Marshall Electronics

BROADCAST MULTIMEDIA DIVISION

PRODUCT GUIDE | SUMMER 2011

MD Monitors

Marshall's MD series of rack mount monitors offer a flexible modular solution to system integration. These rack-mountable monitors can be configured with a variety of video inputs that can be "swapped" or interchanged in the field based on your evolving needs and requirements. This eliminates the need to upgrade or replace equipment when a different input or application is required. This "future proof" solution provides flexibility and reassurance when necessary, especially in multi-monitor rack mount units.

These fully-featured monitors come in a variety of sizes and configurations. All models include Status Display, False Color Filter, IMD (In-Monitor Display), Markers, Freeze Function, Color Temperature Presets, RGB Gain / Bias Adjust, Pixel-to-Pixel, Blue Gun, Hard Tally, and more. A variety of modules will become available including the availability of 3G-SDI with loop-through, Fiber-Optic input/output modules, and more.

These MD monitors are the WORLD'S FIRST HD MONITORS WITH DIRECT FIBER OPTIC VIDEO INPUTS. Marshall's MD monitors integrate Telecast Fiber System's TeleCube™ Fiber-Optic HD-SDI transmission input/output modules. These fiber modules deliver the industry's broadest range of digital rates while maintaining pristine signal quality that broadcasters and integrators demand.

With broadcast production facilities looking to the future with 3Gb/s SDI integration, Marshall fills the void with fully-featured, high-end monitors with full 3G-SDI support. For distances beyond 150 meters, fiber-optic signaling may be required. To fulfil this need, Marshall looked to Telecast Fiber Systems, the company that developed fiber-optic video technology for television broadcast production. Telecast's comprehensive systems are used worldwide.

Optional Input Modules

3G-SDI

MD-3GSDI-A
MD-3GSDI-B
3G-SDI Input Module with Loop-Through
Price: $399.00

HDMI

MD-HDMIx2-A
MD-HDMIx2-B
Two-channel HDMI Input Module
Price: $199.00

DUAL HD-SDI COMING SOON

MD-HDSDIx2-A
MD-HDSDIx2-B
Two-channel HD-SDI Input Module with switched output
Price: $499.00

DVI COMING SOON

MD-DVII-A
MD-DVII-B
DVI Input Module
Price: $199.00

Optional Optical Module with TeleCube™ Inputs/Outputs

FIBER-OPTIC

MD-TC-A
MD-TC-B
TeleCube™ Input/Output Base Module
Price: $349.00

IN

TC-RxO
Optical Receiver Cube with ST connector
Price: $299.00

TC-RxE
Electrical Receiver Cube with BNC connector
Price: $179.00

OUT COMING SOON

TC-TxO
Optical Transmitter Cube (FP Laser @ 1310nm) ST Connector
Price: $359.00

TC-TxE
Electrical Transmitter Cube with BNC connector
Price: $149.00

- **19.4 Mbps to 3 Gbps**
- **Cool, efficient, reliable**
- **Quick, easy installation**
- **Supports embedded audio**
- **Compatible with SMPTE 310M, 292M, 259M, 297M, 424M**
- **Tight Optical Tolerances**
- **Long Distance versions**
- **CWDM laser TX options**
- **Very Low system jitter**
- **<10dB Return Loss @3GHz**

Optional Output Modules

HDMI

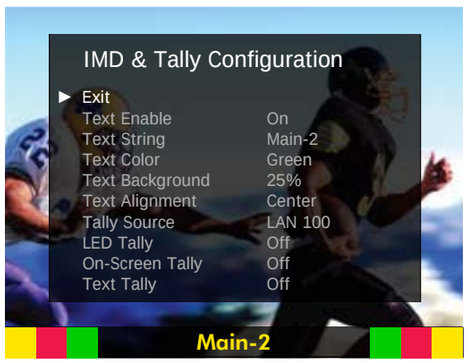
MDO-HDMI-A
MDO-HDMI-B
HDMI Output Module
Price: TBD

DUAL 3G-SDI

MDO-3GSDI-A
MDO-3GSDI-B
Dual 3G-SDI Module
Price: TBD

*Input modules are optional and available at additional cost. More input modules to be offered in the future. Please visit www.lcdracks.com for more updates and information.

IMD & Tally Configuration

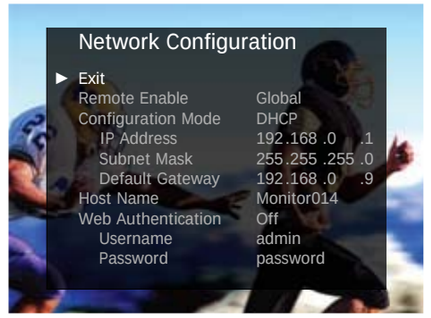


Use the "Text Enable" function to turn the MD Text feature ON. This will cause the "Text String" to appear on the lower portion of the screen. This provides the user with a 16 character on-screen text string. The color, background (opacity), and alignment of text can also be managed by the operator. This same menu allows control of Tally Source. Tally lights (both LED and on-screen) can be enabled/ disabled and also set to match "Text String" color.

MD Series Network Control

Each V-MD series rack includes a LAN port with a built-in web server. This allows the operator to visually monitor and control any or all V-MD series units that are connected to the LAN. Any function that is addressable from the front panel of a V-MD series monitor can be accessed via any popular web browser -- even those running on a wireless device.** The rear panel LAN 100 port connects the unit to the LAN.

Once connected, the user simply locates the IP address of any one of the units connected to the LAN. This is accomplished by going to the MAIN MENU of any of the connected units and selecting the NETWORK CONFIGURATION submenu. This will then display the IP address of that unit. V-MD units are shipped with the DHCP mode enabled.



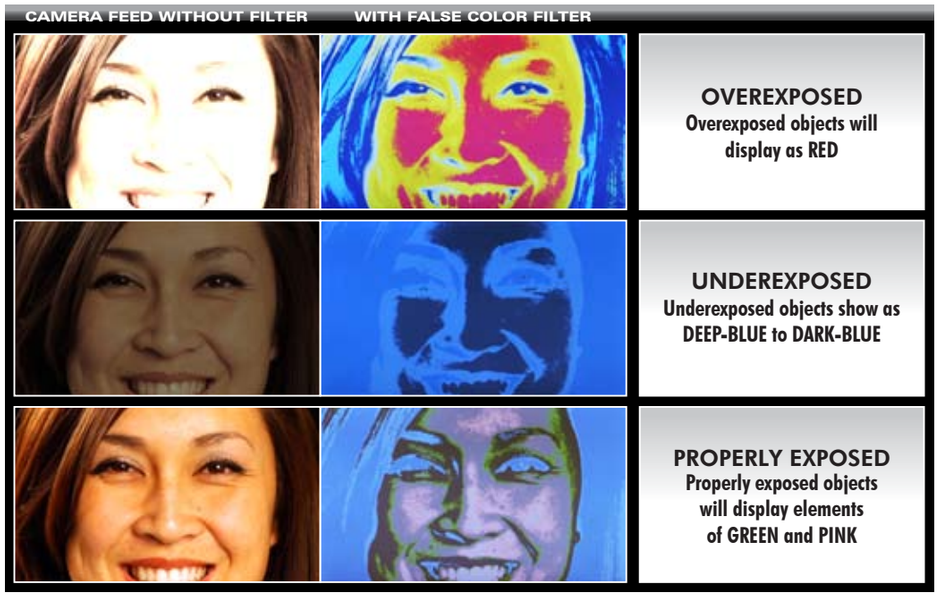
Simply type this IP address into the address bar of your browser and the home page for that unit will appear. It is possible to poll your LAN for all other MD units connected by accessing the NETWORK tab from the Top Menu.

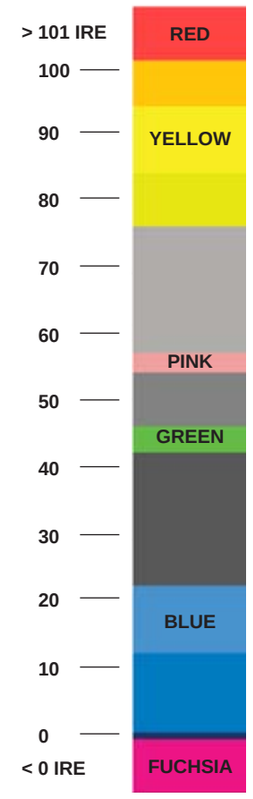
The user can then control multiple networked MD monitors at once using a single browser page. The user may select which monitor(s) they wish to control and send commands to those particular monitors. The browser provides real-time status of any connected monitor, ensuring consistent signals / feeds and so forth.

*** A wireless hub must be part of the LAN to have this function*

False Color Filter Features

The False Color filter is used to aid in the setting of camera exposure. As the camera Iris is adjusted, elements of the image will change color based on the luminance or brightness values. This enables proper exposure to be achieved without the use of costly, complicated external test equipment. To best utilize this feature, you must understand the color chart and have a basic understanding of camera exposure. Normally, when shooting subjects like people, it is common practice to set exposure of faces to the equivalent of approximately 56 IRE. The False Color filter will show this area as the color PINK on the monitor. Therefore, as you increase exposure (open the IRIS), your subject will change color as indicated on the chart: PINK, then GREY, then a few shades of YELLOW. Overexposed subjects (above 101 IRE) on the monitor will be shown as RED. In addition, underexposed subjects will show as DEEP-BLUE to DARK-BLUE, with clipped-blacks indicated with a FUCHSIA-like color. Lastly, the color GREEN is used to indicate elements of the image that are approximately 45 IRE. This represents a "neutral" or "mid-level" exposure commonly used for objects (not people).





V-MD434 2RU Quad 4.3” Rack Mount Monitor *(Frame Only*)*

Display (Viewing Area)	4.3” x 4
Resolution (Pixels)	800 x 480
Brightness (cd/m²)	200
Contrast Ratio	400:1
Optional Input Modules*	3G-SDI, DVI, Dual HD-SDI, FIBER-OPTIC, HDMI
Available # of Slots	1 per screen
Dimensions	17.1”W x 3.45”H x 1.23”D

Price: $3299.00

The V-MD434 uses “B”-type input modules

V-MD434-3GSDI Quad 2RU 4.3” Rack Mount Monitor with Pre-Installed 3G-SDI Input/Output

Display (Viewing Area)	4.3” x 4
Resolution (Pixels)	800 x 480
Brightness (cd/m²)	200
Contrast Ratio	400:1
Included Modules	3G-SDI
Optional Input Modules	HDMI, DVI, Dual HD-SDI, FIBER-OPTIC, HDMI
Available # of Slots	1 per screen
Dimensions	17.1”W x 3.45”H x 1.23”D

Price: $4299.00

The V-MD434-3GSDI uses “B”-type input modules

V-MD503 2RU Triple 5” Rack Mount Monitor *(Frame Only*)*

Display (Viewing Area)	5” x 3
Resolution (Pixels)	800 x 480
Brightness (cd/m²)	300
Contrast Ratio	600:1
Optional Input Modules*	3G-SDI, DVI, Dual HD-SDI, FIBER-OPTIC, HDMI
Available # of Slots	1 per screen
Dimensions	17.1”W x 3.46”H x 1.23”D

Price: $2499.00

The V-MD503 uses “B”-type input modules

V-MD503-3GSDI Triple 2RU 5” Rack Mount Monitor with Pre-Installed 3G-SDI Input/Output

Display (Viewing Area)	5” x 3
Resolution (Pixels)	800 x 480
Brightness (cd/m²)	300
Contrast Ratio	600:1
Included Modules	3G-SDI
Optional Input Modules	HDMI, DVI, Dual HD-SDI, FIBER-OPTIC
Available # of Slots	1 per screen
Dimensions	17.1”W x 3.46”H x 1.23”D

Price: $3199.00

The V-MD503-3GSDI uses “B”-type input modules

V-MD563 Triple 3RU 5.6” High Resolution LCD Rack Mount Monitor *(Frame Only*)*

Display (Viewing Area)	5.6” x 3
Resolution (Pixels)	1280 x 800
Brightness (cd/m²)	300
Contrast Ratio	500:1
Included Inputs	Composite, Component
Optional Input Modules*	3G-SDI, DVI, Dual HD-SDI, FIBER-OPTIC, HDMI
Available # of Slots	1 per screen
Dimensions	19”W x 5.2”H x 1.3”D

Price: $3599.00

The V-MD563 uses “A”-type input modules

V-MD72 Dual 7” 3RU LCD Rack Mount Monitor with Modular Input/Output *(Frame Only*)*

Display (Viewing Area)	7” x 2
Resolution (Pixels)	800 x 480
Brightness (cd/m²)	450
Contrast Ratio	600:1
Optional Input Modules*	3G-SDI, DVI, Dual HD-SDI, FIBER-OPTIC, HDMI
Available # of Slots	1 per screen
Dimensions	18.9”W x 5.2”H x 1.2”D

Price: $2099.00

The V-MD72 uses “A”-type input modules

V-MD72-3GSDI Dual 7” 3RU LCD Rack Mount Monitor with Pre-Installed 3G-SDI Input/Output

Display (Viewing Area)	7” x 2
Resolution (Pixels)	800 x 480
Brightness (cd/m²)	450
Contrast Ratio	600:1
Included Modules	3G-SDI
Optional Input Modules	HDMI, DVI, Dual HD-SDI, FIBER-OPTIC
Available # of Slots	1 per screen
Dimensions	18.9”W x 5.2”H x 1.2”D

Price: $2499.00

The V-MD72-3GSDI uses “A”-type input modules

V-MD72-HDSDIx2 Dual 7” 3RU LCD Rack Mount Monitor with Pre-Installed HD-SDI Input/Output

Display (Viewing Area)	7” x 2
Resolution (Pixels)	800 x 480
Brightness (cd/m²)	450
Contrast Ratio	600:1
Included Modules	Dual HD-SDI
Optional Input Modules	3G-SDI, DVI, HDMI, FIBER-OPTIC
Available # of Slots	1 per screen
Dimensions	18.9”W x 5.2”H x 1.2”D

Price: $2599.00

The V-MD72-HDSDIx2 uses “A”-type input modules

V-MD702 Dual 7” 3RU LCD Rack Mount Monitor *(Frame Only*)*

Display (Viewing Area)	7” x 2
Resolution (Pixels)	800 x 480
Brightness (cd/m²)	450
Contrast Ratio	600:1
Included Inputs	Composite, Component
Optional Input Modules*	3G-SDI, DVI, Dual HD-SDI, FIBER-OPTIC
Available # of Slots	1 per screen
Dimensions	18.9”W x 5.2”H x 1.2”D

Price: $2299.00

The V-MD702 uses “A”-type input modules

V-MD702-3GSDI — Dual 7” 3RU LCD Rack Mount Monitor with Pre-Installed 3G-SDI Modules

Display (Viewing Area)	7” x 2
Resolution (Pixels)	800 x 480
Brightness (cd/m²)	450
Contrast Ratio	600:1
Included Modules	3G-SDI
Included Inputs	Composite, Component
Optional Input Modules	DVI, Dual HD-SDI, FIBER-OPTIC, HDMI
Available # of Slots	1 per screen
Dimensions	18.9”W x 5.2”H x 1.2”D

Price: $2799.00

The V-MD702-3GSDI uses “A”-type input modules

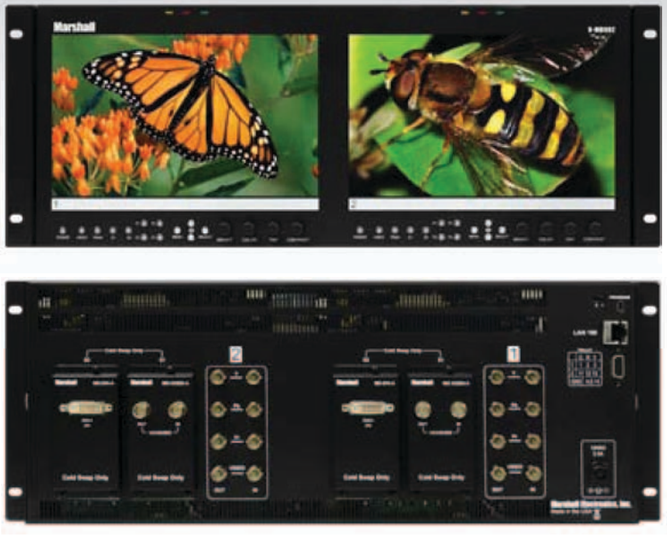
V-MD702-HDSDIx2 — Dual 7” 3RU LCD Rack Mount Monitor with Pre-Installed HD-SDI Modules

Display (Viewing Area)	7” x 2
Resolution (Pixels)	800 x 480
Brightness (cd/m²)	450
Included Modules	Dual HD-SDI
Contrast Ratio	600:1
Included Inputs	Composite, Component
Optional Input Modules	3G-SDI, DVI, FIBER-OPTIC, HDMI
Available # of Slots	1 per screen
Dimensions	18.9”W x 5.2”H x 1.2”D

Price: $2899.00

The V-MD702-HDSDIx2 uses “A”-type input modules

V-MD902 — Dual 9” LCD Rack Mount Monitor with Modular Input/Output *(Frame Only*)*



Display (Viewing Area)	9” x 2
Resolution (Pixels)	1280 x 768
Brightness (cd/m²)	350
Contrast Ratio	1000:1
Included Inputs	Composite, Component
Optional Input Modules	3G-SDI, DVI, Dual HD-SDI FIBER-OPTIC, HDMI
Available # of Slots	2 per screen
Dimensions	18.9”W x 6.9”H x 2.1”D

Price: $3499.00

The V-MD902 uses “A”-type input modules

V-MD171X — 17” 6RU High Resolution LCD Rack Mount / Desktop Monitor with Modular Inputs

V-ST15
Optional Desktop Stand

Display (Viewing Area)	17”	Included Inputs	Composite, Component
Resolution (Pixels)	1920 x 1200	Optional Input Modules*	3G-SDI, DVI, Dual HD-SDI, FIBER-OPTIC, HDMI
Brightness (cd/m²)	400	Available # of Slots	2
Contrast Ratio	600:1	Dimensions	18.9”W x 10.45”H x 1.4”D

Price: $2299.00

The V-MD171X uses “A”-type input modules

V-MD185 — 18.5” 7RU LCD Rack Mount / Desktop Monitor with Modular Inputs

V-ST15
Optional Desktop Stand

Display (Viewing Area)	18.5”	Included Inputs	Composite, Component
Resolution (Pixels)	1366 x 768	Optional Input Modules*	3G-SDI, DVI, Dual HD-SDI, FIBER-OPTIC, HDMI
Brightness (cd/m²)	300	Available # of Slots	2
Contrast Ratio	1000:1	Dimensions	17.1”W x 12.02”H x 1.4”D

Price: $1399.00

The V-MD185 uses “A”-type input modules

V-MD201 — 20” 7RU High Resolution LCD Rack Mount / Desktop Monitor with Modular Inputs

V-ST20
Optional Desktop Stand

Display (Viewing Area)	20”	Included Inputs	Composite, Component
Resolution (Pixels)	1600 x 900	Optional Input Modules*	3G-SDI, DVI, Dual HD-SDI, FIBER-OPTIC, HDMI
Brightness (cd/m²)	300	Available # of Slots	2
Contrast Ratio	1000:1	Dimensions	18.3” x 12.2” x 1.6”

Price: $1799.00

The V-MD201 uses “A”-type input modules

Rack Mounted / Stand-Alone Monitors with In-Monitor Display (IMD) Functionality

Marshall Electronics offers the industry's widest lineup of LCD panels with In-Monitor Display functionality. These monitors and racks are cost-effective "all-in-one" solutions for post production houses, broadcasters, and mobile units. Marshall's IMD series is a fully-integrated solution that allows UMD information and tallies to be displayed directly within an LCD flat panel monitor, while saving precious rack space. A variety of features are readily available including on-screen Video Time Code, three-color "Soft" Tallies, and Audio Presence Indicator. These displays also include our RotoMenu™ feature which allows fast, direct, and easy menu navigation.

Marshall's IMD monitors integrate easily with existing Tally systems and controllers, while supporting Image Video, NVISION, TSL, and MEI protocols. Also a perfect solution for large Video Wall applications and systems. Can also be used as standalone displays with HD-SDI loop-through.

IN-MONITOR DISPLAY (IMD) FEATURES

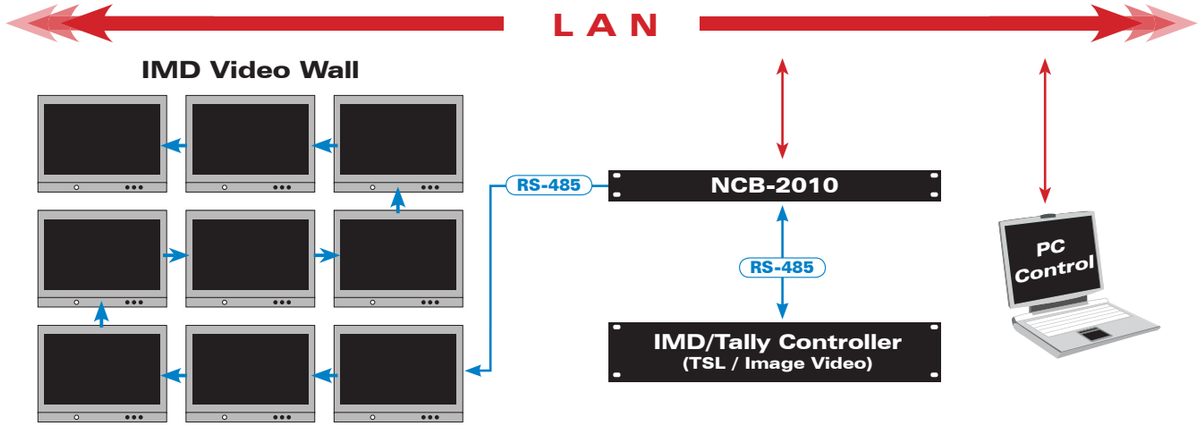
1	CAMERA1	**CENTER DISPLAY** Marshall's IMD monitors easily integrate with existing Tally systems and controllers. Supports Image Video, NVISION, TSL, and MEI (Marshall) protocols. *Future protocol support to be available via software upgrades.*
2	Three Colors Two Colors One Color	**SOFT TALLY** On-screen 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 either through RS-422 / 485 port or DB-15 connector (contact closure).
3	Amber Red Green	**HARD TALLY** Tally LEDs are provided as general purpose indicators. Each LED can be individually controlled either through RS-422 / 485 port or DB-15 connector (contact closure).
4	01:10:30:14	**TIME CODE** Video Time Code is decoded from SDI / HD-SDI auxiliary data stream and integrated on-screen for quick and easy reference.
5	Audio Present No Audio Present	**AUDIO PRESENCE** "Audio Present" indicates that embedded audio is detected from HD-SDI auxiliary data stream. "No Audio Present" indicates that embedded audio is not detected from HD-SDI auxiliary data stream.
6	RS-422 / 485 IN / OUT	**RS-422 / 485 CONTROL** RS-422 / 485 connection with loop-through for control communication, IMD functionality, and field-upgradeable firmware capability.
7	ROTOMENU	**ROTOMENU™** Offers fast, direct, and easy menu navigation with just a single digital rotary switch.

