PC timing.

Flexible Inputs

- ◆ They come ready to work with a wide array of video devices or PC applications. Inputs include analog and digital HD video (using component to HD15 cable, or DVI-D Cable with HDMI to DVI-HDCP), as well as PC input, using HD15 (RGB/YUV) or DVI-HDCP inputs.

Multi Display

- ◆ Building a video wall? Don't pay thousands of dollars for external display processors! They feature an Automatic Video Wall Set Up Mode for up to 16 panels.
- ◆ The displays can be set used as a video wall segment right out of the box. Simply select the desired matrix size from the choices of 2 x 2, 3 x 3 or 4 x 4.
- ◆ Next, use the remote control to indicate on the matrix graphic what position in the video wall puzzle this TV will occupy.

High Performance

- ◆ They support P-i-P (Picture-In-Picture) as well as P-i-P features for flexible multi-tasking. P-i-P lets you watch two program sources side by side with the ability to smoothly zoom in on one picture and listen to the program in the selected window.
- ◆ Discrete IR Codes are available for use with installations where control systems are used with the Control-S (In/Out) or front IR sensor. In addition, users may select from the Onscreen display (OSD) a setting to fix the input to maintain its current setting.
- ◆ RS-232C port and serial control available for advanced installations.
- ◆ They accept Sony expansion cards for more inputs or networking control such as the BKMF50 digital signage card. The FWD-32LX1 has one open card slot (the FWD-40LX1 has two slots), with one populated with a composite (BNC) / S-Video input card with shared L/R audio input.

FWD-32LX2 • FWD-40LX2

Conveniences

- ◆ Confused by the endless picture sizing options of 16:9 aspect ratio widescreen TVs? These monitors can interpret the Identification Control Signal embedded in some digital broadcasts. When selected, the Auto Wide function will select the most appropriate screen display size and aspect ratio based on this signal.
- ◆ Compatible with NTSC, PAL, SECAM, NTSC 4.43, PAL60, PAL-M and PAL-N systems
- ◆ On/Off Timer lets you use them like an alarm clock to wake you up, or be on time for a teleconference. By programming the On/Off Timer you can make your home or office seem occupied while you're not there.
- ◆ To make installation easier, Sony includes a 10' component (Y/Pb/Pr) to HD15 cable for connecting Digital Cable or satellite receivers. Also included is a DVI-D cable for versatile digital connections.
- ◆ Cable management system conceals wires and cables, keeping the back looking streamlined and uncluttered.
- ◆ Cinema Drive uses reverse 3-2 pull down technology, also known as Inverse Telecine, to detect the unique cadence of film-originated video and reconstruct the original film frames resulting in smoother action when watching movies.
- ◆ Burn-in resistant LCD technology ensures long life when using static images. Low power consumption and long-life panel delivers hours of use to keep total cost of ownership low. Also features anti-glare and anti-reflective screen protectors.
- ◆ On-screen display, available in 10 languages.
- ◆ Built-in closed caption decoder.
- ◆ Three custom picture modes as well as Vivid and Standard.
- ◆ Scratch-resistant crystal-look bezel in a choice of three elegant colors adds upscale refinement to any interior.

FWD-32LX2F/S 32" Display w/Silver Bezel
(Mfr # FWD32LX2F/S • B&H # SOFWD32LX2FS)CALL

FWD-32LX2F/B 32" Display w/Black Bezel
(Mfr # FWD32LX2F/B • B&H # SOFWD32LX2FB)CALL

FWD-40LX2F/S 40" Display w/Silver Bezel
(Mfr # FWD40LX2F/S • B&H # SOFWD40LX2FS)CALL

FWD-40LX2F/B 40" Display w/Black Bezel
(Mfr # FWD40LX2F/B • B&H # SOFWD40LX2FB)CALL

KLH-W32: 32" Bravia Hotel HDTV for High Definition PPV/VOD

The Bravia KLH-W32/ST is a 32" professional LCD monitor designed specifically for use in commercial, industrial and hospitality environments. The panel's bright display provides ample illumination for even the most harshly lit public areas, while its superb image quality translates into crystal-clear imagery. Additionally, the KLH-W32/ST comes equipped with an acrylic anti-glare coating over the screen making it ideal for high-traffic venues.



- ◆ Expandable card slot supports ICS-SP30, a fully integrated HD video card for key hotel VOD providers. Pro:Idiom compliant.
- ◆ One slot can accommodate different sized option boards for video input, RS-232/Control S communication, and optional BKM boards.
- ◆ Special setup menu allows access to unique features for hotels and is hidden from guests.
- ◆ Clone setup capability saves time since all hotel TV's have the same configuration.
- ◆ Dark silver body will fit any decor
- ◆ Built-in speaker and removable table-top stand, no need for add-on items
- ◆ Under the monitor speaker design allows minimal width so TV can be placed in existing furniture.
- ◆ Two HDMI inputs and one analog PC input (HD input). Multiple analog inputs of composite, S-Video and component are supplied through HD-15 connector. Additional inputs are available through the use of optional BKM/ICS cards.

	FWD-32LX2/FWD-40LX2	KLH-W32
Screen Size (Diagonal)	32" / 40"	32"
Aspect Ratio	16:9	16:9
Pixel Resolution	1366 x 768	1366 x 768
Brightness	500cd/m ²	500cd/m ²
Viewing Angle	176°	176°
Contrast Ratio	1300:1	-
Composite Video	BNC (x1 Output)	-
Component/RGB	15-Pin D-Sub	15-Pin D-Sub
HDMI	x2 Input	x2 Input
S-Video	x1 Input, x1 Output	-
RS-232C Control Port	9-Pin DSub (x1)	9-Pin DSub (x1)
Dimensions (WxHxD)	31.6 x 19.4 x 4.4" / 38.9 x 23.3 x 4.9"	31.4 x 22.9 x 8.7"
Weight	38.5 lb / 55.1 lbs	36.6 lbs

FWD-42PV1

42" Extended Definition Plasma Monitor

The FWD-42PV1 Plasma Pro is a flat panel display with several features that make it well-suited for the demands of today's business environment, including a category-leading 10,000:1 contrast ratio for vivid picture quality for digital signage, hospitality and conference room applications. It also offers WVGA resolution (852 x 480), and the ability to display images and video from a wide assortment of inputs and formats. The monitor has two slots to accommodate a television tuner and the BKM-FW32 network card, enabling users to monitor the display's status and troubleshoot multiple networked displays from one central location. For added convenience when integrating into a system, an AC outlet is provided to supply power to equipment such as twisted pair transceivers up to 0.5 A. Last, lower total cost of ownership, due in part to low power consumption, adds to overall value. A special edition model FWD-42PV1A/S which works effectively at high altitudes, which can affect standard plasma displays is also available.



FEATURES

- ◆ Incorporates a WVGA plasma display panel that achieves a high brightness and high contrast ratio. Resolutions of 852 x 480 pixels and a 1.08mm pixel pitch produce excellent image quality and sharp colors
- ◆ Digital Video Input (DVI-D HDCP) offers a high picture quality when used with a DVI-equipped PC (DVI video cable is supplied).
- ◆ Ultra-high panel brightness and contrast (10,000:1) ratio. Anti-reflection (AR) coating on the glass protection panel reduces light reflection for clear, high-contrast pictures. Ideal for HD content or PC signals.
- ◆ Long panel life (60,000 hours to half brightness)
- ◆ Lower power consumption at only 260W
- ◆ Full screen saver functions including Auto Dimmer function and on/off timer.
- ◆ 7-watt digital stereo audio amplifier with optional speakers (SS-SP42FW/S)
- ◆ Supports standard and HDTV formats including 1080i, 720p, 1080/24Psf, and 480p as well as DVI and RGB computer signals
- ◆ Energy-saving mode decreases the power consumption
- ◆ Added flexibility comes from the format-free layout. The unit can be mounted horizontally, fixed on an optional stand or to a wall, or hung from the ceiling. The connector panel is located on the lower back of the display providing easy, inconspicuous hookup.
- ◆ In addition to standard 4:3 mode, the FWD-42PV1 can optimize the display of other aspect ratios to eliminate or greatly reduce the amount of dead space visible around the image. Available modes include Expanded 4:3 (16:9 wide zoomed), Letterbox (16:9 zoomed), Full 16:9 and Subtitle 16:9.
- ◆ A core part of the FWD-42PV1's appeal is its versatility. In addition to fixed HD15 RGB/Component and DVI-HDCP inputs, it has composite and S-Video inputs on a removable module. This can be swapped out for other options, including 5-way BNC or a pass-through for connecting multiple monitors in an active loop.
- ◆ Control-S and RS-232 ports for remote management. Control-S allows for simple, unidirectional control of single units or daisy-chained arrays, while the RS-232 port is bi-directional and provides feedback such as status checks and even failure codes.