NCB-2010 In-Monitor Display (IMD) Network Control Box

Price: $3599.00

This 1RU network control box passes through Under-Monitor Display (UMD) protocols to be displayed on Marshall Electronics IMD-capable monitors. The NCB-2010 offers complete control of each monitor's menu functions and controls such as contrast, color, curtain color, ratio, etc. The monitors can also be controlled individually, by group, or on a global scale. The NCB-2010 connects directly to any TCP/IP 10/100 Ethernet connection. No special application is required since operability interfaces directly through any regular web browser.

- **Ethernet: RJ-45 (supports 10/100)**
- **RS-485 input connection for 3rd party IMD/Tally controller**
- **Four RS-485 output ports to connect to Marshall Monitors**
- **Each RS-485 port can support up to 128 LCD panels**
- **Send and retrieve all internal monitor functions**
- **Supported Protocol: Image Video, TSL, Marshall**
- **Web browser interface**



The **NCB-2010** has an easy-to-navigate user interface. Interfaces through any regular web browser which allows direct access to OSD and Display functionality and control.

SPECIFICATIONS:

Max LCD panel control (per NCB)	512
Max LCD panel per port	128
Ports	RJ-45 (10/100 compatible) x 1, RS-485 control port x 1 (IN), RS-485 x 4 (OUT)
Protocols	Image Video, TSL, Marshall
Max cable run	2000' per port
Dimensions	18.96"W x 1.72"H x 8.37"D (481.584mm x 43.688 mm x 212.598mm)
Weight	5.5 lbs.
Power Consumption	Approx. 50W

Dual Link / Waveform (DLW)

DLW Series monitors are the latest addition to the expanding line of IMD (In-Monitor Display) Monitors. The 17" V-R171X-DLW, 24" V-R241-DLW, and the 26" V-R261-DLW IMD monitors include Dual Link with Waveform & Vectorscope. These models incorporate a 10-bit "no compromise" video path along with 3G capability. In Quad-View mode, the monitors break the screen into four quadrants and display Audio Bars, a Waveform Monitor, Vectorscope, and live video simultaneously. All models have two inputs supporting 3G-SDI and Dual Link. A DVI input supports all HDMI modes and DVI to 170MHz.

Additional features include IMD protocol support for TSL, NVISION, Image Video, and MEI (Marshall Electronics) tally control systems, remote firmware update via RS-485, tri-color hard and soft tally, and Safety Marker configurations. Other display features include full CEA-608-B and CEA-708-B Closed Captioning.

V-R171X-DLW

17" Full Resolution
Dual Link / Waveform Monitor

Display (Viewing Area)	17"
Resolution (Pixels)	1920 x 1200
Brightness (cd/m²)	400
Contrast Ratio	600:1
Available Input Types	3G-SDI x 2, DVI x 1
Dimensions	18.9"W x 10.45"H x 1.4"D

Price: $3999.00

V-R241-DLW

24" Full Resolution
Dual Link / Waveform Monitor

Display (Viewing Area)	24"
Resolution (Pixels)	1920 x 1200
Brightness (cd/m²)	400
Contrast Ratio	1000:1
Available Input Types	3G-SDI x 2, DVI-I x 1
Dimensions	21.9"W x 15.5"H x 2.15"D

Price: $4199.00

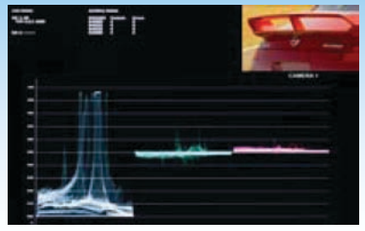
V-R261-DLW

26" Full Resolution
Dual Link / Waveform Monitor

Display (Viewing Area)	26"
Resolution (Pixels)	1920 x 1200
Brightness (cd/m²)	400
Contrast Ratio	1000:1
Available Input Types	3G-SDI x 2, DVI x 1
Dimensions	23.3"W x 16.29"H x 2.14"D

Price: $4999.00

Features

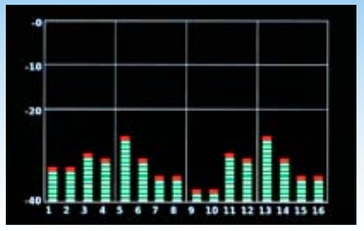


WAVEFORM MONITOR

The built-in waveform monitor can be displayed in various aspect ratios, positions, and transparency options. The waveform monitor displays YUV/RGB in both Overlay and Parade modes.

REAL-TIME COLOR VECTORSCOPE

The built-in Vectorscope allows users to monitor color gamut range in real-time. It displays in various sizes, positions, and transparency options.



AUDIO LEVEL METERS

De-embeds and displays up to 16 channels of audio using sixteen 40-segment tri-color Audio Meters with user-adjustable reference levels.

Inputs:
- 2 x 3G-SDI inputs with loop-through and SD-SDI, HD-SDI, & 3G-SDI support. SDI inputs can be used in tandem to do dual link
- 1 x DVI-I input: supports digital DVI, HDMI (without audio), Analog video (RGB, YPbPr) to 162MHz

Processing:
- 10-bit image processor
- 4x3 and 16x9 aspect ratios
- High quality motion adaptive deinterlacer
- Time-code (LTC / VITC)
- 608/708 closed captioning
- Waveform monitor
- Vectorscope
- Ancillary data window
- 16 channels of audio metering (SDI inputs only)
- Standard Marshall IMD processing
- RotoMenu™ controlled OSD
- Two programmable function buttons
- System statistics monitoring in OSD
- Variety of markers

Miscellaneous:
- Hard TALLY (Red, Yellow, Green LEDs)
- Soft TALLY (in IMD)
- RS-485 interface supports Marshall, Image Video and TSL protocols
- System supports color calibration
- RS-485 based firmware update

Quad Viewer Monitors

The QUAD VIEWER Series is another addition to Marshall's line of IMD-equipped monitors. The 17", 24", and 26" Quad-Viewer Monitors feature a full resolution 1920 x 1200 LCD panel, built-in high quality HD Quad Splitter, four independent HD-SDI inputs, one DVI input, IMD (In-Monitor Display) capability, Audio Presence indicator, and Time Code. Video and DVI both offer full screen mode, while quad-split mode is scaled to fit onscreen in the highest resolution. IMD is supported via manual mode, along with Image Video, NVISION, MEI (Marshall), and TSL protocols. Other features include Closed-Caption presence display, two front panel user-configurable function buttons, RS-422/485 port with pass-through, a variety of marker and shades, and field-upgradeable firmware.

QV171X-HDSDI — 17" Full Resolution Rack Mount or Desktop Quad Viewer Monitor with IMD

Display (Viewing Area)	17"
Resolution (Pixels)	1920 x 1200
Brightness (cd/m²)	400
Contrast Ratio	600:1
Available Input Types	HD-SDI x 4, DVI-I x 1
Dimensions	18.9"W x 10.45"H x 1.40"D

In-Monitor Display IMD

Price: $3999.00

- Quad Viewer allows viewing of 4 different inputs at once with 3 different layouts to choose from
- No need for external Under Monitor Display - "all-in-one" In-Monitor Display solution without added depth
- Supports the following protocols: Image Video/NVISION/TSL/MEI
- Full Resolution 1920 x 1200 display
- On-Screen Audio Presence Indicator / Video Time Code
- RotoMenu™ feature for fast and easy menu navigation
- High resolution scaling / high quality deinterlacing
- Three-color on-screen "soft" tally indicators (Red / Green / Amber)
- Three LED color tally indicators (Red / Green / Amber)
- Available with optional desktop stand (Part #V-ST15)

QV241-HDSDI — 24" Full Resolution Desktop Quad Viewer Monitor with IMD (In-Monitor Display)

Display (Viewing Area)	24"
Resolution (Pixels)	1920 x 1200
Brightness (cd/m²)	400
Contrast Ratio	1000:1
Available Input Types	HD-SDI x 4 / DVI-I x 1
Dimensions	21.9"W x 15.1"H x 2.21"D

In-Monitor Display IMD

Price: $4199.00

- Quad Viewer allows viewing of 4 different inputs at once with 3 different layouts to choose from
- No need for external Under Monitor Display - "all-in-one" In-Monitor Display solution without added depth
- Supports the following protocols: Image Video/NVISION/TSL/MEI
- Full Resolution 1920 x 1200 display
- On-Screen Audio Presence Indicator / Video Time Code
- RotoMenu™ feature for fast and easy menu navigation
- High resolution scaling / high quality deinterlacing
- Three-color on-screen "soft" tally indicators (Red / Green / Amber)
- Three LED color tally indicators (Red / Green / Amber)
- Available with optional desktop stand (Part #V-ST23-32)

QV261A-HDSDI — 26" Full Resolution Desktop Quad Viewer Monitor with IMD (In-Monitor Display)

Display (Viewing Area)	26"
Resolution (Pixels)	1920 x 1200
Brightness (cd/m²)	500
Contrast Ratio	800:1
Available Input Types	HD-SDI x 4, DVI-I x 1
Dimensions	23.3"W x 16.0"H x 2.17"D

In-Monitor Display IMD

Price: $5399.00

- Quad Viewer allows viewing of 4 different inputs at once with 3 different layouts to choose from
- No need for external Under Monitor Display - "all-in-one" In-Monitor Display solution without added depth
- Supports the following protocols: Image Video/NVISION/TSL/MEI
- Full Resolution 1920 x 1200 display
- RotoMenu™ feature for fast and easy menu navigation
- High resolution scaling / high quality deinterlacing
- Three-color on-screen "soft" tally indicators (Red / Green / Amber)
- Three LED color tally indicators (Red / Green / Amber)
- On-Screen Audio Presence Indicator / Video Time Code
- Available with optional desktop stand

Quad-Viewer Configurations

Allows viewing of 4 inputs on the screen at once. Each input source is scaled and positioned in real-time so that all 4 inputs can be seen. DVI-I input can replace input #4 in this mode. There are 3 different Quad layouts besides Full Screen and Split Screen to choose from:

Microsoft product screen shot reprinted with permission from Microsoft Corporation.

Marshall's **3D-241-HDSDI** is a 24-inch 1920 x 1200 LCD monitor designed for professional 3D applications. This monitor is only 2-1/4 inches (57mm) deep and uses advanced engineering to deliver natural, flicker-free 3D images by adopting a circular polarizing filter method when used with battery-free glasses. The circular polarizing system used employs a 3D Xpol® optical filter applied to the surface of the display. The 3D-241-HDSDI also has 4 HD-SDI inputs which provide the ability to monitor two 3D (right eye / left eye) HD-SDI signals. By using circular polarized glasses, the user can simultaneously view multiple 3D monitors in a production or multimedia environment. This monitor also supports IMD (In-Monitor Display) functions through RS-422/RS-485 connections (Quad-View mode).

3D-241-HDSDI | Full Resolution 24" Stereoscopic 3D LCD Monitor with HD-SDI

GL-C45
Circular Polarized 3D glasses
2 pairs included

- **1920 x 1200 LCD panel**
- **High quality 3D display with circular polarizing technology**
- **4 HD-SDI inputs for simultaneous monitoring two S3D (right eye / left eye) camera rigs**
- **3D, 2D side-by-side, and difference map display options**
- **Excellent color reproduction**
- **The polarizing filter used provides a stable, flicker-free visual experience**
- **Uses (passive) polarized glasses to watch 3D content**
- **Supports IMD (In-Monitor Display) functionality**
- **RS-422 / 485 connection with loop-through for control communication / IMD functionality**
- **Supports the following IMD protocols: Image Video / NVISION / TSL / MEI**

Price: $6999.00

Optional Accessories

V-Y241
Oppenheimer Yoke for 3D-241-HDSDI and QV241-HDSDI
Price: $899.00

V-YTB
Table Base for Oppenheimer and Marshall 5/8" yoke mounts
Price: $299.00

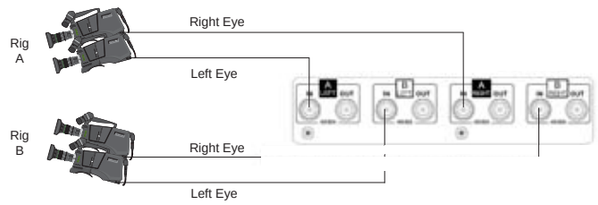
V-HM24
Sun Hood for 24" Monitors
Price: $239.00

V-241-CASE
Rugged road case for 3D Monitor and accessories
Price: $1499.00

GL-C45
Circular Polarized 3D glasses
Price: $29.95 (each)

3D-241-KIT
Complete all-in-one 3D Package:
- 3D-241-HDSDI Monitor
- V-241-CASE Road Case
- V-Y241 Yoke Mount
- V-YTB Table Base
- V-HM24 Sun Hood
- GL-C45 3D Glasses

Price: $9499.00



MULTIPLE 3D RIGS
Two 3D camera rigs can be connected to the 3D-241-HDSDI simultaneously

Multiple 3D Views

When setting up a 3D camera rig, it is important to be able to see various aspects of the stereo image to confirm proper alignment. The 3D-241-HDSDI includes several views to assist the rig operator in setup and operation during production.

Dual Channel Camera A & Camera B

Dual Channel View showing both Camera A (Left Eye / Right Eye) at the top of the frame and Camera B (Left Eye / Right Eye) at the bottom of the frame.

Dual Channel Camera A & Camera B

Dual Channel View showing Camera A Stereoscopic 3D on the Left and Camera B Stereoscopic 3D on the Right.

Single Channel Camera A or Camera B

Single Camera view showing Left Eye on the Left and Right Eye on the Right Single Channel Camera A or Camera B.

Single Channel Camera A or Camera B

Single Channel View of Left Eye and Right on the bottom of the frame with Left / Right Stereoscopic 3D image at the top.

Single Channel Camera A or Camera B

Single Channel View of Left Eye and Right on the bottom of the frame with Left / Right Blended image at the top.

Single Channel Camera A or Camera B

Single Channel View of Left Eye and Right on the bottom of the frame with Embossed Alpha channel image at the top.

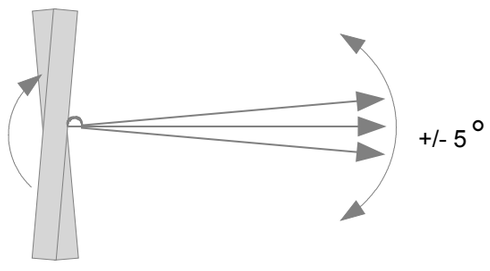
Camera A or Camera B

Full Frame Stereoscopic 3D or Full Frame Blended view.

(Sometimes called "Alpha Channel" view)

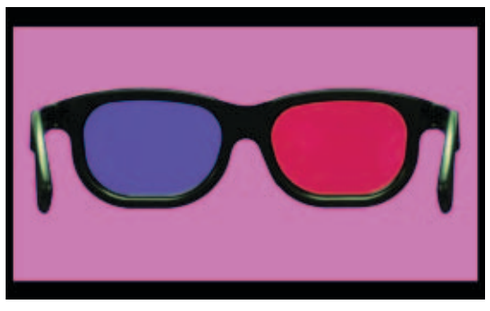
Full Frame Embossed or Luminance Difference View showing the difference between Left Eye and Right Eye.

Vertical Viewing Angle



3D Stereoscopic LCDs using polarized filters must be viewed at the correct position to minimize left eye / right eye crosstalk.

Dual Channel Camera A & Camera B



Unique Left Eye Blue / Right Eye Red curtain color mode allows the user to easily locate the correct viewing angle for optimum performance.

NEW ORCHID® Series Monitors

orchid — Fully-Featured Broadcast LCD Rack Mount Monitors

Marshall Electronics is pleased to offer the ORCHID series of fully-featured rack mount monitor systems. The ORCHID Series has all the features that customers have asked for and more.
All units come standard with auto-sensing HD-SDI inputs, re-clocked outputs, and an open modular slot for additional future inputs. The OR-503 and OR-702 come with an additional HD-SDI input. All ORCHID Series monitors include the following features:

- **Real-Time Waveform Monitor**
- **Real-Time Color Vectorscope**
- **Sixteen 64-segment Tri-color Audio Meters**
- **Tri-Color Tally Indicator**
- **On-Screen Time Code**
- **7 assignable GPI inputs**
- **Adjustable Color Temperature**
- **Optional Input Modules**
- **Auto-Sensing Front Panel Headphone Jack**
- **Auto-Sensing Rear Unbalanced Stereo Output**
- **Adjustable Clipping Indicator**
- **Precision Gamma Settings**
- **Adjustable Color Temperature**
- **Variety of Safety Markers**
- **HD-SDI / SDI Inputs and Outputs**
- **Auto White Balance Calibration:** ***Compatible with Konica Minolta CA-210 Color Analyzer***

The built-in waveform monitor (which includes adjustable White and Black clip level indicators) can be displayed in three different aspect ratios including Full Screen. The built-in Vectorscope displays in full color and can also be displayed in three different ratios. The Vectorscope has adjustable gain from 1x to 5x. All screens are color matched at the factory and can be auto-adjusted in the field using an optional color probe system. All models will de-embed and display up to 16 channels of audio and allow the user to monitor any two channels at once through the headphone jack or rear line output jack. The 64-segment tri-color bar graph meters have user-adjustable reference levels.

OR-434 2RU Quad 4.3” Rack Mount Monitor

Display (Viewing Area)	4.3” x 4
Resolution (Pixels)	800 x 480
Brightness (cd/m²)	200
Contrast Ratio	400:1
Available Input Types	HD-SDI
Available # of Slots	4
Dimensions	18.9”W x 3.47”H x 3.54”D

Price: $4999.00

The OR-434 is only 2RU and has 5 user-assignable function keys with a joystick menu system.

OR-503 3RU Triple 5” Rack Mount Monitor

Display (Viewing Area)	5” x 3
Resolution (Pixels)	800 x 480
Brightness (cd/m²)	300
Contrast Ratio	500:1
Available Input Types	HD-SDI
Available # of Slots	3
Dimensions	18.9”W x 5.2”H x 2.38”D

Price: $4499.00

The OR-503 model occupies 3RU of rack space and includes 6 user-assignable function keys as well as 4 user-assignable rotary encoders and utilizes a 5 button menu system.

OR-701A High-End 7” Dual Input Audio and Video Monitor with Stereo Speakers

Display (Viewing Area)	7”
Resolution (Pixels)	800 x 480
Brightness (cd/m²)	350
Contrast Ratio	400:1
Available Input Types	SDI x 2 (auto sensing)
Available # of Slots	1
Dimensions	18.9”W x 5.2”H x 2.38”D

Price: $2999.00

The OR-701A takes the same multi-function Waveform and Vectorscope features found in Marshall’s OR-702 and adds full range audio speakers and a new vertical audio bar layout for real-time audio monitoring.

OR-702 3RU Dual 7” Rack Mount Monitor

Display (Viewing Area)	7” x 2
Resolution (Pixels)	800 x 480
Brightness (cd/m²)	350
Contrast Ratio	400:1
Available Input Types	HD-SDI
Available # of Slots	2
Dimensions	18.9”W x 5.2”H x 2.38”D

Price: $3799.00

The OR-702 model is 3RU and has 11 user-assignable function keys, a 5 button menu system, and four user-assignable rotary encoders.

OR-841-HDSDI 8.4” Rack Mountable / Camera-Top / Portable Field Monitor

Display (Viewing Area)	8.4”
Resolution (Pixels)	1024 x 768
Brightness (cd/m²)	400
Contrast Ratio	400:1
Available Input Types	HD-SDI
Dimensions	8.58”W x 6.89”H x 2.65”D

Price: $3999.00

The OR-841-HDSDI model is 4RU and has a built-in speaker, 9 user-assignable function keys and rotary menu system. Also includes protective screen and adjustable / detachable stand with top handle.

OR-901-3GSDI 9” Rack Mountable / Camera-Top / Portable LCD Field Monitor with 3D SBSH Anaglyph monitoring

Display (Viewing Area)	9”
Resolution (Pixels)	960 x 540
Brightness (cd/m²)	350
Contrast Ratio	1000:1
Available Input Types	3G-SDI x 2
Dimensions	8.58”W x 6.89”H x 2.65”D

The OR-901-3GSDI is 4RU and has 9 user-assignable function keys as well as a rotary menu system.

Price: $3399.00

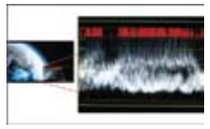
OR-901-XDI 9” Rack Mountable / Camera-Top / Portable LCD Field Monitor with Input-to-Output Cross Conversion

Display (Viewing Area)	9”
Resolution (Pixels)	960 x 540
Brightness (cd/m²)	350
Contrast Ratio	1000:1
Available Input Types	Composite, Component, HDMI, 3G-SDI
Dimensions	8.58”W x 6.89”H x 2.65”D

The fully-featured OR-901-XDI camera-top LCD monitor comes equipped with Composite, Component, HDMI, and dual 3G-SDI inputs.

Price: $3699.00

ORCHID Features



WAVEFORM MONITOR

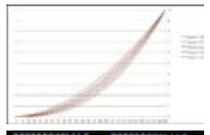
The built-in waveform monitor (which includes adjustable White and Black clip level indicators) can be displayed in various aspect ratios, positions, and transparency options. The Waveform Monitor not only monitors luminance, but can also warn the user for out-of-range conditions such as overexposure or “blacker-than-black” errors with fully user-adjustable warning limits.

REAL-TIME COLOR VECTORSCOPE

The built-in Vectorscope allows users to monitor color gamut range in real-time. It displays in full color and can also be displayed in various sizes, positions, and transparency options. The Vectorscope has adjustable gain from 1x to 5x.

CLIP GUIDE

The Clip Guide function operates with both the Waveform display and Monochrome/Color picture display. Both the upper and lower Clip Guide levels are user-adjustable in order to accurately display over-and-under exposures during different shooting conditions. For example, the upper Clip Guide limit may be set to 85 IRE and the lower limit to 10 IRE. With these settings, any exposures over the set limit of 85 IRE will display red on both the Waveform and picture (if selected). The same will be true for blacks under 10 IRE.



PRECISION GAMMA

It is important that LCD monitors match the color and gamma characteristics of a CRT monitor. To emulate CRT gamma, the non-linear curves are corrected by software algorithms. This process is complicated because the three non-linear colors (RGB) should be corrected simultaneously. The ORCHID gamma correction overcomes this problem and ensures correct matching between panels and channels.

AUDIO LEVEL METERS

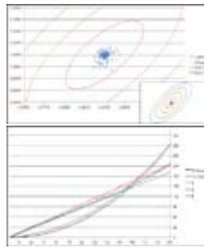
De-embeds and displays up to 16 channels of audio using sixteen 64-segment tri-color Audio Meters with user-adjustable reference levels. The Audio Level Meters provide numerical indicators and headroom levels, as well as peak hold function. Audio Channel Loss Warning prevents errors during monitoring.

FRONT AND REAR PANEL AUDIO OUTPUT

Monitor any two channels at once through the front audio output jack or rear line output jack.

ONE BUTTON COLOR CALIBRATION

The ORCHID operating system includes an Automatic White Balance function that allows a “One Button” calibration procedure when used with a Konica Minolta CA-210 color analyzer. All ORCHID Series LCD panels are calibrated at the factory to ensure color conformity between screens.

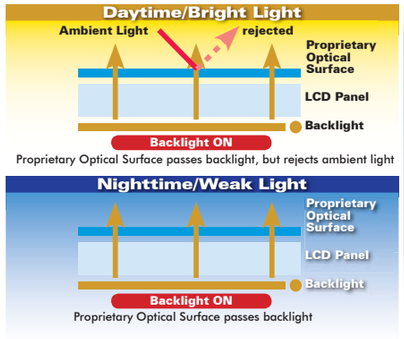


WHITE BALANCE

White balance adjustment is essential in order to render colors correctly. To display colors correctly, gray scale should maintain identical color temperature. The white balance for ORCHID monitors defaults to D65 (6500K) so the user does not need to adjust white balance. LCD monitors have color-matching issues because white balance can be affected by a change in luminance level. Our unique color management system solves this problem.

Super Transflective Outdoor High Definition / Standard Definition Monitors

Marshall Electronics offers a full line of Super Transflective Outdoor Monitors designed specifically for outdoor applications with high ambient light. This technology minimizes surface reflection of both outdoor and indoor light, while featuring a much wider color reproduction range than typical transflective/reflective LCDs or even those with increased backlight performance. Marshall's super-transmissive LCDs provide improved visibility by producing high-contrast images and a wider viewing angle.



RACKS

V-R653SB-IMD

Triple 6.5" Super Transflective Outdoor High Definition LCD Rack with HD-SDI and In-Monitor Display (IMD) functionality. Advanced features include On-Screen Video Time Code, Audio Presence Indicator, Three-Color "Soft" Tally Indicators, and more. Screen resolution is 1024 x 768.

Price: $5999.00

V-R82SB-AFHD

Dual 8.4" Super Transflective Outdoor High Definition LCD Rack with Composite, S-Video, Component, HD-SDI, VGA, and DVI inputs. Advanced features include Aspect Ratio, Screen Markers, Safe Area, Blue Only, Monochrome mode, Color Temperature settings, User Presets, and more. Screen resolution is 800 x 600.

Price: $4999.00

MONITORS

V-LCD651STX-HDMIPT

6.5" Super Transflective Outdoor High Resolution LCD Monitor with Composite, Component, and HDMI Inputs. Ideal as a field monitor with direct access to advanced features such as False Color and Peaking Filters, Aspect Ratio, Center Marker, Safe Area, and more. Screen resolution is 800 x 480.

Price: $1999.00*

V-LCD651STX-3GSDI

6.5" Super Transflective Outdoor High Resolution LCD Monitor with Composite, Component, and 3G-SDI Inputs. Ideal as a field monitor with direct access to advanced features such as False Color and Peaking Filters, Aspect Ratio, Center Marker, Safe Area, and more. Screen resolution is 800 x 480.

Price: $2199.00*

V-LCD70XHB-HDMIPT

7" High Brightness Outdoor Monitor with Composite, Component, and HDMI loop-through. Advanced features include DSLR Ratio Adjustment, HDMI Auto Color Space and Ratio Detect, False Color, Peaking Filter, and more. Screen resolution is 800 x 480.

Price: $1199.00*

V-LCD70XHB-3GSDI

7" High Brightness Outdoor Monitor with Composite, Component, and 3G-SDI loop-through. Advanced features include False Color, Peaking Filter, Signal Integrity Meter, and more. Screen resolution is 800 x 480.

Price: $ 1399.00*

V-LCD84SB-AFHD

8.4" Super Transflective Outdoor High Definition LCD Monitor with Composite, S-Video, Component, HD-SDI, VGA, and DVI inputs. Advanced features include Aspect Ratio, Screen Markers, Safe Area, Blue Only, Monochrome mode, Color Temperature settings, User Presets and more. Screen resolution is 800 x 600.

Price: $1999.00

V-LCD15SB-AFHD-DT

15" Super Transflective Outdoor High Definition LCD Monitor with Composite, S-Video, Component, HD-SDI, VGA, and DVI inputs. Advanced features include Aspect Ratio, Screen Markers, Safe Area, Blue Only, Monochrome mode, Color Temperature settings, User Presets, and more. Includes desktop stand. Screen resolution is 1024 x 768.

Price: $2999.00

** Priced with small battery*

LYNX™ Series Monitors

Ranging in various screen sizes, Marshall Lynx Monitors offer an economic price point and high performance features for any application requiring a high quality, professional-grade LCD monitor. User-friendly OSD, low profile design, and multiple input and output options make the Lynx Series Monitors an ideal fit for commercial and industrial use. Dynamic noise reduction removes unwanted artifacts in video material, and 2D & 3D comb filter technology minimizes ghosting in motion video. Ideal for high traffic public areas, Marshall Lynx Universal monitors offer high resolution capability, as well as impressive contrast ratios and brightness levels so you'll experience crystal-clear images every time.
Marshall Lynx Series Monitors are designed, engineered and manufactured for quality, reliability and affordability.

M-Lynx-10

Ideal for mobile applications and tight spaces, Marshall's 10" Lynx LCD monitor offers 800 x 600 pixel resolution with digital image processing, a digital comb filter and clock-frequency auto correction for a crisp, clear picture. With a slim, portable design, the M-Lynx-10 is an excellent standard definition monitor for audio/visual, security, and industrial applications.

Price: $379.00

M-Lynx-10W

Marshall's 10" widescreen Lynx LCD monitor offers 1024 x 600 pixel resolution with great flexibility.
The M-Lynx-10W provides a sleek, thin, and lightweight black gloss design. The front panel's touch buttons allow simple menu navigation and control. Other features include an adjustable stand, multiple A/V inputs, thin card remote, and built-in rear panel speakers.

Price: $469.00

M-Lynx-15

The M-Lynx-15 delivers a stunning 1024 x 768 resolution picture in a 15" screen size. Using advanced video technologies such as 3D dynamic digital compensation, 3D comb filter, and bandwidth auto compensation, this sturdy workhorse is well suited for a variety of audio/visual, security and industrial applications. Additional features include auto-clock frequency phase correction, built-in speakers and a user-friendly OSD that makes set-up and operation quick and easy.

Price: $499.00

M-Lynx-15SDI

The M-Lynx-15SDI delivers a stunning 1024 x 768 resolution picture in a 15" screen size. Using advanced video technologies such as 3D dynamic digital compensation, 3D comb filter, and bandwidth auto compensation, this sturdy workhorse is well suited for a variety of audio/visual, security and industrial applications requiring an SDI interface. Additional features include auto-clock frequency phase correction, built-in speakers and a user-friendly OSD that makes set-up and operation quick and easy.

Price: $1499.00

M-Lynx-17

With 1280 x 1024 resolution, the M-Lynx-17 universal monitor is an excellent choice for audio/visual, security and industrial applications. Incorporating advanced video technologies such as 3D dynamic digital compensation, 3D comb filter, and bandwidth auto compensation, this 17" LCD offers clear and vibrant images in a thin, lightweight package. Additional features include auto-clock frequency phase correction, built-in speakers and a user-friendly OSD that makes set-up and operation quick and easy.

Price: $579.00

M-Lynx-17SDI

With 1280 x 1024 resolution, the M-Lynx-17SDI universal monitor is an excellent choice for audio/visual, security and industrial applications requiring an SDI interface. Incorporating advanced video technologies such as 3D dynamic digital compensation, 3D comb filter, and bandwidth auto compensation, this 17" LCD offers clear and vibrant images in a thin, lightweight package. Additional features include autoclock frequency phase correction, built-in speakers and a user-friendly OSD that makes set-up and operation quick and easy.

Price: $1569.00

M-Lynx-19

The M-Lynx-19 offers a stunning 1280 x 1024 resolution picture, making it the perfect choice for audio/visual, security and industrial applications. This universal monitor delivers a crystal clear high definition picture and includes advanced video technologies such as 3D dynamic digital compensation, RGB digital phase lock, and 3D comb filter. Additional features include auto-clock frequency phase correction, built-in speakers and a user-friendly OSD.

Price: $679.00

M-Lynx-19SDI

The M-Lynx-19SDI offers a stunning 1280 x 1024 resolution picture, making it the perfect choice for audio/visual, security and industrial applications requiring an SDI interface. This universal monitor delivers a crystal clear high definition picture and includes advanced video technologies such as 3D dynamic digital compensation, RGB digital phase lock, and 3D comb filter. Additional features include auto-clock frequency phase correction, built-in speakers and a user-friendly OSD.

Price: $1699.00

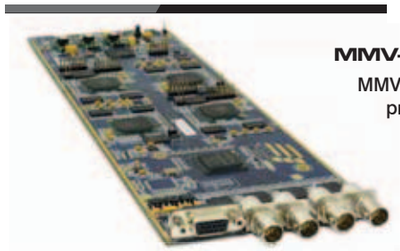
MMV-XXI - Multi-Viewer System

The Montage MMV-XXI modular video multi-viewer system offers high-density delivery of 3G-SDI, HDMI, and Composite video. The 1U platform unit supports up to 6 modules. One unit can support up to 21 video input channels. The output module provides one HDMI output and one VGA output along with analog audio. The MMV- XXI provides a Xio-BUS and uses a standard SNMP protocol which can be managed by a centralized monitoring and management system. Dual redundant power supplies are standard.

Multi-viewer Display

Multi-viewer GUI

Optional Input Modules

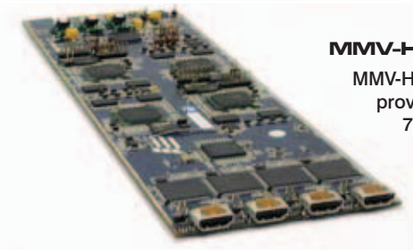


MMV-SDHD - HD-SDI x 4 input module

MMV-SDHD is an input module for the MMV modular multi-viewer system. The MMV-SDHD provides 4 channels of HD-SDI (auto detect) video input and 4 channels of analog audio input. The MMV-SDHD also provides tally interface, audio absence/silence/out-of-range detection, video freezing detection, EDH detection, real-time video analysis, waveform display, and dynamic UMD function. The MMV-XXI series multi image processor is ideal for displaying HDTV and other high resolution serial digital video.

MMV-CVSD - SDI/Composite x 4 input module

MMV-CVSD is a input module for MMV-XXI modular multi-viewer system. The MVS-CVSD provides 4 channels of SDI/Composite (auto detect) video input and 4 channels of analog audio input. The MVS-CVSD also provides tally interface, audio absence/silence/out-of-range detection, video freezing detection, EDH detection, real-time video analysis, waveform display, and dynamic UMD function.



MMV-HDMI - HDMI x 4 input module

MMV-HDMI is an HDMI input module for the MMV modular multi-viewer system. The MMV-HDMI provides 4 channels of HDMI inputs with embedded audio. It supports the input resolution of 720p, 1080i, and 1080p. The MMV-HDMI also provides audio absence/silence/out-of-range detection, video freezing detection, EDH detection, real-time video analysis, waveform display, and UMD function.

Optional Output Modules

MMV-HDOM - HDMI / VGA output module

MMV-HDOM is an HDMI output module for the MMV modular multi-viewer system. The MMV-HDOM provides one HDMI and one VGA output. The MMV- HDOM also provides an HDMI input channel which can be used for connecting a computer for monitoring. The output resolution is up to 1920x1080. The VGA port has an optional mini-insert module which gives the customer a VGA output and an audio output. Operator can use any web browser to remotely control the unit through a 1000/100M Ethernet port.

AR-VM1 3G-SDI Signal Supported Professional Audio Monitor

- Audio de-embedded from selected SDI input up to 16 channels
- 5.1ch to L/R downmix monitoring to support ISO/IEC 13818-7 and ARIB STD B-21
- High resolution LCD for audio level, VU meter, status and input video display
- 3G-SDI input and output capability
- GPI for remote control
- Smart and compact 1RU size
- DC power operation: 10 to 18V

Price: $5999.00

Screen display images:

Setting #1: L/R (Audio) Level Bar

Setting #2: 1-8ch Level Bar

Setting #3: L/R VU Meter

Setting #4: L/R Phase, L/R (Audio) Level Bar

Setting #5: L/R Peak Meter

Setting #6: L/R Spectrum Analyzer

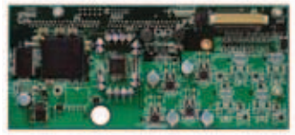
Setting #7: L/R (Audio), L/R Display Level Bar

Setting #8: L/R (Audio) Peak Display

Specifications:

Input	Unbalanced AES/EBU	4 pairs
	3G/HD/SD-SDI	2ch
Output	Unbalanced AES/EBU	4 pairs + 1 pair (speaker out)
	Analog RCA	L/R (speaker out)
	3G/HD/SD-SDI	1ch (monitor out)
Signal	Embedded audio	SMPTE 299M / 272M
	3G-SDI	SMPTE 424M
	HD-SDI	SMPTE 292M
	SD-SDI	SMPTE 259M
Format	HDTV	1080i60/59.94/50 1080p60/59.94/50/30/29.97/25/24/23.98 1080sF30/29.97/25/24/23.98 720p60/59.94/50/30/29.97/25/24/23.98
	SDTV	525i60/59.94 625i50
Control	GPI	D-Sub 15-pin
Display	LCD	320 dots × 96 lines
Voltage	12VDC (10-18V) 4-pin male XLR connector	
Operating temperature range	41º to 104º F / 5º to 40º C	
Dimensions	16.92" W × 1.73" H × 5.83" D (1RU size: excluding projected parts)	
Weight	5 lbs.	

ARDM-D552
Dolby® E / Dolby® Digital Decoder Module
* Required for multi-channel decoding
Price: $1799.00

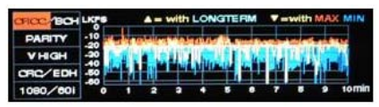


ARVM-1770*
Loudness Board
Price: $1899.00

ARVM-1770 Features*

Loudness

Display Loudness level in short term/long term in stereo and 5.1ch.
- Stereo / Loudness level is calculated with the L/R channel you select.
- 5.1ch / Calculate each channel of 5.1ch, and also total loudness level in 5.1ch.



Loudness History

- Measurement period: 0.4sec
- Wave in red: Max value
- Wave in yellow: Average value
- Wave in blue: Minimum value

Loudness VU meter

Measurement period: 0.4sec(Momentary)/1 to 10sec(Short term)
VU meter: Loudness level can be monitored in VU meter. The operator is used to monitoring in this way. As for the momentary loudness, as shown in loudness history, the loudness level varies very fast in wide range. So monitoring just in LKFS number is difficult to understand visually. In the case of VU meter, the movement of loudness level is easier to understand visually.

Loudness 5.1ch with Picture

Picture and 5.1ch Loudness in short term/long term.

True meter with loudness

True meter and loudness 5.1ch short term/long term.

Loudness 4 stereo mode

4 Stereo mode: The configuration of L/R pair is selectable.

Marshall Rack Mount Digital Audio Monitors with Dolby® Digital/Dolby® E Capability

Marshall Electronics offers the AR-DM Series Rack Mount Digital Audio Monitors – high quality, ultra-nearfield 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 Rack Mount Audio Monitors are ideal for TV facilities, studios, post production, VTR 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 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. The flagship AR-DM2-L provides dual 4" high resolution 640xRGBx480 LCD monitors capable of displaying a wealth of information, including a high contrast, tri-color 16-bar graph display in one window while showing critical Metadata or Channel Status information in the other. Channel, Group, Mix, Dolby®, Balance selection, and saved configurations are easily accessed via the system's large navigation buttons. For audio playback, 1RU units provide twin loudspeakers, while 2RU models provide larger, high performance transducers and subwoofer.

Digital

1RU Frames

AR-DM1
16 Channel Digital Audio Monitor-1RU Mainframe

Price: $2199.00

AR-DM1-B
16 Channel Digital Audio Monitor – 1RU Mainframe
with Tri-Color LED Bar Graphs

Price: $2599.00

- Only 1RU (1.75")
- 16 LED Indicators for channel presence (AR-DM1)
- 16 Tri-Color VU/PPM 10-Segment LED Bar Graphs (AR-DM1-B)
- User-configurable with a variety of modules
- 100% Digital Processing
- Class D Audio Amplification
- Dolby® Digital / Dolby® E Decoding
  (with optional ARDM-D552 module)
- Selectable Stereo Downmix Modes
- RS-485 Port enables on-site firmware upgrades
- Balance and Volume Control
- 1/4" Headphone Jack
- **4 Available Slots for Modules**

MIX & MATCH Modules

2RU Frames

AR-DM2-B
16 Channel Digital Audio Monitor-2RU Mainframe
with Tri-Color LED Bar Graphs

Price: $3099.00

AR-DM2-L
16 Channel Digital Audio Monitor-2RU Mainframe
with Dual High-Resolution LCD Displays

Price: $3599.00

- 16 Tri-Color VU/PPM 20-Segment LED Bar Graphs (AR-DM2-B)
- 2 High Resolution LCD Displays capable of displaying meters, metadata, channel status, and more (AR-DM2-L)
- User-configurable with a variety of modules
- 100% Digital Processing
- Class D Audio Amplification
- Powerful Stereo Speakers and Subwoofer
- Dolby® Digital / Dolby® E Decoding (with optional ARDM-D552 module)
- Selectable Stereo Downmix Modes
- RS-485 Port enables on-site firmware upgrades
- Balance and Volume Control
- 1/4" Headphone Jack
- **4 Available Slots for Modules**

MIX & MATCH Modules

Input / Output Modules

ARDM-HDSDI
- Multi-Rate SDI/HD-SDI Video Input (Auto-Detect)
- Re-Clocked SDI/HD-SDI Loop-Through Output
- SDI: SMPTE 259M-C / HD-SDI: SMPTE 292M
- Supports 8 Stereo Embedded Channels or Dolby® Multi-Channel Decoding*

Price: $499.00

ARDM-AES-BNC
- 4 Unbalanced AES/EBU Inputs (BNC)
- 4 Passive Loop-Through Outputs (BNC)
- Supports 4 Stereo Channels or Dolby® Multi-Channel Decoding*

Price: $499.00

ARDM-AES-XLR
- 4 Balanced AES/EBU Stereo Inputs (DB-25)
- 4 Passive Loop-Through Outputs (DB-25)
- Break-Out Cable included (DB-25 to 8 XLR)
- Supports 4 Stereo Channels or Dolby® Multi-Channel Decoding*

Price: $499.00

ARDM-AA-8XLR
- 8 Balanced Analog Audio Inputs (DB-25)
- Nominal level : 0, +4, +6, or +8 dBu = -20dBFs
- Break-Out Cable included (DB-25 to XLR)

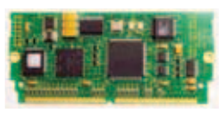
Price: $499.00

ARDM-AA-20UT
- 2 Balanced Analog Audio Outputs
- Nominal level : -20 dBFs = +8 dBu
- Excellent for on-the-fly 2-channel monitoring

Price: $499.00

ARDM-AES-4OUT
- 4 Unbalanced AES/EBU Outputs (75Ω BNC)
- Capable of 4 AES/EBU Outputs De-embedded from HD-SDI or SD-SDI input
- Capable of 4 AES/EBU Outputs Decoded from Dolby® E / Dolby® Digital bitstream*

Price: $499.00



ARDM-D552
Dolby® E / Dolby® Digital Decoder Module
* Required for multi-channel decoding

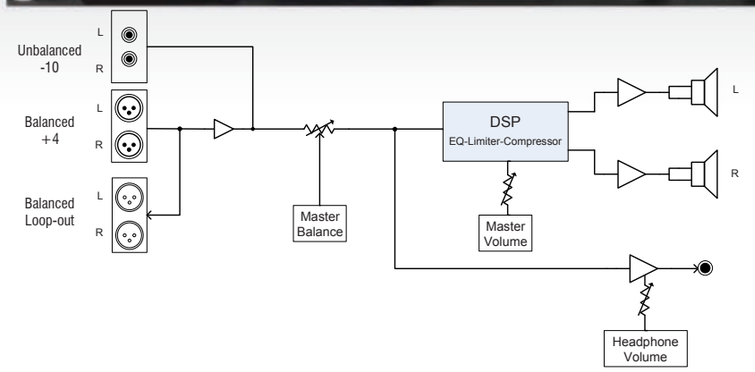
Price: $1799.00

**Requires optional Dolby® E / Dolby® Digital Decoder Module (ARDM-D552)*

Analog

AR-AM1 / High Quality 1RU Rack Mountable Analog Audio Monitor with Digital Signal Processing

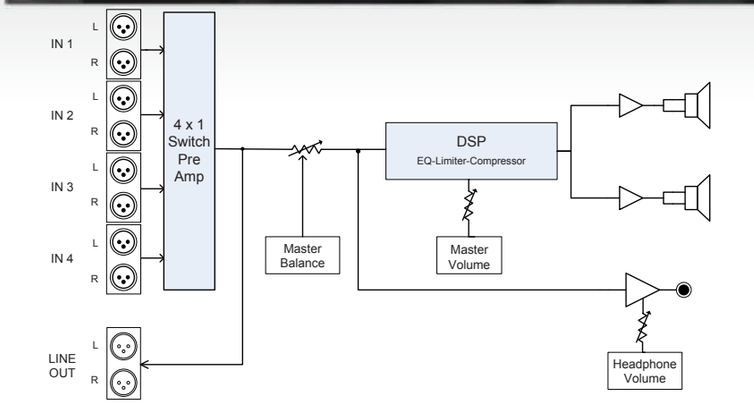
Price: $499.00



- Fits 1RU rack space
- High Fidelity Miniature Speakers
- Volume and Balance controls
- High Quality DSP Processing
- 1 Analog Stereo-Balanced XLR Input
- 1 Passive Stereo-Balanced XLR Output
- 1 Stereo Analog Unbalanced RCA Input
- 1/4" Stereo Headphone Jack on front panel
- CE approved / RoHS compliant

AR-AM4 / High Quality 1RU Rack Mountable Analog 4-Channel Audio Monitor with Digital Signal Processing

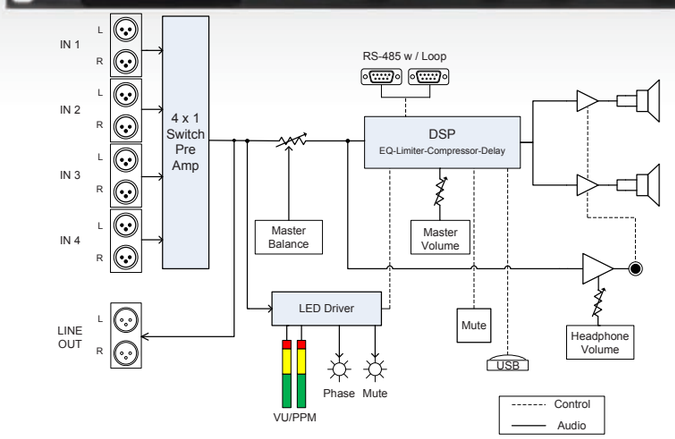
Price: $599.00



- Fits 1RU rack space
- High Fidelity Miniature Speakers
- Volume and Balance controls
- Channel Selector
- High Quality DSP Processing
- 4 Analog Stereo-Balanced XLR Inputs
- 1 Passive Stereo-Balanced XLR Output
- 1/4" Stereo Headphone Jack on front panel
- CE approved / RoHS compliant