Get your Message Across

Combining attention-grabbing image quality with versatility, stylish design and long product life, the FWD-42PV1 was designed to be noticed. The outstandingly bright and clear picture is ideal for digital signage applications, public entertainment or any situation where the aim is to get the message across.

Featuring 852 x 480 ED (Extended Definition) resolution and anti-reflective panel protection, the FWD-42V1 Plasma Pro monitor is designed for sales and marketing promotions for digital signage applications, including point-of-purchase and brand advertising, as well as information display in transportation hubs. It is perfect for setting the right mood in restaurants, casinos, clubs and lounges playing background video to entertain. The monitor's rugged yet durable design also makes it ideal for rental and trade show applications.

FWD-42PV1

Audio

- ◆ When audio is needed, users can rely on the inboard amplifier to deliver 2x 7-watts of clean, punchy sound. Better yet, the optional SS-SP42FW speaker set mounts at the sides of the cabinet and delivers great sound from a compact but stylish format which matches the overall design of the display.

RM-980 Remote Commander

- ◆ Supplied RM-980 Remote Commander makes setup fast by allowing direct access to important functions such as input selection, volume control, picture control, aspect ratio and picture size and position.
- ◆ The remote can also be used to select and control an individual display in an array using it's ID-mode and numerical keypad.
- ◆ The monitor can also be configured using a 6-language graphical on-screen menu.
- ◆ When required the remote can be used to disable the physical control panel on the monitor itself, including the on/off function.

Multi Display

For fast and easy video wall creation, the on-screen control features a Multi Display Setup function. This lets users set the zoom factor or the amount of screens in the array, then the location in the wall of each individual monitor. The zoom function can be used when multiple monitors are assembled into a video wall. By setting the zoom level to 2x, 3x or 4x, arrays of 4, 9 or even 16 screens can be co-ordinated to display a single image – without any additional picture processor.

Screen Saver

The lifetime of the plasma screen can be greatly prolonged by a screen saver. That's because, if an image doesn't change in brightness, or a still image is displayed for a long time, an after-image (ghosting) may be burned into the display panel. To correct or lessen the severity of this problem, the monitor is equipped with a screen saver function. There are three screen saver modes: Picture Orbiting; Picture Inversion and Background. In addition, an internal timer can be used to switch the display on or off at specific times, independently of the external control system. This both reduces overall power consumption and extends the life of the display.

- ◆ Orbiting and Inversion are timer-programmable modes that move the image around and reverse its color tones, both methods of reducing the danger of burn-in.
- ◆ Background function is used when there is dead space around the image creating a sharp contrast in brightness. Background tone can be set from black to dark grey or light grey to compensate.

FWD-42PV1VS: High Altitude Model (Mfr # FWD42PV1A/S • B&H # SOFWD42PV1VS).....CALL

FWD-42PV1P/B: Portrait Model with Black Bezel (Mfr # FWD42PV1P/B • B&H # SOFWD42PV1PB)CALL

FWD-42PV1/B: 42" Plasma Display with Black Bezel (Mfr # FWD42PV1/B • B&H # SOFWD42PV1B).....CALL

FWD-42PV1/S: 42" Plasma Display with Silver Bezel (Mfr # FWD42PV1/S • B&H # SOFWD42PV1S).....CALL

GXD-L52H 52" High Definition LCD in a Dust and Tamper-Resistant Chassis

Designed with specialized features which make it ideal for use in digital signage advertising applications in semi-outdoor environments such as shopping malls, train stations, airports, stadiums, school campuses, convention centers, stadiums as well as executive offices and control rooms, the GXD-L52H has a totally sealed chassis that meets IP30 dust resistant standards. In addition, its front protective glass and bezel are field replaceable from the front leaving no need to remove the display from its mount for service of these parts.



- ◆ 52" LCD with 1920 x 1080 full HD resolution, it has an advanced 10-bit panel to faithfully reproduce natural, smooth color gradation and vibrant images.
- ◆ Its robust safety features guarantee reliable, semi-outdoor use. It features an anti-dust mechanism which allows air to be circulated inside its chassis while dismissing heat, ensuring no dust penetrates its body and making it suitable for use in open environments.
- ◆ The durable tamper-resistant front panel is made of strong glass and metal bezel that is easily replaceable, allowing for convenient panel changes when necessary. Lack of external air holes enables the LCD display to be flush-mounted with minimum back ventilation required.
- ◆ Maintains the same life span in either portrait or landscape installations with no burn-in even during 24-7 operation.
- ◆ When one or even two CCFLs (Cold Cathode Fluorescent Lamp) are down, the display will still continue to be in operation and the system will prompt the operator that the panel is reaching end-of-life.
- ◆ The built-in LAN connectivity allows for the control and monitoring of several displays networked across a property by a single operator.

GXD-L52H1: 52" LCD Monitor (Mfr # GXD-L52H1 • B&H # SOGXDL52H1)CALL

HDMI Input Adapter: (Mfr # BKM-FW15 • B&H # SOBKMFW15)152.95

HD-SDI Input Adapter: (Mfr # BKM-FW16 • B&H # SOBKMFW16).....999.95

FWD-42PX2 • FWD-50PX3

42- and 50" High Definition Plasma Monitors

Well suited for corporate and consumer applications, the FWD-42PX2 and FWD-50PX3 are stylish 42- and 50" plasma displays with a 10,000:1 contrast ratio and more than 60,000 hours of life. The displays have both DVI-HDCP and dual option slots. Additionally, they feature picture-in-picture, advanced video wall and optional network connectivity, making them ideal for a digital signage applications in office lobbies or reception areas. Integrated stereo amplifier and optional speakers will support all of your audio requirements. The FWD-42PX2 and FWD-50PX3 are available in silver or black.



FEATURES

High Performance

- ◆ Ultra-high panel brightness and contrast (10,000:1) ratio. Anti-reflection (AR) coating on the glass protection panel reduces light reflection for clear, high-contrast pictures. Ideal for HD content or PC signals.
- ◆ The 1366 x 768 native resolution is capable of delivering HD performance in an elegant flat display design. The display is capable of handling various input timings and sources, including video and PC timings for use with up to 1080i video or 1600 x 1200 PC timing.
- ◆ The displays have a long-life panel of 60,000 hours—that's seven years. The panels are capable of 1.07 billion colors, the result is a life-like image with rich color reproduction for home theater applications.
- ◆ They support P-i-P (Picture-In-Picture) as well as P-i-P features for flexible multi-tasking. P-i-P lets you watch two program sources side by side with the ability to smoothly zoom in on one picture and listen to the program in the selected window.
- ◆ Discrete IR Codes are available for use with installations where control systems are used with the Control-S (In/Out) or front IR sensor. In addition, users may select from the Onscreen Display (OSD) a setting to fix the input to maintain its current setting.

Flexible Inputs

- ◆ The displays come ready to work with a wide array of video devices or PC applications. Inputs include support for analog and digital HD video (using component to HD15 cable, or DVI-D cable with HDMI to DVI-HDCP), as well as PC input, using HD15 (RGB/YUV) or DVI-HDCP inputs.
- ◆ They are also capable of using compatible Sony expansion cards for additional inputs or networking control. The display has two available card slots, with one populated with a Composite (BNC) / S-Video input card with shared L/R audio input.
- ◆ RS232 port and serial control available for advanced installations.

Multi Display

- ◆ Building a video wall? Don't pay thousands of dollars for external display processors! They feature an Automatic Video Wall Set Up Mode for up to 16 panels.
- ◆ The displays can be set used as a video wall segment right out of the box. Simply select the desired matrix size from the choices of 2x2, 3x3 or 4x4.
- ◆ Next, use the remote control to indicate on the matrix graphic what position in the video wall puzzle this TV will occupy.

Conveniences

- ◆ User-selected screen saver adds a signal monitor that identifies a static image on the screen that can cause permanent image retention. If the display senses this static video image for several minutes, it will automatically dim the display brightness to reduce the potential effect of permanent image retention.
- ◆ Other screen saver modes include Background, Multi-Mode Picture Orbit, Picture Inversion, Power Save, Smart Fan Technology, Timers and White screen.
- ◆ Included accessories make a difference for easy installations, which is why Sony includes a 10' component (Y/Pb/Pr) to HD15 cable for connecting digital cable or satellite receivers. Also included is a DVI-D cable for versatile digital connections.
- ◆ Cable management system conceals wires and cables, keeping the back looking streamlined and uncluttered.
- ◆ Low power consumption and long-life panel delivers hours of use to keep total cost of ownership low. Also features anti-glare and anti-reflective screen protectors.
- ◆ Selectable color temperature modes include Cool, Neutral, and Warm. Selectable picture modes include Custom (3), Vivid and Standard.

FWD-42PX2 • FWD-50PX3

	FWD-42PV1	FWD-42PX2	FWD-50PX3
Screen Size (measured diagonally)	42-inch	42-inch	50-inch
Resolution	852 x 480	1024 x 768	1366 x 768
Pixel Pitch	1.08 x 1.08 mm	0.90 x 0.676 mm (non-square)	0.86 x 0.81 mm
Panel Type	AC-Type Plasma Display Panel	AC-Type Plasma Display Panel	AC-Type Plasma Display Panel
Contrast Ratio	10,000:1	10,000:1	10,000:1
Brightness	500cd/m ²	500 cd/m ²	450 cd/m ²
Audio Inputs	RCA (L/R), Stereo 1/8-inch (x2)	RCA (L/R)	RCA (L/R)
Audio Power Output	14W Stereo AMP (7W x 2 Digital AMP)		
Video Inputs	RGB/Component (HD-15), DVI-HDCP, Composite (BNC), Y/C (S-video)		
Video Output	Composite (BNC), Y/C (S-Video) Composite Out Loop Through		
Remote Control	Fully discrete RS232C and Multi-Function Remote		
Color Temperature Control	Discrete Control RGB		
Image Retention Protection	Multi-Mode Picture Orbit/Picture Inversion/White Screen/Timers/Power Save/Auto WideMode/Background/Smart Fan Technology/Auto Dimming Function		
Speakers	Optional		
Screen Protector	Anti-Glare/Anti-Reflective		
Mount Design	Portrait Model FWD-42PV1P/B Only	Landscape or Portrait	Landscape or Portrait
Picture in Picture / Picture and Picture			
Dimensions (W x H x D)/ Weight		40.7 x 24.8 x 4.8" / 66.2 lbs.	49.4 x 29.6 x 4.4" / 94.6 lbs.

FWD-42PX2 & FWD-50PX3 ACCESSORIES

Hospitality Clone Device (Mfr # EBSSP15 • B&H # SOEBSSP15)

A stand-alone TV tuner with hotel networking, that works with the displays, the Hospitality Clone Device is suitable for home use, recreation vehicles, corporate, campus, conference rooms, and hotels. It provides connection to cable and over the air broadcasts (181 channel CATV Tuner), and has internal Picture-in-Picture capability. It also allows connectivity to all major hotel VOD systems (OnCommand, LodgeNet, Hospitality Network, and others).....**654.95**



External High-Definition TV Tuner (Mfr # EBSSP35 • B&H # SOEBSSP35)



Built specifically for hospitality environments, this tuner is fully capable of VOD (Video On Demand) applications such as Pay-Per-View, LodgeNet,

OnCommand, nStreams, and Guest-Tek.....**523.95**

Internal High-Definition TV Tuner (Mfr # ICSSP30 • B&H # SOICSSP30)

Designed for hospitality environments where video on-demand (VOD) is needed. The tuner is Pro:Idiom compliant as well as being compatible with LodgeNet, OnCommand, nStreams, Guest-Tek, and many more.....**523.95**



High-Definition Streaming Card (Mfr # ICSFW40D • B&H # SOICSF40D)

The ICS-FW40D Network Media Player provides an affordable and flexible method for High Definition MPEG4/2, H.264, WM9 streaming media delivery. The ICS-FW40D supports both real time streaming from a centralized data source or localized playback from the unit's internal 60GB hard drive. The FW40D's integrated playlist feature allows advanced scheduling of media and display control without interaction from an external source. Play lists may contain a mixture of remote and local video files, audio files, or graphics files. In addition, play lists can contain control functions for the display such as switching inputs and turning the display on/off. The ICS-FW40D's embedded web server provides a convenient way for configuration and control of the unit via standard internet browser located anywhere on the network. Additionally, the ICS-FW40D's RS-232 port can be controlled via device specific web pages. Display Commander provides a convenient method for control, status, and media distribution to a large number of ICS-FW40Ds from a single centralized Windows application. Display Commander provides advanced scheduling, grouping, and drag and drop playlist creation and management**999.95**



LCD & PLASMA ACCESSORIES

Optional Interface Boards



Component/RGB Interface Board
Enables the FWD-series displays to receive component (5x BNC) signals. The audio input is realized via L/R phone jack (L/R).
(Mfr # BKMFW11 • B&H # SOBKMFW11) **149.00**



RGB/Component Active Through Board
This card provides 15-pin input and loop output connectors so that multiple monitors can be fed the same computer/video signal allowing a loop function to be created. The audio input is realized via a single audio-in.
(Mfr # BKMFW12 • B&H # SOBKMFW12) **149.00**



Speakers

Custom designed stereo speaker sets specifically designed for Sony plasma and LCD monitors. The speakers are available in different colors and match the design of the monitor for a clean, finished appearance.

Black (Mfr # SSSP32FW/B • B&H # SOSSP32FWB) or Silver (Mfr # SSSP32FW/S • B&H # SOSSP32FWS) speakers for FWD-32LX2F monitor **229.95**

Black speakers for FWD-42PV1 and FWD-42PX2 monitors.
(Mfr # SSSP42FW/B • B&H # SOSSP42FWB) **259.95**

Silver speakers for FWD-42PV1 and FWD-42PX2 monitors.
(Mfr # SSSP42FW/S • B&H # SOSSP42FWS) **229.95**

Black (Mfr # SSSP40FW/B • B&H # SOSSP40FWB) or Silver (Mfr # SSSP40FW/S • B&H # SOSSP40FWS) speakers for FWD-40LX2F monitor **249.95**

Black speakers for FWD-50PX2 monitor.
(Mfr # SSSP50FW/B • B&H # SOSSP50FWB) **239.95**

Silver speakers for FWD-50PX2 monitor.
(Mfr # SSSP50FW/S • B&H # SOSSP50FWS) **275.00**

Networking Options

Optional network cards and boxes let you centrally control, deliver and troubleshoot digital content across a standard IP network to one or hundreds (up to 255) of networked displays.

Network Management Card (Mfr # BKMFW32 • B&H # SOBKMFW32)
Fits into the FWD-series displays and provide status and control via IP. The card provides network status and control functions, for use with Sony's PJNet! software program (sold separately), for a centralized "command" center, which connects up to 255 networked devices including Sony's flat-panel displays and LCD projectors **439.95**



Network Media Card (Mfr # BKMFW50 • B&H # SOBKMFW50)
Provides status and control via IP, as well as streaming video and media. Create content on your PC for use on the card with industry standard development languages/applications such as HTML, Photoshop, Microsoft Movie Maker and other Windows applications. A CompactFlash memory slot inside the monitor enables JPEG images and MPEG movies to be displayed in slideshow mode, for local playback for users who do not wish to stream content **584.95**



Network Streaming Box (SOEBSN200): Another key benefit of the displays is their ability to remotely monitor and control them and send content across a standard IP network. Sony's integrated network box enables network status and control to monitor and troubleshoot multiple devices from a central location. Additionally, it provides the ability to stream MPEG video, access the Web and present remote desktop applications across a standard IP network. Users can continuously loop feeds from internal sources, such as proprietary, in-house programming **739.95**



- SFM-1: Flat Wall Mount** (Mfr # SFM1 • B&H # SOSFM1) **179.95**
- SFM-2: Flat Wall Mount** (Mfr # SFM2 • B&H # SOSFM2) **154.95**
- SFM-3: Flat Wall Mount** (Mfr # SFM3 • B&H # SOSFM3) **173.95**

PLP-91/D: Automatic Tile Wall Mount (Mfr # PLP-91/D • B&H # SOPLP91D) **219.95**

SPM-TRI/C: Tabletop stand with clear acrylic base (Mfr # SPM-TRI/C • B&H # SOSPMTIC) **284.50**

SPM-TRI/E: Tabletop stand with silver base (Mfr # SPM-TRI/E • B&H # SOSPMTIE) **249.95**

FWD-42PX2 shown with optional speakers and tabletop stand with clear acrylic base



Display Model	SFM-1 Flat Wall Mount	SFM-2 Flat Wall Mount	SFM-3 Flat Wall Mount	PLP-91/D Wall Mount	SPO-M1 Wall Mount	SPM-TRI/C Tabletop stand	SPM-TRI/E Tabletop stand
FWD-32	✓	✓	—	✓	✓	✓	✓
FWD-40	✓	—	✓	✓	✓	✓	✓
FWD-42	✓	—	✓	✓	—	✓	✓
FWD-50	—	—	✓	✓	—	✓	✓
KLH-W32	✓	—	—	—	✓	—	—

LCD-410 • LCD-411

4" Field Monitors

The LCD-410 is a 4" portable active matrix LCD monitor featuring 383 x 234 resolution. It can input composite video (with automatic NTSC/PAL signal recognition) via RCA connector along with audio, and has a built-in speaker. The LCD-411 is the same except it has no audio input and features a composite video input with BNC connector. They both feature tint, color and brightness controls. LED backlight provides longer life, uses less power and provides better color saturation. The monitors include a AA battery holder and are powered by 8 alkaline or 9 nicad AA batteries. They can also be powered via AC with the optional AC1000 AC adapter or via 12v DC with the optional DC-12 adapter. Using the optional DC-12D, two monitors can be powered from a 12v power supply.