AR-AM4-BG / High Quality 1RU Rack Mountable Analog 4-Channel Audio Monitor with DSP and Peak Meters

Price: $699.00



- Fits 1RU rack space
- High Fidelity Miniature Speakers
- Bi-Color Phase Indicator
- Volume and Balance controls
- Channel Selector
- Quality DSP Processing
- Rear panel RS-485 for external control
- 4 Analog Stereo-Balanced XLR Inputs
- 1 Passive Stereo-Balanced XLR Output
- 1/4" Stereo Headphone Jack on front panel
- Dual 10-Channel Bar Graph Peak Meters
- Headphones automatically mute internal speakers
- Front Panel Mute Button
- CE approved / RoHS compliant

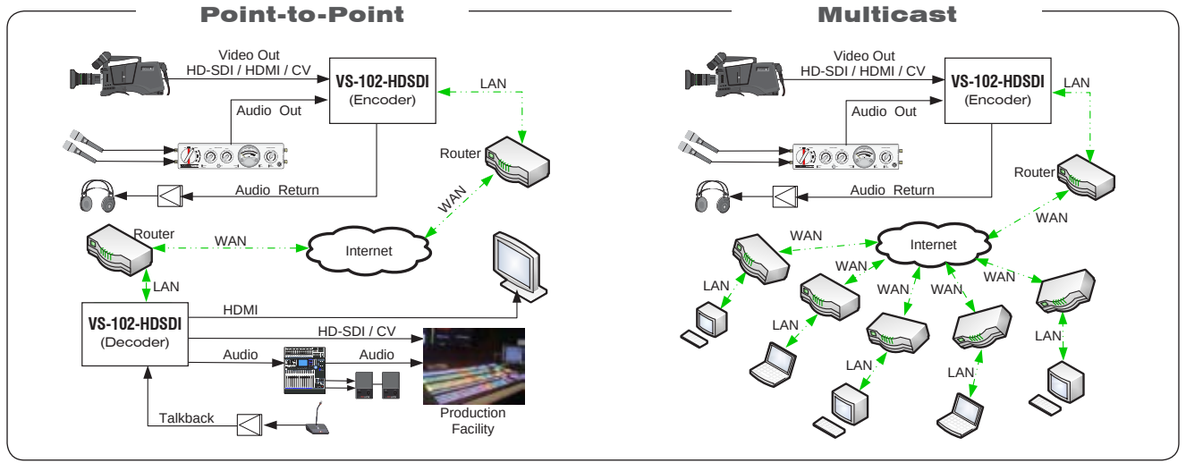
Marshall VS-102-HDSDI H.264-based Video Server (Codec System)

The Marshall VS-102-HDSDI is a High Definition Video Server that allows real-time transmission of an HD-SDI, HDMI, or NTSC/PAL composite video signals along with bi-directional AAC encoded high definition stereo audio over standard IP networks and the internet. The Marshall VS-102-HDSDI incorporates advanced H.264 and MJPEG compression technology. This allows 50% more compression capacity over an existing IP Network, while providing optimal video transmission quality even in networks with limited bandwidth.

Price: $1999.00

The VS-102-HDSDI may be configured to operate as a Point-to-Point talent monitoring system. For example, the unit can operate as an encoder to compress and transmit A/V data over a LAN to another VS-102-HDSDI located in a Green Room or other location. The other unit can act as a decoder which receives the compressed data through the LAN and restores the data to its' original high definition state. Additionally, other computers or VS-102-HDSDI decoders connected to the same network can monitor both the audio and video in multiple locations throughout a venue such as dressing rooms, stage manager, or box office at the same time. When properly configured, the VS-102-HDSDI may be simultaneously monitored through the internet.

- **High quality compression algorithm (H.264/MJPEG)**
- **AAC Advanced Audio Codec**
- **Encoder/Decoder selectable**
- **Full-duplex audio**
- **Supports video resolutions up to 1920 x 1080i at 60fps**
- **Protocols : TCP/IP, Multicast, HTTP, SMTP, SNMP, FTP, DHCP, DNS, Dynamic DNS, RTP, RTSP**
- **Real-time monitoring through Microsoft® Internet Explorer™**
- **Composite NTSC/PAL support**
- **HD-SDI support**
- **HDMI support**
- **Dynamic IP support with Dynamic DNS**
- **Power over Ethernet (PoE) support**
- **Local Data storage thru USB 2.0**
- **Automatic system recovery**
- **Support for PTZ and Controller**



SECTION		SPECIFICATION
System	System Mode	Encoder, Decoder
Network	Network Interface	Ethernet 10/100Base-T (RJ-45)
	Network Protocol	TCP/IP, UDP, Multicast, DHCP, SMTP, HTTP, SNMP, RTP, RTSP
Video	Standards	Dual Streaming (H.264/H.264, H.264/MJPEG)
	Data Rate	32Kbps ~ 8Mbps
	Resolution	1920x1080/60i ~ 352x240/30fps, 18 resolution step
	Frame Rate Range	1 ~ 30fps
	Frame Rate Range	NTSC : 0.2 ~ 30fps / PAL : 0.2 ~ 25fps
	Input 1	1 x HDMI type-A, HDMI RX
	Input 2	1 x BNC, SD/HD-SDI
	Input 3	1 x BNC, Composite NTSC/PAL
	Output 1	1 x HDMI type-A, HDMI TX
	Output 2	1 x BNC, HD-SDI
	Output 3	1 x BNC, Composite NTSC/PAL
	Motion Detection	Sensitivity Adjustment
Audio	Standards	AAC Advanced Audio Codec
	Sample Rate	Up to 128KHz
	Input	1 x Line-In (3.5mm Mini-Stereo, Stereo / Mono)
	Output	1 x Line-Out (3.5mm Mini-Stereo, Stereo / Mono)

2.0 Megapixel IP Cameras with Built-In 10x Zoom Lens and HDSDI Video Output

Marshall Electronics offers two new H.264 cameras that feature a built-in encoder for fast and easy integration into a local area network or via the Internet. Both cameras are completely compatible with Marshall's VS-102 H.264 Encoder / Decoder and provide Full HD 1920x1080 resolution.

VS-540-HDSDI

Price: $2799.00

VS-540-HDSDI
Rear View

- **2.0 Megapixel 1/3" CMOS Image Sensor**
- **Up to 30 fps at 1920 x 1080**
- **Dual Streaming (H.264/H.264, H.264/MJPEG)**
- **120x Zoom (10x Optical Zoom, 12x Digital Zoom)**
- **True Day & Night (ICR) capability**
- **Simultaneous HD-SDI Video Output**
- **SD™ Card Recording**
- **BLC (Back Light Compensation)**
- **RS-485 Communication**
- **On-Board Motion Detection**
- **Two-Way Audio Communication (G.711/AAC)**
- **1 Motion Sensor Input & Alarm Output**
- **Various Protocols : TCP/IP, Multicast, UDP, HTTP, SMTP, FTP, DHCP, DNS, Dynamic DNS, RTP, RTSP, SNMP**
- **SDK & API Available**

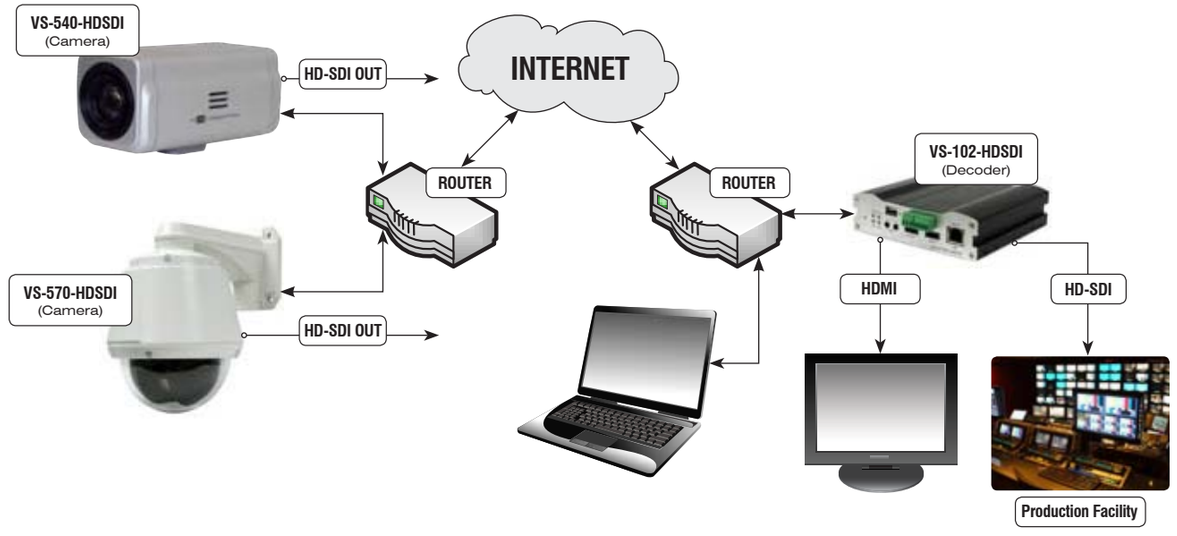
** The SD mark is a trademark od SD-3C LLC*

VS-570-HDSDI

Price: $3999.00

VS-570-HDSDI
Rear View

- **2.0 Megapixel 1/3" CMOS Image Sensor**
- **Up to 30 fps at 1920 x 1080**
- **Dual Streaming (H.264/H.264, H.264/MJPEG)**
- **x120 Zoom (x10 Optical Zoom, x12 Digital Zoom)**
- **True Day & Night (ICR)**
- **Simultaneous HD-SDI Video Output**
- **Vandal-Proof, IP67-rated Protection**
- **Fast & Smooth Motion with 360° Pan Rotation**
- **Max 128 Presets, 8 Swings, 4 Patterns, 8 Groups**
- **RS-485 Communication, Pelco D or Pelco P Protocol**
- **BLC (Back Light Compensation)**
- **On-Board Motion Detection**
- **Two-Way Audio Communication (G.711/AAC)**
- **2 Motion Sensor Inputs & 2 Alarm Outputs**
- **Various Protocols : TCP/IP, Multicast, UDP, HTTP, SMTP, FTP, DHCP, DNS, Dynamic DNS, RTP, RTSP, SNMP**
- **SDK & API Available**



Price: $1949.00

Price: $1999.00

V-C210B-HDSDI Block Camera

The V-C210B-HDSDI Block camera is a full HD production Block Camera module that can be mounted in the tightest spaces. Flexible HDMI and HD-SDI outputs provide a choice of video formats. The unit's small enclosure and wireless remote, combined with instant auto-focus and fast accurate zoom allow for extremely flexible POV camera placement. The V-C210B-HDSDI requires only a 12VDC supply and consumes less than 3.6 watts of power. Low light sensitivity along with wide dynamic range increases the possible uses for this versatile camera module.

V-C210-HDSDI Box Camera

The V-C210-HDSDI camera is designed for superior quality high resolution video up to 1920 x 1080i. The HD-SDI interface allows transmission of high definition video up to 200 meters over standard coaxial cable. An F1.8, f=4.5 to 45 mm 10x optical zoom lens along with 12x digital zoom combine for up to 120x magnification. All this is packaged in a small, sleek aluminum enclosure. A ¼"-20 mounting receptacle may be attached to either the top or the bottom of the enclosure. This along with horizontal and vertical flip allows easy mounting for almost any POV location.

- **Full HD 1920x1080, 1280x720, 30p/60i video**
- **HD-SDI video output**
- **HDMI, Composite, S-Video output (V-C210B-HDSDI)**
- **RS-232 I/O**
- **IR Control**
- **10X Optical Zoom F1.8 Lens**
- **Built-in Electronic Image Stabilization**
- **Sleek aluminum enclosure (V-C210-HDSDI)**
- **¼"-20 mounting receptacle (V-C210-HDSDI)**

V-C210B-HDSDI BLOCK CAMERA / V-C210-HDSDI BOX CAMERA SPECIFICATIONS:

Image Sensor	1 / 2.5" CMOS	Gain	Auto / Manual
Pixels	2,200,000	Backlight Control	On / Off
Video Outputs	**V-C210B-HDSDI**: HD-SDI, HDMI, S-Video and Composite **V-C210-HDSDI**: HD-SDI	Image Flip	Vertical and Horizontal
Lens	**V-C210B-HDSDI**: 10X zoom (F1.8), f=4.5mm to 45mm **V-C210-HDSDI**: 10X zoom (F1.8), f=5.1mm to 51mm	Output Formats	1080i/59.94, 1080i/50, 720p/59.94, 720p/50 NTSC / PAL
Digital Zoom	12X (120x with optical zoom)	Voltage Input	**V-C210B-HDSDI**: 7 to 18V DC **V-C210-HDSDI**: 12V +/-2 DC
Min Illum	12Lux (F1.8 @50IRE)	Power Consumption	**V-C210B-HDSDI**: 3.6W @ 12V DC **V-C210-HDSDI**: 6W @ 12V DC
OSD	Yes	Weight	**V-C210B-HDSDI**: 8.5 oz. **V-C210-HDSDI**: 1 lb.
Focus	Auto / Manual OSD selectable	Dimensions	**V-C210B-HDSDI**: 2.2" x 2" x 2.5" **V-C210-HDSDI**: 2.6" x 2.4" x 5.5"
Control I/O	RS-232, I/R		
Shutter Speed	½ to 1/10,000 sec		

Portable ATSC Field Monitors

The digital transition is here and Marshall has you covered. Marshall is pleased to offer three portable LCD field monitors with built-in digital ATSC tuners. These 16:9 monitors are available in 7", 10.2", and 11" sizes and comply with the Federal Communications Commission (FCC) mandate requiring the conversion of analog broadcast signals to digital. No digital-to-analog converter box required. Not only do these monitors provide portable television, but they are perfect for mobile ENG / OB Vans, surveillance, and security. These units can be integrated into fixed solutions and fed with a CATV or CCTV signal. Each unit also supports QAM (or ClearQAM) tuning, which allows viewing of non-encrypted digital channels.

V-LCD70-ATSC
Price: $269.00

7" ATSC / QAM / NTSC LCD TV	
Resolution	480 x 234
Aspect Ratio	16 : 9
Contrast	300 : 1
Brightness (cd/m²)	200
Video Input	1Vp-p 75 ohm (two route)
Audio Input	2Vp-p two channels (L & R)
Audio output	Build-in loudspeaker (0.5W x 2)
Input Resistance	Input Resistance
Input bit rate	Max. 19.4Mbit/s
Audio decoding	AC-3
Sound output	Stereo/2-channel (Left & Right)
QAM Modulation	64-QAM, 256-QAM, 8-VSB
Frequencies	CATV (STD, IRC, HRC) AIR: CH2-69 CATV: CH2-125
OSD menu language	English, French, Spanish
Power supply	AC 110-240V, DC 12V 10W
Accessories	Remote control, AC/DC adapter, support bracket, A/V cable and manual

V-LCD102-ATSC
Price: $399.00

10.2" ATSC / QAM / NTSC LCD TV	
Resolution	800 x 480
Aspect Ratio	16 : 9
Contrast	400 : 1
Brightness (cd/m²)	180
Video Input	1Vp-p 75 ohm (two route)
Audio Input	2Vp-p two channels (L & R)
Audio output	Build-in loudspeaker (0.5W x 2)
Input Resistance	Input Resistance
Input bit rate	Max. 19.4Mbit/s
Audio decoding	AC-3
Sound output	Stereo/2-channel (Left & Right)
QAM Modulation	64-QAM, 256-QAM, 8-VSB
Frequencies	CATV (STD, IRC, HRC) AIR: CH2-69 CATV: CH2-125
OSD menu language	English, French, Spanish
Power supply	AC 110-240V, DC 12V 10W
Accessories	Remote control, AC/DC adapter, 75 ohm antenna conversion cable (screw connector), U-shaped, support bracket, A/V cable and manual

V-LCD110-ATSC
Price: $399.00

11" ATSC / QAM / NTSC LCD TV	
Resolution	800 x 480
Aspect Ratio	16 : 9
Contrast	500 : 1
Brightness (cd/m²)	200
Video Input	1Vp-p 75 ohm (two route)
Audio Input	2Vp-p two channels (L & R)
Audio output	Build-in loudspeaker (0.5W x 2)
Input Resistance	Input Resistance
Input bit rate	Max. 19.4Mbit/s
Audio decoding	AC-3
Sound output	Stereo/2-channel (Left & Right)
QAM Modulation	64-QAM, 256-QAM, 8-VSB
Frequencies	CATV (STD, IRC, HRC) AIR: CH2-69 CATV: CH2-125
OSD menu language	English, French, Spanish
Power supply	AC 110-240V, DC 12V 10W
Accessories	Remote control, AC/DC adapter, 75 ohm antenna conversion cable (screw connector), U-shaped, support bracket, A/V cable and manual

MXL® USB Microphones & Adapters

MXL® Microphones (the professional audio division of Marshall Electronics) offers a complete series of USB microphones and adapters. These USB mics and adapters were designed with the broadcast industry in mind. Record high-quality vocals or narration directly to your laptop or desktop without an audio interface, mixer, or preamp! No special drivers required!

The MXL® USB microphones and adapters make a great solution for field recording, podcasts, interviews, music, and meetings. A number of TV stations are currently using our USB microphones to connect to a laptop and record straight onto the timeline of their non-linear editing software. This eliminates the costly, time-consuming process of disconnecting and reconnecting a camera to a computer in order to record vocal tracks on-location. MXL® USB microphones streamline the news editing process without additional gear, while providing studio-quality audio. MXL® audio products provide a viable, cost-effective solution for the broadcast industry, while improving efficiency and workflow.

USB Microphones

Studio 1
Pro-Quality USB Condenser Mic with Headphone Jack

- Frequency Response: 40Hz to 20kHz
- Sampling Rate: 44.1kHz and 48kHz
- Bus Powered
- USB 1.1 and 2.0 Compatible
- 16-bit Delta Sigma A/D Converter with THD+N - 0.01%
- No Special Drivers Required

Price: $129.95

USB.006
Gold Diaphragm USB Condenser Mic

- 22mm Capsule
- Gold Sputtered Diaphragm
- Frequency Response - 20Hz to 20kHz
- Sampling Rate - 44.1 and 48kHz
- Bus Powered
- USB 1.1 and 2.0 Compatible
- Three Position Analog Gain Control
- 16-bit Delta Sigma A/D Converter with THD+N – 0.01%
- No Special Drivers Required

Price: $169.00

USB.007 Stereo
Dual Gold Diaphragm USB Condenser Mic

- Two 22mm Capsules in a 90 degree XY configuration
- Discrete Left and Right Signal Paths to Minimize Crosstalk
- Adjustable Stereo Width (after recording and during mixing)
- Gold Sputtered Diaphragms
- Frequency Response - 20Hz to 20kHz
- Sampling Rate - 44.1 and 48kHz
- Bus Powered
- USB 1.1 and 2.0 Compatible
- Three Position Analog Gain Control
- 16-bit Delta Sigma A/D Converter with THD+N – 0.01%
- No Special Drivers Required

Price: $219.95

USB.009
Professional 24-bit/96 kHz Gold Diaphragm USB Condenser Mic

- 32mm Pressure Gradient Capsule
- 6-Micron Gold Sputtered Diaphragm
- 114dB dynamic range
- USB 1.1 and 2.0 Compatible
- Analog gain control before the A/D
- Built-in Headphone Amplifier
- Zero Latency Monitoring
- Mix control between live mic and computer playback
- USB powered
- Bit Depths available: 16 and 24
- Sample rates available: 44.1kHz, 48kHz, 96kHz

Price: $599.95

Mac® / PC compatible

USB Adapters

Price: $149.95

Mic Mate™ PRO

- Studio-quality USB Microphone Adapter / Preamp
- Adapts any existing condenser microphone to USB
- Supplies 48V Phantom Power
- Zero latency monitoring
- Gain and headphone controls
- 1/8-inch headphone jack
- Easy Plug and Record - no special drivers required!
- Fully balanced low noise analog front-end
- Compact travel size with heavy duty diecast metal construction

Price: $99.95

Mic Mate™ DYNAMIC

- Studio-quality USB Dynamic Microphone Adapter / Preamp
- Adapts any existing dynamic microphone to USB
- Perfect companion for SM-57/58, RE50, and 635N/DB
- Easy Plug and Record - no special drivers required!
- Fully balanced low noise analog front-end
- Three position analog gain control
- Compact travel size with heavy duty diecast metal construction
- Modifications for Ribbon mics available

Mac® / PC compatible

USB-77 *Classic-style USB microphone*

- **Classic design with studio-quality sound**
- **Zero latency direct monitoring**
- **Includes 1/8-inch stereo headphone jack**
- **High quality headphone amplifier and analog gain controls**
- **PC and Mac® compatible**

Price: $349.95

V177 *Low Noise, Condenser Microphone*

- **Classic body design with modern condenser technology**
- **Provides crystal-clear sound quality and detail**
- **Excels in any recording application**
- **Includes 6-micron gold-sputtered diaphragm**

Price: $399.95

Boundary Microphones

Phantom-powered three-capsule boundary mics make it easy to find the right solution for every job

Price: $199.95

FR-400
Has a wide pattern to capture everything on a stage and includes a bass cut/boost switch to even out the tonality.

Price: $119.95

FR-401M
Has a more directional pattern to reject nearby unwanted sounds and has a built-in 15' XLR cable.

Price: $129.95

FR-402
Connects directly to a camera for the fastest way to record tabletop interviews with great results. Includes a 15' mini-XLR to XLR cable.

FR-401M shown

MXL is a registered trademark of Marshall Electronics Inc. Mac® is a trademark of Apple Inc., registered in the U.S. and other countries.

Camera-Top Monitors

Camera-Top / Field Monitors

Marshall Electronics is a leading manufacturer of LCD camera-top monitors for broadcast, multimedia, video, film, and news professionals worldwide. We offer a large assortment of outdoor field monitors and portable HD-DSLR confidence monitors for video and film recording. Marshall's on-board / jib monitors are the perfect solution for photographers and videographers using HD-DSLR cameras to capture HD video and stills. Marshall offers the widest assortment of monitors, with a wide variety of features and functionality. The majority of these monitors are designed, engineered, and assembled just a few miles from Hollywood.