- LCD-410** (Mfr # LCD410 • B&H # TOLCD410) 4" portable LCD monitor with audio, AA battery case.....**289.95**
- LCD-411** (Mfr # LCD411 • B&H # TOLCD411) 4" portable LCD monitor with AA battery case**309.95**
- LCD-410 Kit** (Mfr # LCD410KIT • B&H # TOLCD410K): Includes LCD-410 monitor with audio, tote bag with sun shield and AC-1000 AC adapter.....**374.95**
- LCD-411 Kit** (Mfr # LCD411KIT • B&H # TOLCD411K): Includes LCD-411 monitor, tote bag with sun shield and AC-1000 AC adapter**374.95**
- AC1000** (Mfr # AC1000 • B&H # TOAC1000): 110v AC power adapter for the LCD-410/411.....**15.95**
- BP-410** (Mfr # BP410 • B&H # TOBP410): Clip-on AA battery pack (alkaline or nicad) for LCD-410/411.....**29.95**
- TB-410** (Mfr # TB410 • B&H # TOTB410): Tote Bag with Sun Shield for the LCD-410/411.....**29.95**

LCD-400X4 Quad 4" LCD Monitors in Rackmount



The LCD-400X4 consists of four 4" high resolution (480 x 234) LCD monitors in a standard 19" rack mount bracket. The rack-mount can tilt 90° and is only 2RU high. LED backlight provides longer life, uses less power and provides better color saturation. A single power supply runs all four units. Each monitor has a composite video BNC input with automatic NTSC/PAL detection and BNC output. In addition, each monitor features adjustable

controls for tint, color, contrast and brightness, and each has three easy to see color tally lights. (Mfr # LCD-400X4 • B&H # TOLCD400X4)..... **1099.95**

LCD-562 • LCD-565 5.6" Field Monitors

The LCD-562 is a 5.6" portable active matrix LCD monitor featuring 960 x 234 resolution. It can input composite video (with automatic NTSC/PAL signal recognition) via RCA connector along with audio, and has a built-in speaker. The LCD-565 is the same except it has no audio input and features a composite video input with BNC connector.

They both feature tint, color and brightness controls. An LED backlight provides longer life, uses less power and provides better color saturation. The monitors include a AA battery holder and are powered by 8 alkaline or 10 nicad AA batteries. They can also be powered via AC with the optional AC2000 AC adapter or via 12v DC with the optional DC-12 adapter. Using the optional DC-12D, two monitors can be powered from a 12v power supply.



- LCD-562:** 5.6" Portable LCD Monitor with Audio, AA Battery Case and AV Cables (Mfr # LCD-562 • B&H # TOLCD562)**379.95**
- LCD-562 Kit:** 5.6" Portable LCD Monitor with Audio, AA Battery Case, Sunshade, Case and AC Adapter (Mfr # LCD-562 KIT • B&H # TOLCD562K).....**399.95**
- LCD-565:** 5.6" Portable LCD Monitor with Audio, AA Battery Holder (Mfr # LCD-565 • B&H # TOLCD565)**399.95**
- LCD-565 Kit:** 5.6" Portable LCD Monitor with Audio, AA Battery Holder, AC Adapter and Carry Case (Mfr # LCD-565 KIT • B&H # TOLCD565K)**454.95**
- AC2000:** 110v AC Power Adapter for the LCD-562/565. (Mfr # AC2000 • B&H # TOAC2000)**18.95**
- BP-565:** Clip-on AA Battery Pack (alkaline or nicad) for LCD-562 and LCD-565 (Mfr # BP-565 • B&H # TOBP565)**29.95**
- TB-562:** Tote Bag with Sun Shield: for the LCD-562/565 (Mfr # TB562 • B&H # TOTB562)**54.95**

LCD-640 KIT

6.4" Field Monitor with Audio

The LCD-640 is a 6.4" high resolution (960 x 234) active matrix LCD monitor for camera mount or location monitoring. Advanced TFT technology allow for a very broad range of viewing angles. It has composite video (BNC) input with automatic NTSC/PAL detection along with audio, and has a built-in speaker. It offers control of brightness, color, contrast and hue, and has an invert switch that allows images to be flipped upside-down with a button-push. Designed to be mounted on top a video camera for easy and accurate scene monitoring, a 1/4-20 mounting point accepts a huge variety of adapters, articulated arms and even little tripods so the LCD-640 can be used just about anywhere. Optional accessories include a flat bottom desk stand, wall mount bracket and a 12v cigarette lighter adapter cable for DC power.

LCD-640 Kit : Includes LCD-410 Monitor with Audio, Tote Bag with Sun Shield and AC-1000 AC Adapter (Mfr # LCD-640KIT • B&H # TOLCD640KIT)**599.95**



LCD-640
shown with
optional
MB-1 Stand

LCD-560X3

Triple 5.6" LCD Monitors in Rackmount



The LCD-560X3 is three 5" high resolution LCD monitors in a standard 19" rack mount bracket. Each monitor displays 960x234 pixels and is NTSC/ PAL compatible with an auto detection. The rackmount can tilt to make the viewing angle more comfortable. Each monitor has composite (BNC) and S-Video inputs on the rear panel. The monitors each can loop output the same signal via a secondary connector. Each monitor also features adjustable image controls including tint, color, contrast and brightness. Each monitor can be rigged to display any one

of three different color tally indicators. The tally light wires connect to the rear panel of the unit.

LCD-560X3: Triple 5.6" LCD Monitors in Rackmount (Mfr # LCD-560X3 • B&H # TOLCD560X3)**1099.95**

LCD-560X3S: Same as above with SDI inputs (Mfr # LCD-560X3 • B&H # TOLCD560X3)**2409.95**

LCD-703HD

High Definition 7" Widescreen LCD Monitor

The LCD-703HD features a completely digital TFT LCD high resolution (800x 480) screen and excellent color reproduction. Analog signals are digitized using an advanced 10-bit process with 4x over sampling and adaptive 5-line comb filter plus exacting color space conversion. Video is scaled to fit on screen in the highest resolution using a state of the art Triple gate technology LCD panel that incorporates precision Gamma correction to project the best images available. Additional features include, three color LED tally, setup memory, Blue Gun, RS-232 serial port, and on screen menu access for all adjustment and selection functions.

- ◆ Inputs include composite (BNC) with automatic PAL/NTSC detection and BNC loop output, S-Video, DVI, HD/SD analog component (BNC x3) with BNC loop out, and RS-232.
- ◆ Durable metal enclosure with VESA and 1/4-20 mounting holes
- ◆ Anti-reflective/anti-glare coated TFT LCD
- ◆ 100% digital processing high resolution scaling of all images
- ◆ 300:1 contrast ratio, 350 cd/m2 brightness and wide 130° viewing radius for superior visibility
- ◆ Video loss detect, Under scan feature
- ◆ 4:3 and 16:9 aspect ratios
- ◆ Easy to see three color TALLY indicators
- ◆ Blue Screen for color adjustment
- ◆ Adjustment Settings Memory
- ◆ Includes ¼-20 mounting pad
- ◆ Runs 6 hours on optional BP-563 2600MAH rechargeable battery



LCD-703HD: 7" LCD Field Monitor (Mfr # LCD-703HD • B&H # TOLCD703HD)**629.95**

LCD-703HD1 7" LCD Rackmount System (Mfr # LCD-703HD1 • B&H # TOLCD703HD1)**714.95**

LCD-703HD2: 7" Dual LCD Rackmount System (Mfr # LCD-703HD2 • B&H # TOLCD703HD2)**1289.95**

LCD-800 SERIES

8" LCD Monitors

Available in four versions for different applications, the LCD-800 series are professional 8-inch LCD monitors that feature 1440 x 234 pixel resolution and ant-glare coating for very high quality images. They support both composite and S-Video signals (NTSC/PAL with auto detection) and have a back-light dimmer control feature for tailoring the look to your ambient lighting conditions. For added convenience, they include a wireless remote control, and offer mirror image and upside-down image features for speciality applications like rear-view camera display.