V-LCD50-HDMI — 5" Small 800 x 480 Camera-Top / Portable Field Monitor with HDMI

BEST SELLER

Price: $599.00

- 800 x 480 LCD panel
- Manual Gamma Adjustment
- Adjustable Backlight
- Image Flip
- ¼"-20 Mount
- Variety of Markers, including user-adjustable
- False Color On/Off
- Peaking Filter On/Off
- 4 user-configurable function buttons
- Scratch Resistant Protective Screen
- RGB gain and bias control
- RGB Check Field/Field Detect
- Uses 4 AA batteries

V-LCD56MD — 5.6" High Resolution Camera-Top Monitor with Modular Input/Output

COMING SOON

MD
MODULAR DESIGN

Price: TBD

- High resolution 1280 x 800 LCD panel
- Dual HDMI Inputs
- Single MD slot for a variety of Inputs or Outputs
- Adjustable LED Backlight
- DSLR Ratio Adjustment
- HDMI Auto Color Space and Ratio detect
- Manual Gamma Adjustment
- Image Flip
- 1/4"-20 mounts on all sides
- Variety of Markers, including user-adjustable
- HDMI Loop-Through
- False Color / Peaking Filter
- Variety of User-Replaceable Battery Adapters available

V-LCD651STX-HDMI — 6.5" Lightweight Super Transflective Portable Field / Camera-Top Monitor

Price: $1999.00*

- Super Transflective 1024 x 768 LCD panel
- Durable, thin, and lightweight construction
- 650 cd/m² brightness, 500:1 contrast ratio
- 4 user-configurable function buttons
- RGB gain and bias control
- HDMI Auto Color Space and Ratio detect
- Optional Heavy-Duty Protective Shield
- False Color On/Off
- Peaking Filter On/Off
- RGB Check Field / Field Detect
- 16:9, 4:3, Pixel-to-Pixel modes
- User-adjustable panning (Pixel-to-Pixel mode)
- Variety of Markers, including user-adjustable
- Variety of User-Replaceable Battery Adapters available

V-LCD651STX-3GSDI — 6.5" Lightweight Super Transflective Portable Field / Camera-Top Monitor

Price: $2199.00*

- Super Transflective 1024 x 768 LCD panel
- Durable, thin, and lightweight construction
- 650 cd/m² brightness, 500:1 contrast ratio
- 4 user-configurable function buttons
- RGB gain and bias control
- User-adjustable panning (Pixel-to-Pixel mode)
- Signal Integrity Meter (3G-SDI input only)
- Optional Heavy-Duty Protective Shield
- False Color On/Off
- Peaking Filter On/Off
- RGB Check Field / Field Detect
- 16:9, 4:3, Pixel-to-Pixel modes
- Variety of Markers, including user-adjustable
- Variety of User-Replaceable Battery Adapters available

** There is a cost difference with larger batteries. Prices shown with small battery configuration.*

V-LCD70XP-HDMIPT — 7" Small Portable Field / Camera-Top LCD Monitor with HDMI Loop-Through

BEST SELLER

Price: $1099.00*

- 800 x 480 LCD panel
- DSLR Ratio Adjustment
- HDMI Auto Color Space and Ratio detect
- Manual Gamma Adjustment
- Adjustable Backlight
- Image Flip
- 1/4"-20 mounts on all sides
- Variety of Markers, including user-adjustable
- HDMI Loop-Through
- False Color On/Off
- Peaking Filter On/Off
- RGB Check Field / Field Detect
- 15:9, 16:9, 4:3, Pixel-to-Pixel modes
- 4 user-configurable function buttons
- Scratch Resistant Protective Screen
- RGB gain and bias control
- Variety of User-Replaceable Battery Adapters available

V-LCD70XP-3GSDI — 7" Small Portable Field / Camera-Top LCD Monitor with 3G-SDI

Price: $1199.00*

- 800 x 480 LCD panel
- Manual Gamma Adjustment
- Adjustable Backlight
- Image Flip
- 1/4"-20 mounts on all sides
- Variety of Markers, including user-adjustable
- False Color On/Off
- Peaking Filter On/Off
- RGB Check Field / Field Detect
- 15:9, 16:9, 4:3, Pixel-to-Pixel modes
- Scratch Resistant Protective Screen
- 4 user-configurable function buttons
- RGB gain and bias control
- Variety of User-Replaceable Battery Adapters available

V-LCD70XHB-HDMIPT — 7" High Brightness Field / Camera-Top LCD Monitor with HDMI Loop-Through

NEW

Price: $1199.00*

- High Brightness 800 nit LCD panel
- DSLR Ratio Adjustment
- HDMI Auto Color Space and Ratio detect
- Manual Gamma Adjustment
- Adjustable Backlight
- Image Flip
- 1/4"-20 mounts on all sides
- Variety of Markers, including user-adjustable
- HDMI Loop-Through
- False Color On/Off
- Peaking Filter On/Off
- RGB Check Field / Field Detect
- 15:9, 16:9, 4:3, Pixel-to-Pixel modes
- 4 user-configurable function buttons
- Scratch Resistant Protective Screen
- RGB gain and bias control
- Variety of User-Replaceable Battery Adapters available

V-LCD70XHB-3GSDI — 7" High Brightness Field / Camera-Top LCD Monitor with 3G-SDI

NEW

Price: $1299.00*

- High Brightness 800 nit LCD panel
- Manual Gamma Adjustment
- Adjustable Backlight
- Image Flip
- 1/4"-20 mounts on all sides
- Variety of Markers, including user-adjustable
- False Color On/Off
- Peaking Filter On/Off
- RGB Check Field / Field Detect
- 15:9, 16:9, 4:3, Pixel-to-Pixel modes
- Scratch Resistant Protective Screen
- 4 user-configurable function buttons
- RGB gain and bias control
- Variety of User-Replaceable Battery Adapters available

** There is a cost difference with larger batteries. Prices shown with small battery configuration.*

V-LCD70MD — 7” High Brightness Camera-Top Monitor with Modular Input/Output

COMING SOON

- High Brightness 800 nit LCD panel
- 800 x 480 resolution
- Dual HDMI Inputs
- Adjustable LED Backlight
- Single MD slot for a variety of Inputs or Outputs
- DSLR Ratio Adjustment
- HDMI Auto Color Space and Ratio detect
- Manual Gamma Adjustment
- Image Flip
- 1/4”-20 mounts on all sides
- Variety of Markers, including user-adjustable
- HDMI Loop-Through
- False Color / Peaking Filter
- 4 user-configurable function buttons
- Scratch Resistant Protective Screen
- Variety of User-Replaceable Battery Adapters available

MD MODULAR DESIGN

Price: TBD

V-R841DP-AFHD — 8.4” High Definition Monitor with all Digital / Analog HD/SD Inputs

Price: $2699.00

- High Definition 8.4-inch 2.4 TFT-MegaPixel screen with 1024 x 768 resolution
- Over 16.7 million colors
- V-Mount battery adapter included
- 100% digital processing
- High resolution scaling of all images
- CRT-style viewing radius - 170° in all directions
- Standard Multi-format inputs:
  - HD-SDI (all formats)
  - SDI (ITU-R BT601 format)
  - Composite Video PAL/NTSC
  - S-Video (Y/C)
  - Component Analog HD/SD
  - SXGA (1280x1024) display
  - DVI-I (all formats)
- Works with all SMPTE/ITU analog and serial digital production formats and frame rates
- Easy-to-see three color tally indicators
- Built-in Color Bars
- Adjustment Settings Memory
- Calibrated Color Temperature and Gamma
- Durable Metal Enclosure
- Includes ¼-20 mounting plate that can be attached to any edge of the enclosure (additional mounting plates available)

V-LCD84SB-AFHD — 8.4” Outdoor High Definition Monitor with all Digital / Analog HD/SD Inputs

Price: $1999.00

- High Luminance Backlight
- Low Reflective Properties
- Wider color reproduction for richer colors
- Crisper, sharper images (textual / graphical information)
- Outstanding Front-of-Screen Performance
- Wide Viewing Angle
- Extended Temperature Rating
- Standard Multi-format inputs:
  - HD-SDI (all formats)
  - SDI (ITU-R BT601 format)
  - Component Analog HD/SD
  - Composite Video NTSC/PAL
  - S-Video (Y/C)
  - DVI-I (all formats)
  - Computer Input (HD-15)
- High Definition 8.4-inch TFT-MegaPixel screen with 800 x 600 resolution
- Over 16.7 million colors
- 650 candelas per square meter (cd/m²)
- 600:1 ratio of contrast
- Pixel-to-Pixel native resolution scaling
- Blue Gun for color adjustment
- Zoom function
- Direct access for all adjustments
- Works with all SMPTE/ITU analog and serial digital production formats and frame rates

OR-841-HDSDI — 8.4” High-End Rack Mountable / Camera-Top / Portable Field Monitor

Price: $3099.00

- Real-Time Waveform Monitor
- Real-Time Color Vectorscope
- Auto White Balance Calibration
- Sixteen 64-segment Tri-color Audio Meters
- Tri-Color Tally Indicator
- On-Screen Time Code
- 7 assignable GPI inputs
- Adjustable Color Temperature
- Auto-Sensing Front Panel Headphone Jack
- Auto-Sensing Rear Unbalanced Stereo Output
- Adjustable Clipping Indicator
- Precision Gamma Settings
- Adjustable Color Temperature
- Variety of Safety Markers
- HD-SDI / SDI Inputs and Output
- Supports 3 different Battery Adapters
- Factory-installed Protective Screen
- Adjustable / Detachable Stand with top handle

V-LCD90MD — 9” High Resolution Camera-Top Monitor with Modular Input/Output

COMING SOON

- High resolution 1280 x 768 LCD panel
- Dual HDMI Inputs
- Adjustable LED Backlight
- DSLR Ratio Adjustment
- Manual Gamma Adjustment
- Image Flip
- 1/4”-20 mounts on all sides
- HDMI Auto Color Space and Ratio detect
- Single MD slot for a variety of Input or Output formats
- Variety of Markers, including user-adjustable
- HDMI Loop-Through
- False Color / Peaking Filter
- 4 user-configurable function buttons
- Scratch Resistant Protective Screen
- Variety of User-Replaceable Battery Adapters available

MD MODULAR DESIGN

Price: TBD

V-R901DP-AFHD — 9” High Definition Monitor with all Digital / Analog HD/SD Inputs

Price: $2799.00

- High Definition 9” screen with 800x480 resolution
- Over 16.7 million colors
- 100% digital processing
- High resolution scaling of all images
- 400 candelas per square meter (cd/m²)
- 600:1 ratio of contrast
- Pixel-to-Pixel native resolution scaling
- Extended Temperature Rating
- Blue Gun for color adjustment
- Zoom function
- Direct access for all adjustments
- Built-in Color Bar Generator
- Standard inputs:
  - HD-SDI (all formats)
  - SDI (ITU-R BT601 format)
  - Composite Video PAL/NTSC
  - Y/C (S-Video)
  - Component Analog HD/SD
  - XGA computer display
  - DVI-I (all formats)

OR-901-3GSDI — 9” Rack Mountable / Camera-Top / Portable LCD Field Monitor with 3D SBSH Anaglyph monitoring

Price: $3399.00

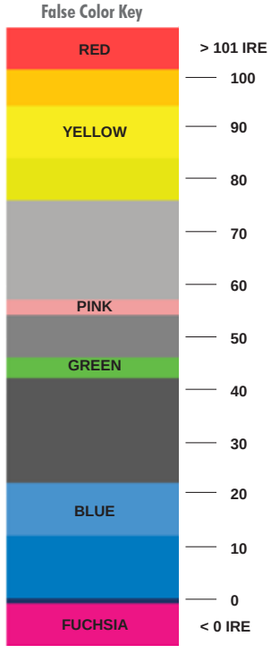
- Real-Time Waveform Monitor
- Adjustable Clipping Indicator
- Real-Time Color Vectorscope
- Five 3D production views
- Four Anaglyph 3D Displays
- Auto White Balance Calibration
- Sixteen 64-segment Tri-color Audio Meters
- On-Screen Time Code
- 7 assignable GPI inputs
  - Adjustable Color Temperature
  - Precision Gamma Settings
  - Adjustable Color Temperature
- False Color Mapping with two modes
- Histogram
- Auto-Sensing Rear Unbalanced Stereo Output
- Auto-Sensing Front Panel Headphone Jack
- Built-in front panel Speaker
- Auto-Sensing Rear Unbalanced Stereo Output
- Audio Log Graph
- Audio Phase Display
- Variety of Safety Markers
- Adjustable User Marker
- G-Marker (indicates horizontal position)
- Tri-Color Tally Indicator

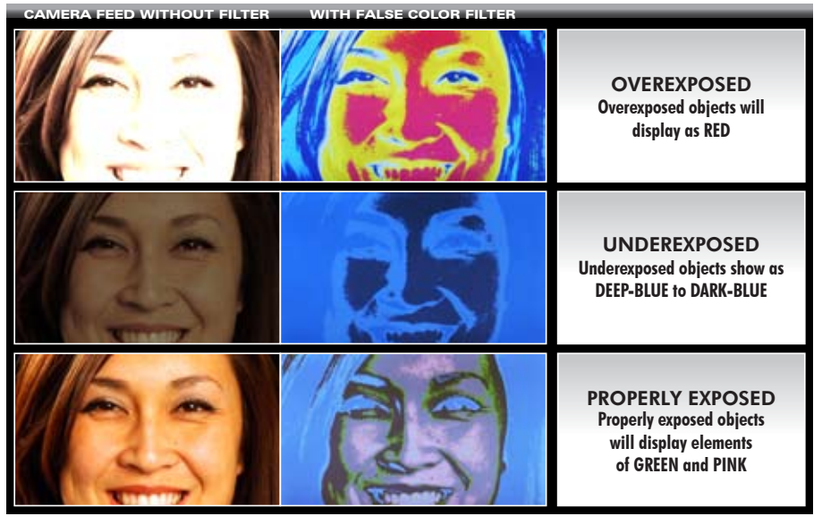
OR-901-XDI — 9” Rack Mountable / Camera-Top / Portable LCD Field Monitor with Input-to-Output Cross Conversion

Price: $3699.00

- HDMI input with Pass-through
- Full Input-to-Output Cross Conversion
- Real-Time Waveform Monitor
- Adjustable Clipping Indicator
- Real-Time Color Vectorscope
- Five 3D production views
- Four Anaglyph 3D Displays
- Auto White Balance Calibration
- Sixteen 64-segment Tri-color Audio Meters
- On-Screen Time Code
- 7 assignable GPI inputs
- Adjustable Color Temperature
- Precision Gamma Settings
- Adjustable Color Temperature
- False Color Mapping with two modes
- Histogram
- Auto-Sensing Rear Unbalanced Stereo Output
- Auto-Sensing Front Panel Headphone Jack

False Color Filter





The **False Color Filter** is used to aid in the setting of camera exposure.
As the camera Iris is adjusted, elements of the image will change color based on the luminance or brightness values. This enables proper exposure to be achieved without the use of costly, complicated external test equipment.

Peaking Filter (Focus Assist)

The **Peaking Filter** is used to aid the camera operator in obtaining the sharpest possible picture. When activated, all color will be removed from the display and a black-and-white image will remain. The internal processor will display RED color on the screen where sharp edges appear. When the camera operator adjusts (or "racks") the focus control (on the camera lens), different parts of the image will have RED colored edges. This indicates that this portion of the image

is sharp or in focus. Final focus is achieved by racking the camera lens focus control back and forth until the desired portion of the image has RED colored edges. This feature is most effective when the subject is properly exposed and contains enough contrast to be processed.

DSLR Ratio Adjustment

Marshall's new DSLR RATIO ADJUSTMENT feature allows users to scale video that does not completely fill the monitor's screen when connected via HDMI in "Record" mode on certain Canon DSLRs. This new feature allows the user to scale their DSLR video output, fill the screen, and eliminate black pillar bars with a variety of options to choose from. The user has the option of choosing between NORMAL, 3:2, 16:9, and FULL SCREEN. The DSLR RATIO ADJUSTMENT feature can be programmed to one of the front panel's four-button presets for quick and easy access.

CAMERA-TOP MONITOR ACCESSORIES

Marshall Electronics' popular and award winning lineup of portable camera-top monitors just got better. Our picture performance, feature set, customer service, and experience is why the industry's leading photographers, videographers, and camera operators prefer Marshall over the competition. Marshall is constantly raising the bar and our 6.5" STX and 7" XP monitors are no exception.

V-LCD-HI Camera Horizon Indicator for 6.5" STX and 7" XP Monitors*

Price: $275.00

Hot Shoe Mount included

The V-LCD-HI is an optional adapter that allows the user to accurately position their equipment for stable and level shooting. This is especially useful for Steadicam® operators and those that require stable or level shots. By placing the V-LCD-HI sensor to the camera, tripod or other mounting surface, the Marshall LCD monitor display can be used precisely adjust the level of a tripod, camera, or Steadicam rig. The on-screen Horizontal and Vertical level meters indicate when the equipment is level, perpendicular and properly balanced to the horizon. This optional adapter allows these monitors to offer expanded features and flexibility.

** This accessory can only be used with V-LCD70XP and V-LCD651STX series with software versions 3.46 or higher.*

V-LCD-TB Camera-Top Tally Box for 6.5" STX and 7" XP Monitors*

Price: $149.00

The V-LCD-TB is an optional adapter that provides both Front and Rear tally functionality to Marshall's portable field monitors. The V-LCD-TB assists in production work by providing camera status to those on-set or in the field. This lightweight tally box provides tri-color front talent LEDs with a dimmer switch to adjust the desired brightness of tally indicators. The rear camera tally provides a red glow to alert the cameraman, studio, or audience members of current shooting status.

** This accessory is only compatible with the V-LCD70XP and V-LCD651ST monitor series.*

Optional Accessories

V-H70X
Hood for V-LCD70XP 7" monitor
Price: $19.99

V-H50
SHORT Hood for V-LCD50-HDMI 5" monitor
Price: $19.99

V-NF1108-CA
Price: $149.00

V-DG1108-CA
Price: $169.95

V-MG1106
Price: $178.95

Articulating arms provide a flexible way to mount a monitor onto your camera.

V-LCD-MT-01
Camera Hot Shoe Mount
Attaches monitor to camera. Supports up to 5.6" monitors.
Price: $24.95

Monitor Battery Compatibility

MARSHALL MOUNTING PLATE ADAPTER	BATTERY TYPE	RECOMMENDED BATTERY / VOLTAGE
Field-Interchangeable Battery Adapter Options		
CM - Part # 0071-1307-A	Canon	Canon BP-970G / 7.2V
JM - Part # 0071-1308-A	JVC	JVC BN-V438U / 7.2V
PM - Part # 0071-1306-A	Panasonic	Panasonic CGA-D54 / 7.2V
PV - Part # 0071-1309-A	Panasonic	Panasonic VW-VBG6 / 7.2V
SB - Part # 0071-1305-A	Sony B Series	Sony BP-V60 / 14.4V
SM - Part # 0071-1304-A	Sony M Series	Sony NP-QM91 / 7.2V
SL - Part # 0071-1303-A	Sony L Series	Sony NP-F970 / 7.2V
AB - Part # V-ABA-02*	Anton Bauer *(Uses Anton Bauer Gold Mount plate)*	Anton Bauer Hytron 50 14.4V
VM - Part # IDX-M-EB-RAW*	V-Mount *(Uses IDX plate with riser)*	E-75 14.4V

** There is a cost difference with larger batteries.*

V-R25P

- 480 x 234 pixels — $3299.00
- 90 degree tilt adjustment while mounted in rack
- Automatic NTSC/PAL Video Signal Detection
- Ten Composite Video Inputs with active loop-through feature

Physical Specs: 10 # of screens | 2.5" screen size | 4:3 aspect ratio | 480×234 resolution | 250 bright | 300:1 contrast | 1 RU | 2.65" depth

Inputs per Screen: COMPOSITE Loop-Through

V-R35P-SDI

- 320 x 234 pixels — $4599.00
- Automatic NTSC/PAL video signal detection screen
- Self-Terminated video inputs with active loop-through

Physical Specs: 10 # of screens | 3.5" screen size | 4:3 aspect ratio | 320×234 resolution | 250 bright | 350:1 contrast | 3 RU | 2.5" depth

Inputs per Screen: SDI Loop-Through

V-R28P

- Eight displays in 1RU — $2299.00
- 480 x 240 pixels
- Automatic NTSC/PAL Signal Detection for each display

Physical Specs: 8 # of screens | 2" screen size | 4:3 aspect ratio | 480×234 resolution | 250 bright | 250:1 contrast | 1 RU | 2.5" depth

Inputs per Screen: COMPOSITE Loop-Through

V-R28P-SDI

- Eight displays in 1RU — $3599.00
- 480 x 240 pixels
- Automatic NTSC/PAL Signal Detection for each display

Physical Specs: 8 # of screens | 2" screen size | 4:3 aspect ratio | 480×240 resolution | 250 bright | 250:1 contrast | 1 RU | 2.5" depth

Inputs per Screen: SDI Loop-Through

V-R44P

- 480 x 234 pixels — $1699.00
- Ultra bright panels with 300 cd/m² luminance
- NTSC/PAL auto recognition
- Ultra-compact design fits in EIA standard rack 2U high

Physical Specs: 4 # of screens | 4" screen size | 4:3 aspect ratio | 480×234 resolution | 250 bright | 250:1 contrast | 2 RU | 1.9" depth

Inputs per Screen: COMPOSITE

Features: TALLY

V-R44P-DVI

- 100% digital processing — $3599.00
- Four 4-inch 4:3 screens
- High resolution scaling of all images

Physical Specs: 4 # of screens | 4" screen size | 4:3 aspect ratio | 640×480 resolution | 350 bright | 300:1 contrast | 2 RU | 2.1" depth

Inputs per Screen: DVI

Features: TALLY

V-R44DP-SDI

- 100% digital processing — $2999.00
- Four 3.5-inch 4:3 screens
- High resolution scaling of all images

Physical Specs: 4 # of screens | 3.5" screen size | 4:3 aspect ratio | 640×480 resolution | 250 bright | 400:1 contrast | 2 RU | 2.5" depth

Inputs per Screen: SDI Loop-Through

Features: TALLY

V-R44P-HDSDI

- 100% digital processing — $3999.00
- Four 3.5-inch 4:3 screens
- High resolution scaling of all images
- Wide viewing angle

Physical Specs: 4 # of screens | 3.5" screen size | 4:3 aspect ratio | 640×480 resolution | 250 bright | 400:1 contrast | 2 RU | 2.5" depth

Inputs per Screen: HD-SDI Loop-Through

Features: TALLY

V-MD434

- Choose from a variety of inputs / outputs — $3299.00
- Four 800 x 480 LCDs in one single configuration
- One available slot per screen
- Slim 2RU Design

MD MODULAR DESIGN

Physical Specs: 4 # of screens | 4.3" screen size | 16:10 aspect ratio | 800×480 resolution | 200 bright | 400:1 contrast | 2 RU | 1.23" depth

Optional Inputs: 3G-SDI Loop-Through | HD-SDI x 2 Loop-Through | HDMI x 2 | DVI | FIBER-OPTIC Loop-Through