LCD-800: 8" LCD monitor for CCTV applications. Housed in a metal case (no audio) with built-in Vesa-compliant (75mm) interface for wall or arm mounting. Includes AC Adapter and wireless remote control (Mfr # LCD-800 • B&H # TOLCD800)**666.95**

LCD-800D: Two LCD-800 monitors in a standard 19" rackmount kit (4RU high) (Mfr # LCD-800D • B&H # TOLCD800D)**1254.95**

LCD-800L: LCD-800 with flush mount kit (for mounting in a wall) (Mfr # LCD-800L • B&H # TOLCD800L) **648.95**

LCD-801: Same as the LCD-800 except housed in an ABS plastic housing and adds an On/Off feature to save power, and a keylock function that allows the front control buttons to be disabled. Includes AC Adapter, wireless remote control and MB-2 Desk Stand and Wall Mount Bracket. (Mfr # LCD-801 • B&H # TOLCD801)**589.95**



LCD-841D

Dual 8.4" Rackmounted LCD Monitor

The LCD-841D includes two high resolution (800 x 600) 8.4" LCD monitors with 2 composite (BNC) video inputs/outputs, S-Video and analog RGB (15-pin) inputs in a space-saving, 90° tiltable, 4RU high rackmount. NTSC/PAL compatible with automatic detection, the screens incorporate active matrix technology to eliminate distortion and allow for clear viewing even from angles off center. Response time is 15ms/25ms (rising/falling). Each monitor has

individual front mounted direct source selector buttons, built-in color bar generator, underscan capability, self-powered 3-color tally system is provided for each monitor. Built-in scaler accepts 640x480, 800x600, 1024x768, 1152x864, and 1280x1024 computer inputs. Active loop through feature is always on as long as power is on. Built-in memory saves current setup when unit is powered down. Included switching power supply powers both monitors.

LCD-841D: Dual 8.4" LCD Monitors in Rackmount (Mfr # LCD-841D • B&H # TOLCD841D)**1769.95**

LCD-1044T Series 10.4" TV/Video LCD Monitors

Available standalone with removable desktop stand, or for custom wall or ceiling installation, the LCD-1044T is a 10.4" television/video LCD monitor made of durable black ABS plastic. It features a cable ready TV tuner, front panel stereo speakers and two headphone jacks for easy listening, and front panel buttons for brightness, contrast, tint, H/V position, saturation, sharpness, channel and volume. Inputs include NTSC/PAL composite video (RCA) and cable television. An RF connector is provided for use with a TV antenna as well.

LCD-1044T: 10.4" LCD Monitor with TV Tuner and Speakers (Mfr # LCD-1044T • B&H # TOLCD1044T)**569.95**

LCD-1044TC: Same as LCD-1044T with custom 4-way adjustable counter mount and all cables concealed (Mfr # LCD-1044TC • B&H # TOLCD1044TC)**799.95**

LCD-1044TL: Same as LCD-1044T in flush mount kit (Mfr # LCD-1044TL • B&H # TOLCD1044TL)**642.95**

LCD-1044TU: Same as LCD-1044T with custom ceiling mount and RF/CD cables hidden (Mfr # LCD-1044TU • B&H # TOLCD1044TU)**839.95**

LCD-1044TW: Same as LCD-1044T with custom wall mount and RF/CD cables hidden (Mfr # LCD-1044TW • B&H # TOLCD1044TW)**649.95**



LCD-1042VB/1211VB • LCD-1042TS/1211TS

10- and 12" Sunlight Readable LCD Monitors • 10- and 12" Touchscreen LCD Monitors

The LCD-1042VB (10") and LCD-1211VB (12") are high-quality active matrix LCD monitors made of durable steel for custom installations. They feature panels rated at 1200 and 1250 NIT brightness (respectively)—outputting enough light to be seen clearly in direct sunlight. They are equipped with composite (BNC), S-Video and RGB (15-pin) inputs. On-screen menu system offers adjustments for brightness, contrast, backlight and hue. Built-in VESA-compliant (75mm) interface for wall or arm mounting.

The LCD-1042TS (10") and LCD-1211TS (12") are exactly the same as the LCD-1042VB and LCD-1211VB (respectively) except they have incorporate a Touchscreen for interactive and custom installations. Touchscreen function makes menu navigation easier. The user can call up menu items and control their levels or functions by simple on-screen "buttons". They include PenMount Touchscreen drivers, RS-232 and VGA cables.

All four monitors are designed for mounting anywhere. There are optional fixed wall mount bracket as well as a wall mount with swing arm, and an under the cabinet hinge mount bracket.



LCD-1042VB

LCD-1042VB: 10.4" Sunlight Readable LCD Monitor (no audio) (Mfr # LCD-1042VB • B&H # TOLCD1042VB)	1309.95
LCD-1211VB: 12.1" Sunlight Readable LCD Monitor (no audio) (Mfr # LCD-1211VB • B&H # TOLCD1211VB)	1379.95
LCD-1042TS: 10.4" Touch Screen LCD Monitor for Kiosks and other Custom Installations (Mfr # LCD-1042TS • B&H # TOLCD1042TS)	1627.50
LCD-1211TS: 12.1" Touch Screen LCD Monitor for Kiosks and other Custom Installations (Mfr # LCD-1211TS • B&H # TOLCD1211TS)	CALL



LCD-1510V

LCD-1510V

15.1" LCD Monitor for Desk Top/Custom Installation

Encased in durable ABS plastic, the LCD-1510V is a 15" LCD monitor with HD (480p/720p) capability. It features a 15-pin VGA input to display computer signals up to 1024 x 768 as well as inputs for component, composite (BNC and RCA) and S-Video (NTSC/PAL) signals. There are also stereo audio inputs and two speakers. A picture-in-picture function can display computer and video images on the screen simultaneously. Hot key allows toggling between composite, S-Video and PC modes. RS-232 input allows serial control from an external device. Has on-screen display for brightness, contrast, backlight, hue and volume. Supplied with a removable desk stand that tilts, an optional flush-mount kit, a surface wall mount kit and a swing-arm monitor mount are also available.

LCD-1510V 15.1" Monitor for Desk Top/Custom Installation (Mfr# LCD-1510V • B&H# TOLCD1510V)	769.95
LM-1510V Flush Mount for LCD-1510V (Mfr # LM-1510V • B&H # TOLM1510V)	113.50

LCD-1540HD SERIES

15.4" HD Widescreen LCD Monitors

15.4" active matrix, high definition (480p, 720p and 1080i) widescreen (16:9) LCD monitors. Available in desktop, flush mount and rackmount configurations, it features VGA (15-pin), stereo audio, two composite (RCA), S-Video and component (RCA x3) inputs, and two composite video (RCA) outputs. There is also composite video (BNC) input with loop out, and RS-232 port for external remote control. Has underscan capability and on-screen display for brightness, contrast, backlight, hue and volume. Fast 16ms response time and anti-glare surface treatment for enhanced viewing. Made of durable metal, the LCD-1540HD includes a removable desk stand and remote control. Built-in VESA-compliant 75mm interface for wall or arm mounting.

LCD-1540HD: 15.4" HD LCD Monitor (Mfr # LCD-1540HD • B&H # TOLCD1540HD)	729.95
LCD-1540HDL: Same as LCD-1540HD in flush mount kit (Mfr # LCD-1540HDL • B&H# TOLCD1540HDL)	759.95
LCD-1540HDR: with ceiling mount & RF/CD cables hidden (Mfr# LCD-1540HDR • B&H# TOLCD1540HDR) ..	729.95



LCD-1540HD

LCD-1700V • LCD-1900V

17-and 19" LCD Monitors

Encased in durable ABS plastic, the LCD-1700V (17") and LCD-1900V (19") are professional quality, active-matrix LCD monitors for use on the desk or wall mounting. They feature anti-reflective coating for maximum viewing comfort. A picture-in-picture function can display computer and video images on the screen simultaneously. Hot key allows toggling between composite, S-Video, component and PC modes. They have on-screen displays for brightness, contrast, backlight, hue and volume. They include a removable desk stand and have a built-in VESA-compliant 100mm interface for wall or arm mounting. They are also available in rackmount and touchscreen configurations.