Features: NETWORKING | TALLY

V-MD434-3GSDI

- Pre-configured with 3G-SDI Inputs — $4299.00
- Four 800 x 480 LCDs
- One available slot per screen
- Slim 2RU Design

MD MODULAR DESIGN

Physical Specs: 4 # of screens | 4.3" screen size | 16:10 aspect ratio | 800×480 resolution | 200 bright | 400:1 contrast | 2 RU | 1.23" depth

Inputs per Screen: 3G-SDI Loop-Through

Features: NETWORKING | TALLY

Optional Inputs: HD-SDI x 2 Loop-Through | HDMI x 2 | DVI | FIBER-OPTIC Loop-Through

OR-434

- Real-Time Waveform Monitor — $4999.00
- Real-Time Color Vectorscope
- Sixteen 64-segment Tri-color Audio Meters
- Tri-Color Tally Indicator

orchid

Physical Specs: 4 # of screens | 4.3" screen size | 16:10 aspect ratio | 800×480 resolution | 200 bright | 400:1 contrast | 2 RU | 2.4" depth

Inputs per Screen: HD-SDI Loop-Through

Features: AUDIO LEVEL | WAVEFORM | VECTORSCOPE | TALLY

V-R43P

- 480 x 234 pixels — $1299.00
- Ultra-compact design fits in EIA standard rack 2U high
- Each screen has 2 Composite Video inputs with active loop-through feature

Physical Specs: 3 # of screens | 4" screen size | 4:3 aspect ratio | 480×234 resolution | 250 bright | 200:1 contrast | 2 RU | 1.9" depth

Inputs per Screen: COMPOSITE x 2 Loop-Through

Features: TALLY

V-R573P

- 640 x 480 resolution — $1799.00
- Low power consumption and heat dissipation
- Two composite video inputs per monitor with active loop-through
- Individual color, tint, brightness, and contrast controls

Physical Specs: 3 # of screens | 5.7" screen size | 4:3 aspect ratio | 640×480 resolution | 400 bright | 600:1 contrast | 3 RU | 2.5" depth

Inputs per Screen: COMPOSITE x 2 Loop-Through

Features: TALLY

V-R573P-SDI

- 640 x 480 resolution — $2799.00
- One SDI input per monitor with active loop-through
- One Composite video input per monitor with active loop-through
- Low power consumption and heat dissipation

Physical Specs: 3 # of screens | 5.7" screen size | 4:3 aspect ratio | 640×480 resolution | 400 bright | 600:1 contrast | 3 RU | 2.5" depth

Inputs per Screen: COMPOSITE Loop-Through | SDI Loop-Through

Features: TALLY

V-R63P

- 400 x 234 LCD resolution — $3099.00
- Ultra bright 350 cd/m²
- Switchable 4:3 and 16:9 ratios
- Composite Video

Physical Specs: 3 # of screens | 5.8" screen size | 16:9 aspect ratio | 400×234 resolution | 350 bright | 400:1 contrast | 3 RU | 2.5" depth

Inputs per Screen: COMPOSITE x 2 Loop-Through

Features: TALLY

V-R63P-SDI

- 400 x 234 LCD resolution — $3699.00
- Ultra bright 350 cd/m²
- Switchable 4:3 and 16:9 ratios
- NTSC/PAL switchable on rear of unit

Physical Specs: 3 # of screens | 5.8" screen size | 16:9 aspect ratio | 400×234 resolution | 350 bright | 400:1 contrast | 3 RU | 2.5" depth

Inputs per Screen: COMPOSITE Loop-Through | SDI Loop-Through

Features: TALLY

V-MD503

- Choose from a variety of inputs / outputs
- Three 800 x 480 LCDs
- One available slot per screen
- Slim 2RU Design

$2499.00

MODULAR DESIGN

Physical Specs

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
3	5″	16:9	800×480	300	600:1	3	1.23″

Optional Inputs

3G-SDI Loop-Through · HD-SDI x 2 Loop-Through · HDMI x 2 · DVI · FIBER-OPTIC Loop-Through

Features

NETWORKING · TALLY

V-MD503-3GSDI

- Pre-configured with 3G-SDI Inputs
- Three 800 x 480 LCDs
- One available slot per screen
- Slim 2RU Design

$3199.00

MODULAR DESIGN

Physical Specs

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
3	5″	16:9	800×480	300	600:1	3	1.23″

Inputs per Screen

3G-SDI Loop-Through

HD-SDI x 2 Loop-Through · HDMI x 2 · DVI · FIBER-OPTIC Loop-Through

Optional Inputs

Features

NETWORKING · TALLY

V-MD563

- Choose from a variety of inputs / outputs
- Two available slot per screen
- Three high resolution 1280 x 800 LCDs
- Slim 3RU Design

$3599.00

MODULAR DESIGN

Physical Specs

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
3	5.6″	16:10	1280×800	200	400:1	3	1.3″

Inputs per Screen

COMPOSITE Loop-Through · COMPONENT Loop-Through

3G-SDI Loop-Through · HD-SDI x 2 Loop-Through · HDMI x 2 · DVI · FIBER-OPTIC Loop-Through

Optional Inputs

Features

NETWORKING · TALLY

OR-503

- Real-Time Waveform Monitor
- Real-Time Color Vectorscope
- Sixteen 64-segment Tri-color Audio Meters
- Tri-Color Tally Indicator

$4499.00

orchid

Physical Specs

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
3	5″	16:10	800×480	300	500:1	3	2.4″

Inputs per Screen

HD-SDI x 2 Loop-Through

Features

WAVEFORM · VECTORSCOPE · AUDIO LEVEL · TALLY

V-R653P-HDSDI

- Three high resolution 6.5-inch screens
- 100% digital processing
- High resolution scaling of all images
- Wide viewing angle

$3999.00

Physical Specs

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
3	6.5″	16:9	800×480	500	500:1	3	2.5″

Inputs per Screen

HD-SDI Loop-Through

Features

TALLY

V-R653-IMD-TE

- No need for external Under Monitor Display
- High resolution 1024 x 768 screens
- On-Screen Audio Presence Indicator
- On-Screen Video Time Code

$5299.00

In-Monitor Display IMD

Physical Specs

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
3	6.5″	4:3	1024×768	560	500:1	3	2.6″

Inputs per Screen

HD-SDI Loop-Through

Features

RS-422 CONTROL · TALLY

V-R653SB-IMD

- No need for external Under Monitor Display
- Super Transflective Outdoor Monitor
- Easy menu navigation
- On-Screen Audio Presence Indicator

$5999.00

In-Monitor Display IMD

Physical Specs

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
3	6.5″	4:3	1024×768	560	500:1	4	2.6″

Inputs per Screen

HD-SDI Loop-Through

Features

RS-422 CONTROL · TALLY

V-R72DP-2C

- 7-inch widescreen panels
- 800 x 480 resolution
- 100% digital processing
- Analog signals converted to 10-bit digital

$1999.00

Physical Specs

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
2	7″	16:9	800×480	380	400:1	3	2.5″

Inputs per Screen

COMPOSITE x 2 Loop-Through

Features

TALLY

V-R82DP-2C

- 8.4-inch screen 800 x 600 panels
- 100% digital processing
- Adjustable Color Temperature
- 10-bit Analog-to-Digital conversion

$1999.00

Physical Specs

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
2	8.4″	4:3	800×600	350	350:1	4	2.5″

Inputs per Screen

COMPOSITE x 2 Loop-Through

Features

TALLY

V-R102DP-2C

- Two 800 x 600 10.4-inch screens
- 100% digital processing
- 10-bit Analog-to-Digital conversion

$2499.00

Physical Specs

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
2	10.4″	4:3	800×600	600	500:1	5	1.5″

Inputs per Screen

COMPOSITE x 2 Loop-Through

Features

TALLY

V-R72DP

- Six Composite Video Inputs
- Any of the 6 inputs can be routed to each screen
- 100% digital processing
- Analog signals converted to 10-bit digital

$2995.00

Physical Specs

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
2	7″	16:9	800×480	380	400:1	3	2.5″

Inputs per Screen

COMPOSITE x 6 Loop-Through

Features

TALLY

V-R82DP-HDA

- 8.4-inch screen 800 x 600 panels
- 100% digital processing
- Adjustable Color Temperature
- 10-bit Analog-to-Digital conversion

$3099.00

Physical Specs

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
2	8.4″	4:3	800×600	500	500:1	4	1.5″

Inputs per Screen

COMPOSITE Loop-Through · S-VIDEO Loop-Through · COMPONENT Loop-Through · DVI · PC-XGA

Features

TALLY

V-R102DP-HDA

- Accepts analog HD and SD formats
- 10.4-inch 800 x 600 screens
- 100% digital processing
- 10-bit Analog-to-Digital conversion

$3399.00

Physical Specs

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
2	10.4″	4:3	800×600	600	500:1	5	1.5″

Inputs per Screen

COMPOSITE Loop-Through · S-VIDEO Loop-Through · COMPONENT Loop-Through · DVI · PC-XGA

Features

TALLY

V-R82DP-VGA

- 8.4-inch 800 x 600 screens
- 100% digital processing
- 10-bit Analog-to-Digital conversion
- High resolution scaling

$1799.00

Physical Specs

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
2	10.4″	4:3	800×600	500	500:1	4	1.65″

Inputs per Screen

DVI · VGA

Features

TALLY

V-R842DP-DVI

- 8.4-inch 1024 x 768 screens
- 100% digital processing
- High resolution scaling
- Wide viewing angle - 170°

$2499.00

Physical Specs: 2 # OF SCREENS | 8.4" SCREEN SIZE | 4:3 ASPECT RATIO | 1024×768 RESOLUTION | 700 BRIGHT | 300:1 CONTRAST | 5 RU | 2.5" DEPTH

Inputs per Screen: DVI, VGA

Features: TALLY

V-R1042DP-DVI

- 10.4-inch 1024 x 768 screens
- 100% digital processing
- High resolution scaling
- Wide viewing angle - 170°

$2799.00

Physical Specs: 2 # OF SCREENS | 10.4" SCREEN SIZE | 4:3 ASPECT RATIO | 1024×768 RESOLUTION | 700 BRIGHT | 300:1 CONTRAST | 5 RU | 2.5" DEPTH

Inputs per Screen: DVI, VGA

Features: TALLY

V-R82DP-2SDI

- 10.4-inch 800 x 600 screens
- 100% digital processing
- 500:1 contrast ratio
- 10-bit Analog-to-Digital conversion

$2999.00

Physical Specs: 2 # OF SCREENS | 8.4" SCREEN SIZE | 4:3 ASPECT RATIO | 800×600 RESOLUTION | 500 BRIGHT | 500:1 CONTRAST | 4 RU | 1.5" DEPTH

Inputs per Screen: SDI x 2 Loop-Through

Features: TALLY

V-R102DP-2SDI

- 10.4-inch 800 x 600 screens
- 100% digital processing
- 10-bit Analog-to-Digital conversion
- Adjustable color temperature

$3399.00

Physical Specs: 2 # OF SCREENS | 10.4" SCREEN SIZE | 4:3 ASPECT RATIO | 800×600 RESOLUTION | 600 BRIGHT | 500:1 CONTRAST | 5 RU | 2.5" DEPTH

Inputs per Screen: SDI x 2 Loop-Through

Features: TALLY

V-R82DP-SD

- 8.4-inch 800 x 600 screens
- 100% digital processing
- 10-bit Analog-to-Digital conversion
- Adjustable color temperature

$3699.00

Physical Specs: 2 # OF SCREENS | 8.4" SCREEN SIZE | 4:3 ASPECT RATIO | 800×600 RESOLUTION | 500 BRIGHT | 500:1 CONTRAST | 4 RU | 1.5" DEPTH

Inputs per Screen: COMPOSITE Loop-Through, S-VIDEO Loop-Through, COMPONENT Loop-Through, DVI, PC-XGA, SDI Loop-Through

Features: TALLY

V-R102DP-SD

- Large 10.4-inch 800 x 600 screens
- Match Color Conversion
- Adjustable Color Temperature
- 10-bit Analog-to-Digital conversion
- High resolution scaling

$3999.00

Physical Specs: 2 # OF SCREENS | 10.4" SCREEN SIZE | 4:3 ASPECT RATIO | 800×600 RESOLUTION | 600 BRIGHT | 500:1 CONTRAST | 5 RU | 2.5" DEPTH

Inputs per Screen: COMPOSITE Loop-Through, S-VIDEO Loop-Through, COMPONENT Loop-Through, DVI, PC-XGA, SDI Loop-Through

Features: TALLY

V-MD72

- Choose from a variety of inputs / outputs
- Two 800 x 480 LCDs
- One available slot per screen
- Slim 3RU Design

$2099.00

MD MODULAR DESIGN

Physical Specs: 2 # OF SCREENS | 7" SCREEN SIZE | 16:10 ASPECT RATIO | 800×480 RESOLUTION | 450 BRIGHT | 600:1 CONTRAST | 3 RU | 1.2" DEPTH

Optional Inputs: 3G-SDI Loop-Through, HD-SDI x 2 Loop-Through, HDMI x 2, DVI, FIBER-OPTIC Loop-Through

Features: NETWORKING, TALLY

V-MD72-3GSDI

- Choose from a variety of inputs / outputs
- Two 800 x 480 LCDs
- One available slot per screen
- Pre-configured with 3G-SDI Modules

$2499.00

MD MODULAR DESIGN

Physical Specs: 2 # OF SCREENS | 7" SCREEN SIZE | 16:10 ASPECT RATIO | 800×480 RESOLUTION | 450 BRIGHT | 600:1 CONTRAST | 3 RU | 1.2" DEPTH

Inputs per Screen: 3G-SDI x 2 Loop-Through

Features: NETWORKING, TALLY

Optional Inputs: HD-SDI x 2 Loop-Through, HDMI x 2, DVI, FIBER-OPTIC Loop-Through

V-MD72-HDSDIx2

- Choose from a variety of inputs / outputs
- Two 800 x 480 LCDs
- One available slot per screen
- Pre-configured with dual HD-SDI Modules

$2599.00

MD MODULAR DESIGN

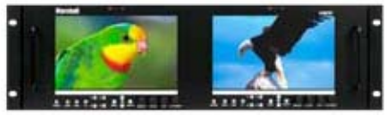
Physical Specs: 2 # OF SCREENS | 7" SCREEN SIZE | 16:10 ASPECT RATIO | 800×480 RESOLUTION | 450 BRIGHT | 600:1 CONTRAST | 3 RU | 1.2" DEPTH

Inputs per Screen: HD-SDI x 2 Loop-Through

Features: NETWORKING, TALLY

Optional Inputs: 3G-SDI Loop-Through, HDMI x 2, DVI, FIBER-OPTIC Loop-Through

V-MD702



- Choose from a variety of inputs / outputs
- Two 800 x 480 LCDs
- One available slot per screen
- Slim 3RU Design

$2299.00

MD MODULAR DESIGN

Physical Specs: 2 # OF SCREENS | 7" SCREEN SIZE | 16:10 ASPECT RATIO | 800×480 RESOLUTION | 450 BRIGHT | 600:1 CONTRAST | 3 RU | 1.2" DEPTH

Inputs per Screen: COMPOSITE Loop-Through, COMPONENT Loop-Through

Features: NETWORKING, TALLY

Optional Inputs: 3G-SDI Loop-Through, HD-SDI x 2 Loop-Through, HDMI x 2, DVI, FIBER-OPTIC Loop-Through

V-MD702-3GSDI

- Choose from a variety of inputs / outputs
- Two 800 x 480 LCDs
- One available slot per screen
- Pre-configured with 3G-SDI Modules

$2799.00

MD MODULAR DESIGN

Physical Specs: 2 # OF SCREENS | 7" SCREEN SIZE | 16:10 ASPECT RATIO | 800×480 RESOLUTION | 450 BRIGHT | 600:1 CONTRAST | 3 RU | 1.2" DEPTH

Inputs per Screen: COMPOSITE Loop-Through, COMPONENT Loop-Through, 3G-SDI x 2 Loop-Through

Features: NETWORKING, TALLY

Optional Inputs: HD-SDI x 2 Loop-Through, HDMI x 2, DVI, FIBER-OPTIC Loop-Through

V-MD702-HDSDIx2

- Choose from a variety of inputs / outputs
- Two 800 x 480 LCDs
- One available slot per screen
- Pre-configured with dual HD-SDI Modules

$2899.00

MD MODULAR DESIGN

Physical Specs: 2 # OF SCREENS | 7" SCREEN SIZE | 16:10 ASPECT RATIO | 800×480 RESOLUTION | 450 BRIGHT | 600:1 CONTRAST | 3 RU | 1.2" DEPTH

Inputs per Screen: COMPOSITE Loop-Through, COMPONENT Loop-Through, HD-SDI x 2 Loop-Through

Features: NETWORKING, TALLY

Optional Inputs: 3G-SDI Loop-Through, HDMI x 2, DVI, FIBER-OPTIC Loop-Through

OR-702

- Real-Time Waveform Monitor
- Real-Time Color Vectorscope
- Sixteen 64-segment Tri-color Audio Meters
- Tri-Color Tally Indicator

$3799.00

orchid

Physical Specs: 2 # OF SCREENS | 7" SCREEN SIZE | 16:10 ASPECT RATIO | 800×480 RESOLUTION | 350 BRIGHT | 400:1 CONTRAST | 3 RU | 2.4" DEPTH

Inputs per Screen: HD-SDI x 2 Loop-Through

Features: WAVEFORM, VECTORSCOPE, AUDIO LEVEL, TALLY

V-R82DP-HDSDI

- 8.4-inch 800 x 600 screens
- 100% digital processing
- Adjustable Color Temperature
- Wide viewing radius - 130°

$3399.00

Physical Specs: 2 # OF SCREENS | 8.4" SCREEN SIZE | 4:3 ASPECT RATIO | 800×600 RESOLUTION | 500 BRIGHT | 500:1 CONTRAST | 4 RU | 1.5" DEPTH

Inputs per Screen: HD-SDI Loop-Through

Features: TALLY

V-R82DP-HD

- Accepts virtually all HD/SD Formats
- 8.4-inch screen 800 x 600 panels
- 100% digital processing
- Adjustable Color Temperature

$4299.00

Physical Specs: 2 # OF SCREENS | 8.4" SCREEN SIZE | 4:3 ASPECT RATIO | 800×600 RESOLUTION | 500 BRIGHT | 500:1 CONTRAST | 4 RU | 1.5" DEPTH

Inputs per Screen: COMPOSITE Loop-Through | S-VIDEO Loop-Through | COMPONENT Loop-Through | DVI | PC-XGA | HD-SDI Loop-Through

Features: TALLY

V-R842DP-AFHD

- High Definition 1024 x 768 screens
- 100% digital processing
- Analog signals converted to digital
- High resolution scaling of all images

$4299.00

Physical Specs: 2 # OF SCREENS | 8.4" SCREEN SIZE | 4:3 ASPECT RATIO | 1024×768 RESOLUTION | 400 BRIGHT | 400:1 CONTRAST | 4 RU | 2.02" DEPTH

Inputs per Screen: COMPOSITE Loop-Through | S-VIDEO Loop-Through | COMPONENT Loop-Through | DVI | PC-XGA | HD-SDI Loop-Through

Features: TALLY

V-R82SB-AFHD

- Super Transflective Outdoor Monitors
- Designed specifically for bright applications
- 8.4-inch 800 x 600 screens
- Pixel-to-Pixel native resolution scaling

$4999.00

Physical Specs: 2 # OF SCREENS | 8.4" SCREEN SIZE | 4:3 ASPECT RATIO | 800×600 RESOLUTION | 650 BRIGHT | 600:1 CONTRAST | 4 RU | 2.02" DEPTH

Inputs per Screen: COMPOSITE Loop-Through | S-VIDEO Loop-Through | COMPONENT Loop-Through | DVI | PC-XGA | HD-SDI Loop-Through

Features: TALLY

V-MD902

- Choose from a variety of inputs / outputs
- Two 1280 x 768 LCDs
- One available slot per screen
- Slim 4RU Design

$3499.00

MD MODULAR DESIGN

Physical Specs: 2 # OF SCREENS | 9" SCREEN SIZE | 16:9 ASPECT RATIO | 1280×768 RESOLUTION | 350 BRIGHT | 1000:1 CONTRAST | 4 RU | 2.1" DEPTH

Inputs per Screen: COMPOSITE Loop-Through | COMPONENT Loop-Through | 3G-SDI Loop-Through | HD-SDI x 2 Loop-Through | HDMI x 2 | DVI | FIBER-OPTIC Loop-Through

Optional Inputs

Features: NETWORKING | TALLY

V-R902DP-AFHD

- Dual 9" screens with 800 x 480 resolution
- 100% digital processing
- Analog signals converted to digital
- High resolution scaling of all images

$3799.00

Physical Specs: 2 # OF SCREENS | 9" SCREEN SIZE | 16:9 ASPECT RATIO | 800×480 RESOLUTION | 400 BRIGHT | 600:1 CONTRAST | 4 RU | 2.3" DEPTH

Inputs per Screen: COMPOSITE Loop-Through | S-VIDEO Loop-Through | COMPONENT Loop-Through | DVI | PC-XGA | HD-SDI Loop-Through

Features: TALLY

V-R102DP-HDSDI

- 10.4-inch 800 x 600 screens
- 100% digital processing
- High resolution scaling
- Direct access for all adjustments

$3699.00

Physical Specs: 2 # OF SCREENS | 10.4" SCREEN SIZE | 4:3 ASPECT RATIO | 800×600 RESOLUTION | 600 BRIGHT | 400:1 CONTRAST | 4 RU | 1.5" DEPTH

Inputs per Screen: HD-SDI Loop-Through

Features: TALLY

V-R1042-IMD-TE4U

- No need for external Under Monitor Display
- High Resolution 1024 x 768 panels
- 16.7 million colors
- Fits in just 4RU rack space

$3995.00

In-Monitor Display iMD

Physical Specs: 2 # OF SCREENS | 10.4" SCREEN SIZE | 4:3 ASPECT RATIO | 1024×768 RESOLUTION | 300 BRIGHT | 700:1 CONTRAST | 4 RU | 1.5" DEPTH

Inputs per Screen: HD-SDI Loop-Through

Features: RS-422 CONTROL | TALLY

V-R102DP-HD

- Large 10.4-inch 800 x 600 screens
- Adjustable Color Temperature
- 10-bit Analog-to-Digital conversion
- High resolution scaling

$4599.00

Physical Specs: 2 # OF SCREENS | 10.4" SCREEN SIZE | 4:3 ASPECT RATIO | 800×600 RESOLUTION | 600 BRIGHT | 500:1 CONTRAST | 5 RU | 2.5" DEPTH

Inputs per Screen: COMPOSITE Loop-Through | S-VIDEO Loop-Through | COMPONENT Loop-Through | DVI | PC-XGA | HD-SDI Loop-Through

Features: TALLY

V-R1042DP-AFHD

- High Definition 1024 x 768 screens
- 100% digital processing
- Analog signals converted to digital
- High resolution scaling of all images

$5299.00

Physical Specs: 2 # OF SCREENS | 10.4" SCREEN SIZE | 4:3 ASPECT RATIO | 1024×768 RESOLUTION | 700 BRIGHT | 300:1 CONTRAST | 5 RU | 2.5" DEPTH

Inputs per Screen: COMPOSITE Loop-Through | S-VIDEO Loop-Through | COMPONENT Loop-Through | DVI | PC-XGA | SDI Loop-Through

Features: TALLY

OR-701A

- Full Range Stereo Speakers
- Real-Time Waveform Monitor
- Real-Time Color Vectorscope
- Sixteen 64-segment Tri-color Audio Meters

$2999.00

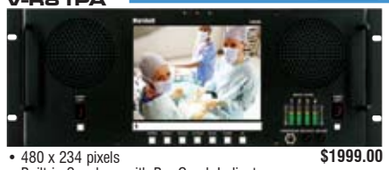
orchid

Physical Specs: 1 # OF SCREENS | 7" SCREEN SIZE | 16:9 ASPECT RATIO | 800×480 RESOLUTION | 350 BRIGHT | 400:1 CONTRAST | 3 RU | 2.4" DEPTH

Inputs: HD-SDI x 2 Loop-Through

Features: WAVEFORM | VECTORSCOPE | AUDIO LEVEL | TALLY

V-R81PA



- 480 x 234 pixels
- Built-in Speakers with Bar Graph Indicators
- 4 Independent analog audio inputs
- 3-Position Switch for Input Audio Meter Lever Calibration

$1999.00

Physical Specs: 1 # OF SCREENS | 7.9" SCREEN SIZE | 4:3 ASPECT RATIO | 480×234 RESOLUTION | 350 BRIGHT | 350:1 CONTRAST | 4 RU | 2.7" DEPTH

Inputs: COMPOSITE x 2 Loop-Through | S-VIDEO Loop-Through | XLR AUDIO x 4 Loop-Through

Features: TALLY

M-LYNX-15

- 15" 4:3 LCD Monitor
- 450:1 Contrast Ratio
- 3D Comb Filter
- Dynamic Noise Reduction

$499.00

Lynx

Physical Specs: 1 # OF SCREENS | 15" SCREEN SIZE | 4:3 ASPECT RATIO | 1024×768 RESOLUTION | 350 BRIGHT | 450:1 CONTRAST | 2.7" DEPTH

Inputs: COMPOSITE Loop-Through | S-VIDEO Loop-Through | COMPONENT Loop-Through | DVI | VGA | AUDIO INPUTS

M-LYNX-15SDI

- 15" 4:3 LCD Monitor
- 3D Comb Filter
- Dynamic Noise Reduction
- Two SDI inputs with loop-through

$1499.00

Lynx

Physical Specs: 1 # OF SCREENS | 15" SCREEN SIZE | 4:3 ASPECT RATIO | 1025×768 RESOLUTION | 350 BRIGHT | 450:1 CONTRAST | 2.7" DEPTH

Inputs: COMPOSITE x 2 Loop-Through | SDI x 2 Loop-Through | VGA | DVI | AUDIO INPUTS x 3

V-R151P-4A

- 1024 x 768 pixels
- Bright 250 candle luminance
- Ultra-compact design fits in EIA standard rack 6U high
- Built-in Quad Splitter/Sequential Switcher

$2699.00

Physical Specs

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
1	15″	4:3	1024×768	500	300:1	6	2.3″

Inputs per Screen

COMPOSITE x 4 · S-VIDEO · SXGA

Features

TALLY

V-RD151-4

- Pull-out drawer with 1024 x 768 panel
- Ultra-compact design fits in EIA standard rack 1U high
- Built-in Quad Splitter/Sequential Switcher
- Key lock for secure transportation

$2699.00

Physical Specs

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
1	15″	4:3	1024×768	250	500:1	1	22″

Inputs per Screen

COMPOSITE x 4 Loop-Through · S-VIDEO Loop-Through · SXGA · AUDIO INPUTS (L, R)

Features

TALLY

V-RD151P

- Pull-out drawer with 1024 x 768 panel
- Ultra-compact design fits in EIA standard rack 1U high
- Built-in Speakers
- Key lock for secure transportation

$1599.00

Physical Specs

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
1	15″	4:3	1024×768	250	500:1	1	22″

Inputs per Screen

COMPOSITE Loop-Through · S-VIDEO Loop-Through · SXGA

Features

TALLY

V-R151DP-AFSD

- 1024 x 768 panel
- 16.7 million colors
- Wide viewing angles
- 450:1 contrast ratio

$1799.00

Physical Specs

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
1	15″	16:9	1024×768	500	450:1	6	1.8″

Inputs per Screen

COMPOSITE Loop-Through · S-VIDEO Loop-Through · COMPONENT Loop-Through · DVI · SXGA · SDI Loop-Through

Features

TALLY

V-R151DP-AFHD

- 1024 x 768 panel
- 16.7 million colors
- Wide viewing angles
- HD-SDI input with loop-through

$1999.00

Physical Specs

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
1	15″	16:9	1024×768	500	450:1	6	1.8″

Inputs per Screen

COMPOSITE Loop-Through · S-VIDEO Loop-Through · COMPONENT Loop-Through · DVI · SXGA · HD-SDI Loop-Through

Features

TALLY

V-LCD15SB-AFHD-DT

- High Luminance Backlight
- Low Reflective Properties
- Wider color reproduction for richer colors
- Crisper, sharper images

$2999.00

Physical Specs

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
1	15″	16:9	1024×768	600	600:1	6	1.8″

Inputs per Screen

COMPOSITE Loop-Through · S-VIDEO Loop-Through · COMPONENT Loop-Through · DVI · SXGA · HD-SDI Loop-Through

Features

TALLY

M-LYNX-17

- 17" 5:4 LCD Monitor
- 1000:1 Contrast Ratio
- Dynamic Noise Reduction
- Composite, S-Video, Component, VGA, DVI

$579.00

Lynx

Physical Specs

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	DEPTH
1	17″	5:4	1280×1024	300	1000:1	2.8″

Inputs per Screen

COMPOSITE x 2 Loop-Through · S-VIDEO Loop-Through · COMPONENT Loop-Through · DVI · VGA · AUDIO INPUTS x 3 (L, R)

M-LYNX-17SDI

- 17" 5:4 LCD Monitor
- 1000:1 Contrast Ratio
- Dynamic Noise Reduction
- SDI, Composite, S-Video, Component, VGA, DVI

$1569.00

Lynx

Physical Specs

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	DEPTH
1	17″	5:4	1280×1024	300	450:1	2.8″

Inputs per Screen

COMPOSITE x 2 Loop-Through · SDI x 2 Loop-Through · DVI · VGA · AUDIO INPUTS x 3 (L, R)

V-R171P-4A

- High Resolution 1280 x 1024 panel
- Unique Ultra Wide Viewing Angle
- Built-in Quad Splitter/Sequential Switcher
- Unique 180 degree tilt adjustment while mounted in rack

$3699.00

Physical Specs

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
1	17″	5:4	1280×1024	250	500:1	8	2.5″

Inputs per Screen

COMPOSITE x 4 · S-VIDEO · COMPONENT · DVI · VGA

Features

TALLY

V-RD171P-HDA

- Single RU metal enclosure with Pull-Out drawer
- Drawer includes lock and key for secure transport
- 1280 x 1024 panel
- 500:1 contrast ratio

$2995.00

Physical Specs

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
1	17″	5:4	1280×1024	300	500:1	1	22″

Inputs per Screen

COMPOSITE · S-VIDEO · COMPONENT · DVI · VGA

Features

TALLY

V-RD171X-IMD-HDSDI

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
1	17″	16:9	1920×1200	300	500:1	1	22″

Inputs: HD-SDI Loop-Through

Features: RS-422 CONTROL; TALLY

- High Resolution 1920 x 1200
- "All-in-one" In-Monitor Display solution
- Drawer includes lock and key for secure transport
- Durable, Single RU metal enclosure

$3199.00

In-Monitor Display IMD

V-MD171X

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
1	17″	16:9	1920×1200	300	500:1	6	1.4″

Included Inputs: COMPOSITE Loop-Through; COMPONENT Loop-Through

Features: NETWORKING; TALLY

Optional Inputs: 3G-SDI Loop-Through; HD-SDI x 2 Loop-Through; HDMI x 2; DVI; FIBER-OPTIC Loop-Through

- 1920 x 1200 Full Resolution Panel
- Swap and interchange modular inputs at any time
- False Color Filter
- Two available input slots

$2299.00

MD MODULAR DESIGN

V-R171X-IMD-HDSDI

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
1	17″	16:9	1920×1200	300	500:1	6	1.4″

Inputs: HD-SDI Loop-Through

Features: RS-422 CONTROL; TALLY

- "All-in-one" In-Monitor Display solution
- High Resolution 1920 x 1200
- Three-color on-screen "soft" tally indicators
- On-Screen Audio Presence Indicator

$2899.00

In-Monitor Display IMD

QV171X-HDSDI

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
1	17″	16:9	1920×1200	300	500:1	6	1.4″

Inputs: HD-SDI x 4 Loop-Through; DVI

Features: In-Monitor Display IMD; RS-422 CONTROL; TALLY

- "All-in-one" In-Monitor Display solution
- View 4 different inputs at once
- Three-color on-screen "soft" tally indicators
- On-Screen Audio Presence Indicator

$4199.00

QV QUAD VIEWER

V-R171X-DLW

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
1	17″	16:9	1920×1200	300	500:1	6	1.4″

Inputs: 3G-SDI x 2 Loop-Through; DVI

Features: RS-422 CONTROL; WAVEFORM; VECTORSCOPE; TALLY; In-Monitor Display IMD; CC 608 708 CLOSED CAPTION; DUAL LINK COMPATIBLE; 2K COMPATIBLE

- Waveform monitor
- Vectorscope
- Time-code (LTC / VITC)
- 16 channels of audio metering

$3999.00

DLW SERIES

V-R185-IMD-TE

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
1	18.5″	16:9	1366×768	300	1000:1	6	1.7″

Inputs: HD-SDI Loop-Through

Features: RS-422 CONTROL; TALLY

- "All-in-one" In-Monitor Display solution
- 1366 x 768 LCD panel
- Three-color on-screen "soft" tally indicators
- On-Screen Audio Presence Indicator

$1399.00

In-Monitor Display IMD

V-MD185

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
1	18.5″	16:9	1366×768	300	1000:1	7	1.4″

Inputs: COMPOSITE Loop-Through; COMPONENT Loop-Through

Features: NETWORKING; TALLY

Optional Inputs: 3G-SDI Loop-Through; HD-SDI x 2 Loop-Through; HDMI x 2; DVI; FIBER-OPTIC Loop-Through

- 1366 x 768 LCD Monitor
- Swap and interchange modular inputs at any time
- False Color Filter
- Two available input slots

$1399.00

MD MODULAR DESIGN

M-LYNX-19

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	DEPTH
1	19″	5:4	1280×1024	450	1000:1	2.8″

Inputs: COMPOSITE x 2; S-VIDEO; COMPONENT; DVI; VGA; AUDIO INPUTS x 2

- 19" 5:4 LCD Monitor
- 1000:1 Contrast Ratio
- Composite, S-Video, YPbPr, VGA, DVI
- Dynamic Noise Reduction

$679.00

Lynx

M-LYNX-19SDI

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	DEPTH
1	19″	5:4	1280×1024	400	700:1	3″

Inputs: COMPOSITE x 2 Loop-Through; SDI x 2 Loop-Through; DVI; VGA; AUDIO INPUTS x 3

- 19" 5:4 LCD Monitor
- 1000:1 Contrast Ratio
- SDI, Composite, S-Video, YPbPr, VGA, DVI
- Dynamic Noise Reduction

$1699.00

Lynx

V-MD201

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
1	20″	16:9	1600×900	300	1000:1	7	1.6″

Inputs: COMPOSITE Loop-Through; COMPONENT Loop-Through

Features: NETWORKING; TALLY

Optional Inputs: 3G-SDI Loop-Through; HD-SDI x 2 Loop-Through; HDMI x 2; DVI; FIBER-OPTIC Loop-Through

- 1600 x 900 LCD Monitor
- Swap and interchange modular inputs at any time
- False Color Filter
- Two available input slots

$1799.00

MD MODULAR DESIGN

V-R201-IMD-TE

# OF SCREENS	SCREEN SIZE	ASPECT RATIO	RESOLUTION	BRIGHT	CONTRAST	RU	DEPTH
1	20″	16:9	1680×1050	300	800:1	6	2″

Inputs: HD-SDI Loop-Through

Features: RS-422 CONTROL; TALLY

- "All-in-one" In-Monitor Display solution
- 1680 x 1050 LCD panel
- Three-color on-screen "soft" tally indicators
- On-Screen Audio Presence Indicator

$2299.00

In-Monitor Display IMD

V-LCD4-PRO-L

Physical Specs: 4" SCREEN SIZE | 4:3 ASPECT RATIO | 480×234 RESOLUTION | 250 BRIGHT | 200:1 CONTRAST | 1.8" DEPTH

Inputs: COMPOSITE Loop-Through

- Switchable dual video BNC inputs
- Wide viewing angle
- Active loop-through feature
- Weighs only 0.8 lbs

$399.00

V-LCD4-PRO-L- KIT

Physical Specs: 4" SCREEN SIZE | 4:3 ASPECT RATIO | 480×234 RESOLUTION | 250 BRIGHT | 200:1 CONTRAST | 1.8" DEPTH

Inputs: COMPOSITE Loop-Through

Includes: V-LCD4-PRO-L monitor, battery pack (V-BP12-LCD), AC adapter (V-LCD-AP-12/24) and carrying case.

- V-LCD4-PRO-L Monitor
- Weatherproof Carrying Case
- High Capacity Battery with Charger
- Battery runs up to 1 hour and 20 minutes

$474.00

V-LCD50-HDMI

Physical Specs: 5" SCREEN SIZE | 16:9 ASPECT RATIO | 800×480 RESOLUTION | 300 BRIGHT | 600:1 CONTRAST | 1.8" DEPTH

Inputs: HDMI

- Operates on 4 AA Batteries
- False Color
- Peaking Filter
- Weighs only 0.55 lbs.

$599.00

V-LCD5.6-PRO

Physical Specs: 5.6" SCREEN SIZE | 4:3 ASPECT RATIO | 320×240 RESOLUTION | 270 BRIGHT | 85:1 CONTRAST | 2" DEPTH

Inputs: COMPOSITE Loop-Through | AUDIO INPUTS (L, R)

- Plastic cabinet with 1/4" mount
- Mirror Mode
- Built-in speaker
- Weighs only 1.14 lbs.

$399.00

V-LCD56-PRO KIT

Physical Specs: 5.6" SCREEN SIZE | 4:3 ASPECT RATIO | 320×240 RESOLUTION | 270 BRIGHT | 85:1 CONTRAST | 2" DEPTH

Inputs: COMPOSITE Loop-Through | AUDIO INPUTS (L, R)

Includes: V-LCD5.6-PRO, rechargeable battery pack (with charger), and nylon carrying case

- LCD5.6-PRO Monitor
- Padded Carrying Case and cables
- High Capacity Battery with charger
- Battery runs up to 1 hour and 45 minutes

$429.00

V-LCD651STX-HDMIPT

Physical Specs: 6.5" SCREEN SIZE | 4:3 ASPECT RATIO | 1024×768 RESOLUTION | 650 BRIGHT | 500:1 CONTRAST | 1.9" DEPTH

Inputs: COMPOSITE Loop-Through | COMPONENT Loop-Through | HDMI Loop-Through

- Super Transflective Outdoor Monitor
- Designed specifically for outdoor applications and challenging viewing environments
- Low Reflective Properties
- Provides HDMI loop-through

$1999.00*

** There is a cost difference with larger batteries. Prices shown with small battery configuration.*

V-LCD651STX-3GSDI

Physical Specs: 6.5" SCREEN SIZE | 4:3 ASPECT RATIO | 1024×768 RESOLUTION | 650 BRIGHT | 500:1 CONTRAST | 1.9" DEPTH

Inputs: COMPOSITE Loop-Through | COMPONENT Loop-Through | 3G-SDI Loop-Through

- Super Transflective Outdoor Monitor
- Designed specifically for outdoor applications and challenging viewing environments
- Low Reflective Properties
- Provides 3G-SDI loop-through

$2199.00*

V-LCD70XHB-HDMIPT

Physical Specs: 7" SCREEN SIZE | 16:9 ASPECT RATIO | 800×480 RESOLUTION | 800 BRIGHT | 1000:1 CONTRAST | 2.2" DEPTH

Inputs: COMPOSITE Loop-Through | COMPONENT Loop-Through | HDMI Loop-Through

- High Brightness 800 nit LCD panel
- DSLR Ratio Adjustment
- HDMI Auto Color Space and Ratio detect
- Manual Gamma Adjustment

$1199.00*

V-LCD70XHB-3GSDI

Physical Specs: 7" SCREEN SIZE | 16:9 ASPECT RATIO | 800×480 RESOLUTION | 800 BRIGHT | 1000:1 CONTRAST | 2.2" DEPTH

Inputs: COMPOSITE Loop-Through | COMPONENT Loop-Through | 3G-SDI Loop-Through

- High Brightness 800 nit LCD panel
- Manual Gamma Adjustment
- Adjustable Backlight
- Image Flip

$1299.00*

V-LCD70XP-HDMIPT

Physical Specs: 7" SCREEN SIZE | 16:9 ASPECT RATIO | 800×480 RESOLUTION | 450 BRIGHT | 600:1 CONTRAST | 2.2" DEPTH

Inputs: COMPOSITE Loop-Through | COMPONENT Loop-Through | HDMI Loop-Through

- 800 x 480 LCD panel
- Provides HDMI loop-through
- False Color On/Off
- Peaking Filter On/Off

$1099.00*

V-LCD70XP-3GSDI

Physical Specs: 7" SCREEN SIZE | 16:9 ASPECT RATIO | 800×480 RESOLUTION | 450 BRIGHT | 600:1 CONTRAST | 2.2" DEPTH

Inputs: COMPOSITE Loop-Through | COMPONENT Loop-Through | 3G-SDI Loop-Through

- 800 x 480 LCD panel
- Provides 3G-SDI loop-through
- False Color On/Off
- Peaking Filter On/Off

$1199.00*

** There is a cost difference with larger batteries. Prices shown with small battery configuration.*

V-R70P-SD

- 7-inch widescreen 800 x 480
- Optical-grade polycarbonate screen cover
- 4:3 and 16:9 screen aspect ratios
- Includes V-Mount Battery Adapter / 4-Pin XLR Power

$1499.00

Physical Specs: 7" SCREEN SIZE · 16:9 ASPECT RATIO · 800×480 RESOLUTION · 380 BRIGHT · 400:1 CONTRAST · 2.2" DEPTH

Inputs: COMPOSITE Loop-Through · S-VIDEO · SDI Loop-Through

Features: TALLY

V-R70P-HDA

- 7-inch widescreen 800 x 480
- Optical-grade polycarbonate screen cover
- "V" Mount battery adapter included
- 4:3 and 16:9 screen aspect ratios

$1599.00

Physical Specs: 7" SCREEN SIZE · 16:9 ASPECT RATIO · 800×480 RESOLUTION · 380 BRIGHT · 400:1 CONTRAST · 2.2" DEPTH

Inputs: COMPOSITE Loop-Through · COMPONENT Loop-Through

Features: TALLY

V-LCD8-PRO

- Plastic cabinet with ¼" mount
- Bright and vivid color picture
- Slim, portable design
- Low power consumption

$949.00

Physical Specs: 7.9" SCREEN SIZE · 16:9 ASPECT RATIO · 1400×468 RESOLUTION · 350 BRIGHT · 300:1 CONTRAST · 1.5" DEPTH

Inputs: COMPOSITE x 4 Loop-Through · S-VIDEO Loop-Through

V-R84DP-VGA

- Easy-to-view 8.4-inch screen
- Direct access for all adjustments
- Durable metal enclosure
- Configurable ¼-20 Mounting

$999.00

Physical Specs: 8.4" SCREEN SIZE · 4:3 ASPECT RATIO · 800×600 RESOLUTION · 500 BRIGHT · 500:1 CONTRAST · 2.5" DEPTH

Inputs: DVI · SXGA

V-R84DP-2C

- Optical-grade polycarbonate screen cover
- 500 cd/m² brightness
- Includes V-Mount Battery Adapter / 4-Pin XLR Power
- On-Screen Display (OSD) and "Blue Gun"

$1399.00

Physical Specs: 8.4" SCREEN SIZE · 4:3 ASPECT RATIO · 800×600 RESOLUTION · 500 BRIGHT · 500:1 CONTRAST · 2.5" DEPTH

Inputs: COMPOSITE x 2 Loop-Through

Features: TALLY

V-R841DP-DVI

- Easy-to-view 8.4-inch screen
- Direct access for all adjustments
- Durable metal enclosure
- Configurable ¼-20 Mounting

$1399.00

Physical Specs: 8.4" SCREEN SIZE · 4:3 ASPECT RATIO · 1024×768 RESOLUTION · 400 BRIGHT · 400:1 CONTRAST · 2.5" DEPTH

Inputs: DVI · SXGA

Features: TALLY

V-R84DP-2SDI

- Optical-grade polycarbonate screen cover
- 400 cd/m² brightness
- Includes V-Mount Battery Adapter / 4-Pin XLR Power
- On-Screen Display (OSD) and "Blue Gun"

$1799.00

Physical Specs: 8.4" SCREEN SIZE · 4:3 ASPECT RATIO · 800×600 RESOLUTION · 500 BRIGHT · 500:1 CONTRAST · 2.5" DEPTH

Inputs: SDI x 2 Loop-Through

Features: TALLY

V-R84DP-HDA

- Optical-grade polycarbonate screen cover
- Accepts all analog HD/SD formats/frame rates
- Includes V-Mount Battery Adapter / 4-Pin XL Power
- On-Screen Display (OSD) and "Blue Gun"

$1999.00

Physical Specs: 8.4" SCREEN SIZE · 4:3 ASPECT RATIO · 800×600 RESOLUTION · 500 BRIGHT · 500:1 CONTRAST · 2.5" DEPTH

Inputs: COMPOSITE Loop-Through · S-VIDEO Loop-Through · COMPONENT Loop-Through · DVI · XGA

Features: TALLY

V-R84DP-HDSDI

- Large 10.4-inch 800 x 600 screens
- Adjustable Color Temperature
- 10-bit Analog-to-Digital conversion
- High resolution scaling

$2099.00

Physical Specs: 8.4" SCREEN SIZE · 4:3 ASPECT RATIO · 800×600 RESOLUTION · 500 BRIGHT · 500:1 CONTRAST · 2.5" DEPTH

Inputs: HD-SDI Loop-Through

Features: TALLY

V-R84DP-SD

- Optical-grade polycarbonate screen cover
- SDI plus all HD/SD analog signals
- Includes V-Mount Battery Adapter / 4-Pin XLR Power
- On-Screen Display (OSD) and "Blue Gun"