The LCD-1700V features 9-pin component input, BNC composite video in/out, 3.5mm stereo audio input, RCA composite video input, RCA L/R audio input, S-Video input, DVI (22-pin) with DVI/VGA cable, and RS-232 input. Includes 100-240v AC (auto-sensing), 50/60Hz power supply.

The LCD-1900V features VGA 15-pin input, 9-pin component input, BNC composite video in/out, RCA composite video input, S-Video input and 3.5mm stereo audio input.



LCD-1900V

LCD-1700V Standalone unit (Mfr# LCD-1700V • B&H# TOLCD1700V).....**849.95**

LCD-1700VR Same as the LCD-1700V in a 90° tilting 19" rackmount (8RU high) (Mfr# LCD-1700VR • B&H# TOLCD1700VR).....**1059.95**

LCD-1703VRZ Same as the LCD-1700V in a 19" rackmount (1RU high) with keyboard (Mfr# LCD-1703VRZ • B&H# TOLCD1703VRZ).....**Call**

LCD-1700TS: w/ELO touchscreen (Mfr# LCD-1700TS • B&H# TOLCD1700TS)...**1339.95**

LCD-1700VRTS: w/touchscreen (Mfr# LCD-1700VRTS • B&H# TOLCD1700VRTS)..**1643.50**

LCD-1900V Standalone unit (Mfr# LCD-1900V • B&H# TOLCD1900V).....**999.95**

LCD-1900VR: Same as the LCD-1900V in a 90° tilting 19" rackmount (9RU high) (Mfr# LCD-1900VR • B&H# TOLCD1900VR).....**1499.95**

LCD-1900VRQ: with built-in quad splitter and sequential switcher with individual color control for each of 4 cameras; view any of 4 views in full screen. (Mfr# LCD-1900VRQ • B&H# TOLCD1900VRQ).....**CALL**

LCD-1900VRTS: w/touchscreen (Mfr# LCD-1900VRTS • B&H# TOLCD1900VRTS)..**2045.95**



LCD-1703VRZ

17" LCD Monitor in a 19" Rackmount Kit

A 17" LCD monitor for space efficient rack mount installations. It is housed in a 1 rack-unit height drawer and pulls out for viewing. It features anti-reflective coating for maximum viewing comfort. A picture-in-picture function can display computer and video images on the screen simultaneously. Hot key allows toggling between composite, S-Video, component and PC modes. It has on-screen displays for brightness, contrast, backlight, hue and volume. Monitor turns on or off automatically when tilted up/down.

LCD-1703VRZ (Mfr# LCD-1703VRZ • B&H# TOLCD1703VRZ)

17" LCD monitor in 19" Rackmount with Keyboard.....**1699.95**

LCD-1901HD • LCD-1901HDL • LCD-1901HDR

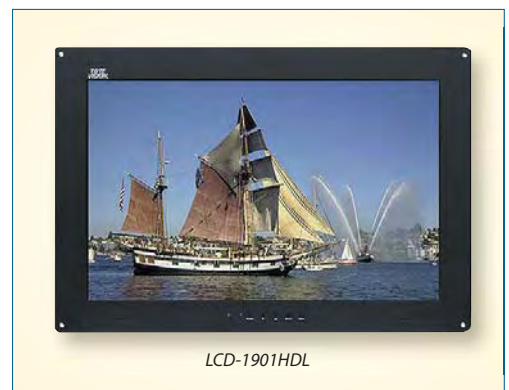
19" HD Widescreen LCD Monitors

The LCD-1901HD (desktop), LCD-1901HDL (flush mount) and LCD-1901HDR (rackmount) are 19" active matrix, high-definition (480p, 720p and 1080i) widescreen (16:9) LCD monitors. They offer a wide 130° viewing angle and feature VGA (15-pin), stereo audio, two composite (RCA), S-Video and component (RCA x3) inputs, and two composite video (RCA) outputs. There is also composite video (BNC) input with loop out, and RS-232 serial port for external remote control. They have underscan capability and on-screen display for brightness, contrast, backlight, hue and volume. Fast 16ms response time and anti-glare surface treatment provides enhanced viewing pleasure. Made of durable metal, they include a remote control.

LCD-1901HD 19" High Definition Desk-Mounted LCD Monitor (Mfr # LCD-1901HD • B&H # TOLCD1901HD).....**899.95**

LCD-1901HDL 19" High Definition Flush-Mounted LCD Monitor (Mfr# LCD-1901HDL • B&H# TOLCD1901HDL).....**894.50**

LCD-1901HDR 19" High Definition Rack-Mounted LCD Monitor (Mfr# LCD-1901HDR • B&H# TOLCD1901HDR).....**889.95**



LCD-1901HDL

LCD-2002V • LCD-2003

20" LCD Monitors

The LCD-2002V and LCD-2003 are 20" desktop LCD monitors with stereo audio, component (9-pin), composite (RCA), and S-Video inputs with NTSC/PAL automatic detection. Hot key and wireless remote control allow toggling between video input signals. On-screen display for brightness, contrast, backlight, hue and PiP setup. Encased in durable black ABS plastic with anti-glare hard coated glass surface, they have dual built-in front speakers for easy listening, built-in removable deskstand, removable handles for easy portability, and switching 90-240v, 50/60Hz AC power supply. For added convenience, they also offer a headphone jack and built-in VESA-compliant 100mm interface with proper cable exiting for wall or arm mounting. Otherwise the same, the LCD-2002V adds a 24-pin DVI-D input and cable for computer connection.

LCD-2002V (Mfr # LCD-2002V • B&H # TOLCD2002V)

20" LCD Monitor with 24-pin DVI-D input and cable**859.95**

LCD-2002VL (Mfr # LCD-2002VL • B&H # TOLCD2002VL)

Same as above in flush mount.....**1049.95**

LCD-2003 (Mfr # LCD-2003 • B&H # TOLCD2003)

Same as 2002V except without RGB.....**799.95**

LCD-2003L (Mfr # LCD-2003L • B&H # TOLCD2003L)

Same as above in flush mount**919.95**



LCD-2007HDT

20" Widescreen High-Definition LCD Monitor

A 20" active matrix, high definition (480i/p, 720p and 1080i) widescreen (16:9) LCD monitor with ATSC TV tuner. It features composite (NTSC/PAL auto sensing), S-Video, component, and analog RGB input. Encased in durable black ABS plastic with an anti-glare hard coating covering the glass surface. There is a zoom function, supplied wireless remote control and dual built-in front speakers for easy listening. Connections included AV (RCA), S-Video, component (RCA x3) and stereo audio inputs. There is also a 15-pin D-sub computer input. Includes a removable desk stand and has a built-in VESA-compliant 100mm interface and proper cable exiting for wall or arm mounting.

LCD-2007HDT (Mfr # LCD-2007HDT • B&H # TOLCD2007HDT)

20" Widescreen HD monitor**899.95**

LCD-2007HDTL (Mfr # LCD-2007HDTL • B&H # TOLCD2007HDQ)

Same as above, except with flush mount kit**1058.95**

LCD-2300HD

23" Widescreen High Definition LCD Monitor

The LCD-2300HD is a 23" active matrix, high definition (480i/p, 720p and 1080i) widescreen (16:9) LCD monitor with a 500:1 contrast ratio. It features composite (NTSC/PAL auto sensing), S-Video, component, analog RGB, HDMI and DVI inputs. Also has RS-232 port allowing it to be controlled from an external device. It has picture-in-picture capability and two built-in speakers (10w + 10w) provide 3D MTS stereo and superior listening pleasure. Encased in durable silver ABS plastic with an anti-glare hard coating for enhanced viewing. Supplied wireless remote control works from up to 30' away. Includes a built-in removable desk stand and 100-240v AC, 50/60 Hz switching power supply.

LCD-2300HD 23" HD LCD Monitor (Mfr # LCD-2300HD • B&H # TOLCD2300HD)**827.95**

Wall Mount Kit for LCD-2300HD: This "fixed" mounting solution offers no tilting or side-to-side adjustment. (Mfr # WM-3018VT • B&H # TOWM018VT)**59.95**



LCD-2600HD • LCD-3200HD

26- and 32" Widescreen High Definition LCD Monitors

The 26" LCD-2600HD and 32" LCD-3200HD are active matrix, high definition (480i/p, 720p and 1080i) widescreen (16:9) LCD monitors with an 800:1 contrast ratio. They feature composite (NTSC/PAL auto sensing), S-Video, component, analog RGB, HDMI and DVI inputs. They also feature picture-in-picture capability and an RS-232 port allows them to be controlled from an external device.

Encased in durable black ABS plastic with an anti-glare hard coating for enhanced viewing, supplied wireless remote control works from up to 30' away. They also include a built-in removable desk stand.

The LCD-2600HD has two built-in speakers (10w + 10w) to provide 3D MTS stereo and superior listening pleasure. The LD-3200HD has two detachable speakers providing 3D MTS stereo.



- LCD-2600HD** 26" HD LCD Monitor (Mfr # LCD-2600HD • B&H # TOLCD2600HD)**914.95**
- LCD-3200HD** 32" HD LCD Monitor (Mfr # LCD-3200HD • B&H # TOLCD3200HD)**1089.95**
- LCD-3200HDL** Same as above, except with flush mount kit (Mfr # LCD-3200HDL • B&H # TOLCD3200HDL)**1314.95**
- Wall Mount Kit for LCD-2600HD/3200HD:** This "fixed" mount offers no tilting or side-to-side adjustment. (Mfr # WM-3018VT • B&H # TOWM3018VT).....**59.95**

LCD-3700HD • LCD-4000HD • LCD-4200HD • LCD-4700HD

37-, 40-, 42- and 47" True (1080p) HD Monitors



The 37" LCD-3700HD, 40" LCD-4000HD, 42" LCD-4200HD and 47" LCD-4700HD offer true 1920 x 1080 HD resolution without down scaling. Contrast ratio is 800:1 on the LCD-3700HD, and 1000:1 on the others. They feature composite (NTSC/PAL auto sensing), S-Video, component, analog RGB, HDMI and DVI inputs. They also have an RS-232 port allowing control from an external device. They have picture-in-picture capability. Absence of video oscillations and user selection of color temperature (6500°, 7500° 9300°) provides enhanced viewing pleasure.

The LCD-3700HD has two external side speakers, the other monitors have two built-in rear speakers (10w + 10w) providing 3D MTS stereo and superior listening pleasure. All except the LCD-3700HD also incorporate SRS technology to provide a surround sound experience. Encased in durable silver ABS plastic with an anti-glare hard coating for enhanced viewing they

have top controls for volume, source and menu. Supplied wireless remote control works from up to 30" away. They all include a built-in removable desk stand and 100-240v AC, 50/60Hz switching power supply.

- LCD-3700HD** 37" HD LCD Monitor (Mfr # LCD-3700HD • B&H # TOLCD3700HD)**1824.95**
- LCD-4000HD** 40" HD LCD Monitor (Mfr # LCD-4000HD • B&H # TOLCD4000HD)**2176.50**
- LCD-4200HD** 42" HD LCD Monitor (Mfr # LCD-4200HD • B&H # TOLCD4200HD)**2312.95**
- LCD-4700HD** 47" HD LCD Monitor (Mfr # LCD-4700HD • B&H # TOLCD4700HD)**3158.95**
- Fixed Wall Mount Kit for LCD-3700HD to LCD-4700HD:** No tilting or side-to-side adjustment. (Mfr # WM-3742VT • B&H # TOWM3742VT)**114.95**
- Heavy Duty Wall Mount for LCD-4700HD:** Heavy duty dual arm wall mount -200 lb. limit (Mfr # WM-4700VT • B&H # TOWM4700VT)**398.95**

LM-401M • LM-701M

4- and 7" PAL/NTSC 4:3 LCD Monitors

Professional active matrix LCD displays with all-metal housing, the LM-401M (4") and LM-701M (7") feature high brightness, wide viewing angles, and two composite video inputs with automatic NTSC/PAL detection. With standard 1/4-20 mounting holes on the bottom panel, they are easily mounted on cameras or tripods. For special applications, the monitor's image can be horizontally reversed or vertically flipped. Mono audio input and headphone jack are provided for audio monitoring. Controls include color, brightness and contrast knobs.

They are powered by 12v DC or via the supplied AC adapter. Standard VESA mounting holes are provided on the rear panel of the LM-701M. The LM-701M also includes a tiltable sunshade for improved viewing in bright areas.

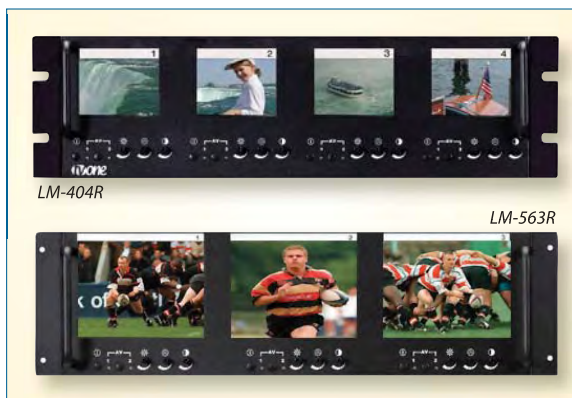
LM-401 (Mfr # LM401M • B&H# TVLM401M): 4" camera-mountable LCD monitor with 2 video inputs, measures 4.5 x 5.5 x 1.4" (WHD), weighs 1 lb.... **269.95**

LM-701 (Mfr # LM701M • B&H# TVLM701M): 7" LCD monitor, measures 5.3 x 7.6 x 1.4" (WHD), weighs 1.7 lb **429.95**



LM-404R • LM-563R

Rackmount Multi-LCD Monitors



The LM-404R (four 4") and LM-563R (three 5.6") are high performance color LCD monitors in unique rackmount (3RU high) housings that tilt up or down to optimize the viewing angle. This is particularly beneficial when circumstances necessitate that the monitors be mounted above or below normal eye level. All models feature high brightness active matrix LCD displays with wide viewing angles and excellent contrast ratios. They are flicker-free, low radiation, light weight, space saving and feature low power consumption. Each model is powered by a single 12v DC power source that can mount on the rear of the monitor housing for convenience. A universal AC Adapter is provided and is fitted with a locking DC plug for security of connection.

Each display is equipped with one S-Video and one composite video input (BNC with automatic NTSC/PAL detection. Controls for each individual display include brightness, contrast and color, as well as a Mirror Image Switch to horizontally reverse the image.

LM-404R Quad 4.0" Rackmount Monitor: Measures 5.25 x 19 x 3" (HxWxD), weighs 4.4 lbs. (Mfr # LM404R • B&H # TVLM404R)..... **1199.95**

LM-563R Triple 5.6" Rackmount Monitor: Measures 5.25 x 19 x 3" (HxWxD), weighs 4.4 lbs. (Mfr # LM563R • B&H # TVLM563R)..... **1399.95**

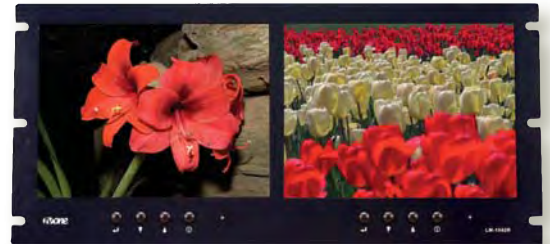
LM-1042R

Dual 10" Rackmount Multimedia LCD Monitors

A high performance dual 10.4" color LCD multimedia monitor (4:3) in a rackmount housing only 5 RU high. The high performance active matrix display features wide viewing angles, an excellent contrast ratio and high brightness. Each display has a looping composite video input (BNC) with automatic PAL/NTSC detection and a computer input via HD15 that handles PC resolutions up to SVGA. A universal AC Adapter is provided and is fitted with a locking DC Plug for security of connection.

For convenience, the adapter can mount on the rear of the monitor housing with the supplied bracket.

The optional LM-1042-EXP1 Input Expansion Module greatly extends the range of the computer input. It accepts PC resolutions up to SXGA, including WXGA, and all HDTV resolutions up to 1080i. The module can be used with either display. Up to two modules can be added, one for each display. The input resolution is automatically detected and can either be RGBHV, YPbPr or YCbCr format. In addition to PC and HDTV signals, the module can take interlaced Component Video. It has its own integral video processor to provide additional control over many signal parameters, such as R-G-B Levels and H-V Positioning. The module's output is connected to the monitor's PC input via an HD15 cable. Its 12v DC powered and a small In-Plug Power Adapter is included.



LM-1024R Dual 10.2" LCD Monitors, Rack Mountable, Mfr# LM1042R • B&H# TVLM1042R) **1749.95**

LM-1042-EXP1 HDTV/SXGA Adapter and Expansion Module for LM-1042R (Mfr# LM1042EXP1 • B&H# TVLM1042EXP1) **249.95**

LM-1511R • LM-1911R

15- and 19" Rackmount LCD Monitors



The LM-1511R (15") and LM-1911R (19") are high performance 4:3 color LCD monitors housed in unique rackmount housings that tilt up or down to optimize the viewing angle. This is particularly beneficial when circumstances necessitate that the monitors be mounted above or below normal eye level. Also included is an integrated swivel stand on the rear of both units to allow table top use if desired. Both models feature high brightness active matrix LCD displays with wide viewing angles and excellent contrast ratios. They are flicker-free, low radiation, space saving and feature low power consumption.

Both models have two composite and two S-Video inputs with automatic NTSC/PAL detection and dual stereo audio inputs/outputs (the composite video inputs are automatically terminated). A PC input is also provided and can accommodate resolutions up to XGA for the LM-1511R and SXGA for the LM-1911R. Built in speakers driven by 2 watt amplifiers provide stereo audio monitoring capabilities. Their menus contains all the necessary controls to adjust contrast, brightness, color, hue and other parameters necessary for optimum monitor performance. Results of these adjustments can be viewed via the OSD. Integrated swivel stand allows tabletop use.

LM-1511R 15" Professional LCD Monitor, with Rack Mount Hardware and Integral Table Stand (Mfr # LM1511R • B&H # TVLM1511R) **1099.95**

LM-1911R 19" Professional LCD Monitor, with Rack Mount Hardware and Integral Table Stand (Mfr # LM1911R • B&H # TVLM1911R) **1249.95**

PN-465U • PN-525U • PN-655U

46-, 52- and 65" Professional High-Definition LCD Monitors

Sharp's HD LCD monitors offer true 1920 x 1080 resolution for digital signage and industrial display applications. They are equipped with both digital and analog inputs as well as the capability of interfacing directly with computers. Developed for commercial use, they offer proprietary and application specific features, unparalleled performance, outstanding image quality and reliability.



- ◆ Proprietary technology contributes to crisp text, virtually no burn-in, longevity and reliability; reduces potential for bright pixel illumination.
- ◆ Inputs include DVI-D, RGB analog, component and composite video, stereo audio (for PC), stereo audio (for A/V), and RS-232C port. Outputs include DVI-D loop through, stereo audio line-out and stereo audio (7W/channel) speaker out.
- ◆ They have full 1920 x 1080 resolution for exceptionally accurate and precise image reproduction. They can displaying full native 1920 x 1080 resolution from analog RGB, digital RGB, and HD video sources.
- ◆ Unparalleled performance for professional applications including digital signage markets (retail, banking, hospitality, airports), medical/scientific and training simulation, CAD/CAM, university and corporate facilities.
- ◆ Ultra-High Aperture (UH) LCD achieves high brightness of 450 nit (cd/m2) while maintaining low power consumption.
- ◆ Designed for commercial use, they utilize a black metal rear enclosure, heavy duty carrying handles, and a clean professional appearance (no raised front panel controls or connectors). The PN-465U and PN-525U also offer compatibility for extended use in portrait and landscape mode applications.

PN-465U: 46" HD LCD
(Mfr # PN-465U • B&H # SHPN465U)

PN-525U: 52" HD LCD
(Mfr # PN-525U • B&H # SHPN525U)

PN-G655U: 65" HD LCD
(Mfr # PN-G655U • B&H # SHPNG655U)

PN-G655RU: 65" with Portrait/Vertical Mode
(Mfr # PN-G655RU • B&H # SHPNG655RU)

PN-465UP: 46" with Anti-Glare Overlay
(Mfr # PN-465UP • B&H # SHPN465UP)

PN-525UP: 52" with Anti-Glare Overlay
(Mfr # PN-525UP • B&H # SHPN525UP)

PN-G655UP: 65" with Anti-Glare Overlay
(Mfr # PN-G655UP • B&H # SHPNG655UP)

PN-G655RU: 65" with Portrait/Vertical Mode and Anti-Glare Overlay
(Mfr # PN-G655RU • B&H # SHPNG655RU)

Models that end with 'P' integrate a protective acrylic overlay shield with anti-reflection, anti-glare film, making them perfect for digital signage and information display applications in high-track public areas.

TOSHIBA 27"- 52" High-Definition Commercial LCD Monitors



Today more than ever, visual communications require multifunctional, dependable, visually striking displays. Toshiba's LCD display's are more than up for the challenge. Their superior image quality shows off high-bright, high-contrast images viewable at any angle. High-resolution panel with digital and analog inputs while the most rigorous specifications are handled with ease. And installation is a snap with any UL-approved VESA standard wall or ceiling mount. With Toshiba LCD displays, image "Burn-In" and "Temporary Image Retention (TIR)" is a distant memory. High-speed, fast video response time of 8 ms delivers the performance you need for any application. And nobody beats Toshiba's comprehensive 3-year, full replacement warranty - that's value you can see.

P27LSA: 27" HD LCD Display
(Mfr # P27LSA • B&H # TOP27LSA)

P32LSA: 32" HD LCD Display (Mfr # P32LSA • B&H # TOP32LSA)
P42LSA: 42" HD LCD Display (Mfr # P42LSA • B&H # TOP42LSA)

P47LSA: 47" HD LCD Display (Mfr # P47LSA • B&H # TOP47LSA)
P52LSA: 52" HD LCD Display (Mfr # P52LSA • B&H # TOP52LSA)

VZ-TFT

5.6" 4:3 LCD Monitor

The 5.6" VZ-TFT is a NTSC/PAL monitor that can be used as a large external video display that allows the shooter to step back from the camera rather than standing hunched over while looking through a typically inadequate viewfinder. It can also be used as a lightweight field monitor, remote viewing display, or portable playback screen. When combined with VariZoom lens controls, you have a studio package comparable to much more expensive setups. Also offers a headphone jack for audio monitoring. For more versatility and value, the VZ-TFT-U kit includes all monitor accessories, including battery, shoemount, sunhood and carrying case.



VZ-TFT: 5.6" Camera mountable LCD monitor with 120-240v AC adapter and A/V cable (Mfr# VZ-TFT • B&H# VAVZTFT).....**284.95**

VZ-TFT Kit: Same as above, plus lithium-ion battery with charger, sun shade/hood, swivel shoe camera mount and carrying case (Mfr# VZ-TFT-U • B&H# VAVZTFTCBK)....**389.95**



VZ-TFT7 7" 16:9 LCD Monitor

The 7" VZ-TFT7 is a NTSC/PAL 16:9 monitor can be used a variety of ways, most importantly as a large external video display that allows the shooter to step back from the camera rather than standing hunched over while looking through a typically inadequate viewfinder. It can also be used as a lightweight field monitor, remote viewing display, or portable playback screen. This monitor easily switches between 4:3 and 16:9 aspect ratio as well as helpful image orientation controls for DOF adapters. When combined with VariZoom lens controls, you have a studio package comparable to much more expensive setups. For the greatest versatility and value, we recommend the VZ-TFT-7U kit that includes all monitor accessories, including battery, shoemount, sunhood and carrying case.

VZ-TFT7: 7" camera-mountable LCD monitor with 120-240v AC adapter and A/V cable (Mfr# VZ-TFT-7 • B&H# VAVZTFT7)....**374.95**

VZ-TFT7 Kit: Same as above, plus lithium-ion battery with charger, sun shade/hood, swivel shoe camera mount & carrying case (Mfr# VZ-TFT-7U • B&H# VAVZTFT7K).....**484.95**

AR5K Articulated Joint Arm

This extremely versatile arm will support lightweight LCD monitors or other gear while clamped to just about any tripod leg, bar, table, or flat surface for highly flexible positioning. Four locking joints allow great freedom in positioning.

The universal clamp (the detachable 'foot' of the AR5K) can also be used independently, and it is an excellent accessory. It will clamp to bars or flat surfaces from 0.2" to 2.17" thick and it has a 5/8" quick-release hex socket, as well as 1/4"-20 and 10-32 holes for coupling to other grip arms and accessories. (Mfr # VZ-AR-5K • B&H # VAVZAR5K).....**119.95**



702m Lithium-ion Battery Kit

The VZ-702-M is the most convenient and flexible battery solution for on-camera LCD monitors that require a 12v DC input. The compact 702M battery attaches at the base of the monitor using the built-in 1/4"-20 thread mount, keeping the weight centered. On the underside of the battery is another 1/4"-20 thread mount that allows you to attach the entire monitor/battery assembly to your on-camera shoe mount, articulated arm or any other 1/4"-20 threaded support. If you need extended runtime, simply stack two 702M batteries - they will thread into each other and sandwich between the shoe mount and the monitor. (Mfr # VZ-702M • B&H # VAVZ702M)**79.95**



VZ-702-M mounted