$2199.00

Physical Specs: 8.4" SCREEN SIZE · 4:3 ASPECT RATIO · 800×600 RESOLUTION · 500 BRIGHT · 500:1 CONTRAST · 2.5" DEPTH

Inputs: COMPOSITE Loop-Through · S-VIDEO Loop-Through · COMPONENT Loop-Through · SDI Loop-Through · DVI · XGA

Features: TALLY

V-R84DP-HD

- Optical-grade polycarbonate screen cover
- Accepts all HD/SD formats/frame rates
- Includes V-Mount Battery Adapter / 4-Pin XLR Power
- On-Screen Display (OSD) and "Blue Gun"

$2499.00

Physical Specs: 8.4" SCREEN SIZE · 4:3 ASPECT RATIO · 800×600 RESOLUTION · 500 BRIGHT · 500:1 CONTRAST · 2.5" DEPTH

Inputs: COMPOSITE Loop-Through · S-VIDEO Loop-Through · COMPONENT Loop-Through · HD-SDI Loop-Through · DVI · XGA

Features: TALLY

V-LCD84SB-AFHD

Physical Specs: 8.4" SCREEN SIZE · 4:3 ASPECT RATIO · 800×600 RESOLUTION · 650 BRIGHT · 600:1 CONTRAST · 4 RU · 2.5" DEPTH

Inputs: COMPOSITE Loop-Through · S-VIDEO Loop-Through · COMPONENT Loop-Through · HD-SDI Loop-Through · DVI · XGA

Features: TALLY

- Super Transflective Outdoor Monitor
- Designed specifically for outdoor applications and challenging viewing environments
- Over 16.7 million colors
- Pixel-to-Pixel native resolution scaling

$1999.00

V-R841DP-AFHD

Physical Specs: 8.4" SCREEN SIZE · 4:3 ASPECT RATIO · 1024×768 RESOLUTION · 400 BRIGHT · 400:1 CONTRAST · 4 RU · 2.5" DEPTH

Inputs: COMPOSITE Loop-Through · S-VIDEO Loop-Through · COMPONENT Loop-Through · HD-SDI Loop-Through · DVI · XGA

Features: TALLY

- "V" Mount battery adapter included
- Optical-grade polycarbonate screen cover
- Blue Gun for color adjustment
- Built-in Color Bars

$2699.00

OR-841-HDSDI

Physical Specs: 8.4" SCREEN SIZE · 4:3 ASPECT RATIO · 1024×768 RESOLUTION · 400 BRIGHT · 400:1 CONTRAST · 4 RU · 1.7" DEPTH

Inputs: HD-SDI x 2 Loop-Through

Features: WAVEFORM · VECTORSCOPE · AUDIO LEVEL · TALLY

- Real-Time Waveform Monitor
- Real-Time Color Vectorscope
- Auto White Balance Calibration
- Sixteen 64-segment Tri-color Audio Meters

$3099.00

V-R901DP-AFHD

Physical Specs: 9" SCREEN SIZE · 16:9 ASPECT RATIO · 800×480 RESOLUTION · 400 BRIGHT · 600:1 CONTRAST · 2.5" DEPTH

Inputs: COMPOSITE Loop-Through · S-VIDEO Loop-Through · COMPONENT Loop-Through · HD-SDI Loop-Through

Features: TALLY

- 16.7 million colors
- Wide viewing angles
- 6 Frame Marker Overlays with Center Mark
- Easy-to-see three color tally indicators

$2799.00

OR-901-3GSDI

Physical Specs: 9" SCREEN SIZE · 16:9 ASPECT RATIO · 960×540 RESOLUTION · 350 BRIGHT · 1000:1 CONTRAST · 1.8" DEPTH

Inputs: 3G-SDI x 2 Loop-Through

Features: WAVEFORM · VECTORSCOPE · AUDIO LEVEL · TALLY

- 9-inch 960 x 540 screen
- 3D Review
- Waveform Monitor
- 3G-SDI

$3399.00

OR-901-XDI

Physical Specs: 9" SCREEN SIZE · 16:9 ASPECT RATIO · 960×540 RESOLUTION · 350 BRIGHT · 1000:1 CONTRAST · 1.8" DEPTH

Inputs: 3G-SDI x 2 Loop-Through · COMPOSITE · COMPONENT · HDMI Loop-Through

Features: WAVEFORM · VECTORSCOPE · AUDIO LEVEL · TALLY

- 9-inch 960 x 540 screen
- Integrated cross media converter
- 3G-SDI, Composite, Component and HDMI inputs
- Waveform Monitor

$3699.00

M-Lynx-10

Physical Specs: 10" SCREEN SIZE · 4:3 ASPECT RATIO · 800×600 RESOLUTION · 250 BRIGHT · 450:1 CONTRAST · 1.7" DEPTH

Inputs: COMPOSITE · S-VIDEO · VGA · AUDIO INPUTS x 2

- 10" 4:3 LCD Monitor
- 2D Comb Filter
- Dynamic Noise Reduction

$379.00

M-Lynx-10W

Physical Specs: 10" SCREEN SIZE · 16:9 ASPECT RATIO · 1024×600 RESOLUTION · 250 BRIGHT · 300:1 CONTRAST · 0.75" DEPTH

Inputs: COMPOSITE x 2 · VGA · AUDIO INPUTS

- 10" 16:9 LCD Monitor
- Thin, sleek, and lightweight design
- Includes adjustable stand, thin card remote, VGA cable, and AC adapter

$469.00

V-R104DP-2C

Physical Specs: 10.4" SCREEN SIZE · 4:3 ASPECT RATIO · 800×600 RESOLUTION · 600 BRIGHT · 500:1 CONTRAST · 2.5" DEPTH

Inputs: COMPOSITE x 2 Loop-Through

Features: TALLY

- Large 10.4 Screen Field Monitor
- Optical-grade polycarbonate screen cover
- Rugged Enclosure with AR/Scratch Resistant screen
- Includes V-Mount Battery Adapter / 4-Pin XLR Power

$1599.00

V-R1041DP-DVI

Physical Specs: 10.4" SCREEN SIZE · 4:3 ASPECT RATIO · 1024×768 RESOLUTION · 300 BRIGHT · 700:1 CONTRAST · 2.5" DEPTH

Inputs: DVI · XGA

Features: TALLY

- Large 10.4-inch screen
- Wide viewing angle
- Durable metal enclosure

$1599.00

V-R104DP-2SDI

Physical Specs: 10.4" SCREEN SIZE · 4:3 ASPECT RATIO · 800×600 RESOLUTION · 600 BRIGHT · 500:1 CONTRAST · 2.5" DEPTH

Inputs: SDI x 2 Loop-Through

Features: TALLY

- Optical-grade polycarbonate screen cover
- Includes V-Mount Battery Adapter / 4-Pin XLR Power
- On-Screen Display (OSD) and "Blue Gun"

$1999.00

V-R104DP-HDA

- Optical-grade polycarbonate screen cover
- Includes V-Mount Battery Adapter / 4-Pin XLR Power
- On-Screen Display (OSD) and “Blue Gun”

$2199.00

Physical Specs: 10.4″ SCREEN SIZE | 4:3 ASPECT RATIO | 800×600 RESOLUTION | 500 BRIGHT | 600:1 CONTRAST | 2.5″ DEPTH

Inputs: COMPOSITE Loop-Through | S-VIDEO Loop-Through | COMPONENT Loop-Through | DVI | XGA

Features: TALLY

V-R104DP-HDSDI

- Optical-grade polycarbonate screen cover
- Includes V-Mount Battery Adapter / 4-Pin XLR Power
- On-Screen Display (OSD) and “Blue Gun”

$2299.00

Physical Specs: 10.4″ SCREEN SIZE | 4:3 ASPECT RATIO | 800×600 RESOLUTION | 600 BRIGHT | 500:1 CONTRAST | 2.5″ DEPTH

Inputs: HD-SDI Loop-Through

Features: TALLY

V-R104DP-SD

- Optical-grade polycarbonate screen cover
- Includes V-Mount Battery Adapter / 4-Pin XLR Power
- On-Screen Display (OSD) and “Blue Gun”

$2399.00

Physical Specs: 10.4″ SCREEN SIZE | 4:3 ASPECT RATIO | 800×600 RESOLUTION | 500 BRIGHT | 500:1 CONTRAST | 2.5″ DEPTH

Inputs: COMPOSITE Loop-Through | S-VIDEO Loop-Through | COMPONENT Loop-Through | SDI Loop-Through | DVI | XGA

Features: TALLY

V-R104DP-HD

- Optical-grade polycarbonate screen cover
- Accepts all HD/SD formats/frame rates
- Includes V-Mount Battery Adapter / 4-Pin XLR Power

$2699.00

Physical Specs: 10.4″ SCREEN SIZE | 4:3 ASPECT RATIO | 800×600 RESOLUTION | 500 BRIGHT | 600:1 CONTRAST | 2.5″ DEPTH

Inputs: COMPOSITE Loop-Through | S-VIDEO Loop-Through | COMPONENT Loop-Through | HD-SDI Loop-Through | DVI | XGA

Features: TALLY

V-R1041DP-AFHD

- 16.7 million colors
- Wide viewing angles
- Easy-to-see three color tally indicators
- Adjustment Settings Memory

$2999.00

Physical Specs: 10.4″ SCREEN SIZE | 4:3 ASPECT RATIO | 1024×768 RESOLUTION | 300 BRIGHT | 700:1 CONTRAST | 2.5″ DEPTH

Inputs: COMPOSITE Loop-Through | S-VIDEO Loop-Through | COMPONENT Loop-Through | HD-SDI Loop-Through | DVI | XGA

Features: TALLY

M-LYNX-15

- 15” 4:3 LCD Monitor
- 3D Comb Filter
- Dynamic Noise Reduction

$499.00

Lynx

Physical Specs: 15″ SCREEN SIZE | 4:3 ASPECT RATIO | 1024×768 RESOLUTION | 350 BRIGHT | 450:1 CONTRAST | 2.7″ DEPTH

Inputs: COMPOSITE x 2 Loop-Through | S-VIDEO Loop-Through | COMPONENT Loop-Through | DVI | VGA | AUDIO INPUTS x 2

M-LYNX-15SDI

- 15” 4:3 LCD Monitor
- 3D Comb Filter
- Dynamic Noise Reduction
- Two SDI inputs with loop-through

$1499.00

Lynx

Physical Specs: 15″ SCREEN SIZE | 4:3 ASPECT RATIO | 1024×768 RESOLUTION | 350 BRIGHT | 450:1 CONTRAST | 2.7″ DEPTH

Inputs: COMPOSITE x 2 Loop-Through | SDI x 2 Loop-Through | VGA | DVI | AUDIO INPUTS x 3

V-R151P-4A

- Ultra-compact design
- Built-in Quad Splitter/Sequential Switcher
- Unique 180 degree tilt adjustment while mounted in rack
- Available in NTSC or PAL format

$2699.00

Physical Specs: 15″ SCREEN SIZE | 4:3 ASPECT RATIO | 1024×768 RESOLUTION | 500 BRIGHT | 300:1 CONTRAST | 6 RU | 2.3″ DEPTH

Inputs: COMPOSITE x 4 | S-VIDEO | SXGA

Features: TALLY

V-R151DP-AFSD

- 1024 x 768 panel
- 16.7 million colors
- Wide viewing angles
- 450:1 contrast ratio

$1799.00

Physical Specs: 15″ SCREEN SIZE | 16:9 ASPECT RATIO | 1024×768 RESOLUTION | 500 BRIGHT | 450:1 CONTRAST | 6 RU | 1.8″ DEPTH

Inputs: COMPOSITE Loop-Through | S-VIDEO Loop-Through | COMPONENT Loop-Through | SDI Loop-Through | DVI | SXGA

Features: TALLY

V-R151DP-AFHD

- 1024 x 768 panel
- 16.7 million colors
- Wide viewing angles
- HD-SDI input with loop-through

$1999.00

Physical Specs: 15″ SCREEN SIZE | 16:9 ASPECT RATIO | 1024×768 RESOLUTION | 500 BRIGHT | 450:1 CONTRAST | 6 RU | 1.8″ DEPTH

Inputs: COMPOSITE Loop-Through | S-VIDEO Loop-Through | COMPONENT Loop-Through | HD-SDI Loop-Through | DVI | SXGA

Features: TALLY

V-LCD15SB-AFHD-DT

- Super Transflective Outdoor Monitor
- Designed specifically for outdoor applications and challenging viewing environments
- Over 16.7 million colors
- 600:1 contrast ratio

$2999.00

Physical Specs: 15″ SCREEN SIZE | 16:9 ASPECT RATIO | 1024×768 RESOLUTION | 600 BRIGHT | 600:1 CONTRAST | 6 RU | 1.8″ DEPTH

Inputs: COMPOSITE Loop-Through | S-VIDEO Loop-Through | COMPONENT Loop-Through | HD-SDI Loop-Through | DVI | SXGA

Features: TALLY

M-LYNX-17

- 17” 5:4 LCD Monitor
- Contrast: 1000:1
- 3D Comb Filter
- Dynamic Noise Reduction

$579.00

Lynx

Physical Specs: 17″ SCREEN SIZE | 5:4 ASPECT RATIO | 1280×1024 RESOLUTION | 300 BRIGHT | 1000:1 CONTRAST | 2.5″ DEPTH

Inputs: COMPOSITE x 2 Loop-Through | S-VIDEO Loop-Through | COMPONENT Loop-Through | DVI | VGA | AUDIO INPUTS x 3

M-LYNX-17SDI

Physical Specs: 17" Screen Size | 5:4 Aspect Ratio | 1280×1024 Resolution | 300 Bright | 450:1 Contrast | 2.8" Depth

Inputs: Composite x 2 Loop-Through | SDI x 2 Loop-Through | DVI | VGA | Audio Inputs x 3

- 17" 5:4 LCD Monitor
- 1000:1 Contrast Ratio
- Dynamic Noise Reduction
- SDI, Composite, S-Video, Component, VGA, DVI

$1569.00

Lynx

V-R171P-4A

Physical Specs: 17" Screen Size | 5:4 Aspect Ratio | 1280×1024 Resolution | 300 Bright | 450:1 Contrast | 2.8" Depth

Inputs: Composite x 4 Loop-Through | S-Video Loop-Through | Component Loop-Through | DVI | VGA

- Unique Ultra Wide Viewing Angle LCD Panel
- Built-in Quad Splitter/Sequential Switcher
- Compact design fits in EIA standard rack 8U high
- Unique 180 degree tilt adjustment while mounted in rack

$3699.00

V-MD171X

Physical Specs: 17" Screen Size | 16:9 Aspect Ratio | 1920×1200 Resolution | 300 Bright | 500:1 Contrast | 6 RU | 1.4" Depth

Included Inputs: Composite Loop-Through | Component Loop-Through

Features: Networking | RS-422 Control | Tally

Optional Inputs: 3G-SDI Loop-Through | HD-SDI x 2 Loop-Through | HDMI x 2 | DVI | Fiber-Optic Loop-Through

- 1920 x 1200 Full Resolution Panel
- Swap and interchange modular inputs at any time
- False Color Filter
- Two available input slots

$2299.00

MD Modular Design

V-R171X-IMD-HDSDI

Physical Specs: 17" Screen Size | 16:9 Aspect Ratio | 1920×1200 Resolution | 300 Bright | 500:1 Contrast | 6 RU | 1.4" Depth

Inputs: HD-SDI Loop-Through

Features: Networking | RS-422 Control | Tally

- "All-in-one" In-Monitor Display solution
- High Resolution 1920 x 1200 panel
- On-Screen Audio Presence Indicator
- On-Screen Video Time Code

$2899.00

In-Monitor Display IMD

QV171X-HDSDI

Physical Specs: 17" Screen Size | 16:9 Aspect Ratio | 1920×1200 Resolution | 300 Bright | 500:1 Contrast | 6 RU | 1.4" Depth

Inputs: HD-SDI x 4 Loop-Through | DVI

Features: In-Monitor Display IMD | RS-422 Control | Tally

- Native Resolution 1920 x 1200 LCD panel
- Accepts up to 4 HD-SDI input and 1 VGA/DVI high resolution input
- IMD (In-Monitor Display) capability for each input

$4199.00

QV Quad Viewer

V-R171X-DLW

Physical Specs: 17" Screen Size | 16:9 Aspect Ratio | 1920×1200 Resolution | 300 Bright | 500:1 Contrast | 6 RU | 1.4" Depth

Inputs: 3G-SDI x 2 Loop-Through | DVI

Features: RS-422 Control | Waveform | Vectorscope | Tally

In-Monitor Display IMD | CC 608 708 Closed Caption | Dual Link Compatible | 2K Compatible

- Waveform monitor
- Vectorscope
- Time-code (LTC / VITC)
- 16 channels of audio metering

$3999.00

DLW Series

V-R185-IMD-TE

Physical Specs: 18.5" Screen Size | 16:9 Aspect Ratio | 1366×768 Resolution | 300 Bright | 1000:1 Contrast | 6 RU | 1.7" Depth

Inputs: HD-SDI Loop-Through

Features: RS-422 Control | Tally

- "All-in-one" In-Monitor Display solution
- Three-color on-screen "soft" tally indicators
- 1366 x 768 LCD panel
- On-Screen Audio Presence Indicator

$1399.00

In-Monitor Display IMD

V-MD185

Physical Specs: 18.5" Screen Size | 16:9 Aspect Ratio | 1366×768 Resolution | 300 Bright | 1000:1 Contrast | 7 RU | 1.4" Depth

Inputs: Composite Loop-Through | Component Loop-Through

Features: Networking | Tally

Optional Inputs: 3G-SDI Loop-Through | HD-SDI x 2 Loop-Through | HDMI x 2 | DVI | Fiber-Optic Loop-Through

- 1366 x 768 LCD Monitor
- Swap and interchange modular inputs at any time
- False Color Filter
- Two available input slots

$1399.00

MD Modular Design

M-LYNX-19

Physical Specs: 19" Screen Size | 5:4 Aspect Ratio | 1280×1024 Resolution | 450 Bright | 1000:1 Contrast | 3" Depth

Inputs: Composite x 2 Loop-Through | S-Video Loop-Through | Component Loop-Through | DVI | VGA | Audio Inputs x 2

- 19" 5:4 LCD Monitor
- 1000:1 Contrast Ratio
- Composite, S-Video, YPbPr, VGA, DVI
- Dynamic Noise Reduction

$679.00

Lynx

M-LYNX-19SDI

Physical Specs: 19" Screen Size | 5:4 Aspect Ratio | 1280×1024 Resolution | 400 Bright | 700:1 Contrast | 3" Depth

Inputs: Composite x 2 Loop-Through | SDI x 2 Loop-Through | DVI | VGA | Audio Inputs x 3

- 19" 5:4 LCD Monitor
- 1000:1 Contrast Ratio
- SDI, Composite, S-Video, YPbPr, VGA, DVI
- Dynamic Noise Reduction

$1699.00

Lynx

V-MD201

Physical Specs: 20" Screen Size | 16:9 Aspect Ratio | 1600×900 Resolution | 300 Bright | 1000:1 Contrast | 7 RU | 1.6" Depth

Inputs: Composite Loop-Through | Component Loop-Through

Features: Networking | RS-422 Control | Tally

Optional Inputs: 3G-SDI Loop-Through | HD-SDI x 2 Loop-Through | HDMI x 2 | DVI | Fiber-Optic Loop-Through

- 1600 x 900 LCD Monitor
- Swap and interchange modular inputs at any time
- False Color Filter
- Two available input slots

$1799.00

MD Modular Design

V-R201-IMD-TE

Physical Specs: 20" SCREEN SIZE | 16:9 ASPECT RATIO | 1680×1050 RESOLUTION | 300 BRIGHT | 800:1 CONTRAST | 6 RU | 2" DEPTH

Inputs: HD-SDI Loop-Through

Features: NETWORKING | RS-422 CONTROL | TALLY

- "All-in-one" In-Monitor Display solution
- 1680 x 1050 LCD panel
- Three-color on-screen "soft" tally indicators
- On-Screen Audio Presence Indicator

$2299.00

In-Monitor Display IMD

V-R241-IMD-HDSDI

Physical Specs: 24" SCREEN SIZE | 16:10 ASPECT RATIO | 1920×1200 RESOLUTION | 400 BRIGHT | 1000:1 CONTRAST | 2.2" DEPTH

Inputs: HD-SDI Loop-Through

Features: NETWORKING | RS-422 CONTROL | TALLY

- "All-in-one" In-Monitor Display solution
- High Resolution 1920 x 1200 panel
- On-Screen Audio Presence Indicator
- On-Screen Video Time Code

$2749.00

In-Monitor Display IMD

V-R241-DLW

Physical Specs: 24" SCREEN SIZE | 16:10 ASPECT RATIO | 1920×1200 RESOLUTION | 400 BRIGHT | 1000:1 CONTRAST | 2.15" DEPTH

Inputs: 3G-SDI x 2 Loop-Through | DVI

Features: RS-422 CONTROL | WAVEFORM | VECTORSCOPE | TALLY | In-Monitor Display IMD | CC 608 708 CLOSED CAPTION | DUAL LINK COMPATIBLE | 2K COMPATIBLE

- Waveform monitor
- Vectorscope
- Time-code (LTC / VITC)
- 16 channels of audio metering

$4199.00

DLW SERIES

QV241-HDSDI

Physical Specs: 24" SCREEN SIZE | 16:10 ASPECT RATIO | 1920×1200 RESOLUTION | 400 BRIGHT | 1000:1 CONTRAST | 2.2" DEPTH

Inputs: HD-SDI x 4 Loop-Through | DVI-I

Features: In-Monitor Display IMD | RS-422 CONTROL | TALLY

- Native Resolution 1920 x 1200 LCD panel
- Accepts up to 4 HD-SDI inputs and 1 VGA/DVI high resolution input
- VGA/DVI can accept up to 1920 x 1200 resolution
- IMD (In-Monitor Display) capability

$4999.00

QV QUAD VIEWER

3D-241-HDSDI

Physical Specs: 24" SCREEN SIZE | 16:10 ASPECT RATIO | 1920×1200 RESOLUTION | 2D 400 / 3D 150 BRIGHT | 1000:1 CONTRAST | 2.2" DEPTH

Inputs: HD-SDI x 4 Loop-Through | DVI-I

Features: RS-422 CONTROL | NETWORKING | TALLY

- 1920 x 1200 LCD panel
- High quality 3D display with circular polarizing technology
- 4 HD-SDI inputs for simultaneous monitoring two S3D (right eye / left eye) camera rigs
- 3D, 2D side-by-side, and difference map display options

$6999.00

V-R261-IMD-HDSDI

Physical Specs: 26" SCREEN SIZE | 16:9 ASPECT RATIO | 1920×1200 RESOLUTION | 500 BRIGHT | 800:1 CONTRAST | 2.1" DEPTH

Inputs: HD-SDI Loop-Through

Features: NETWORKING | RS-422 CONTROL | TALLY

- "All-in-one" In-Monitor Display solution
- High Resolution 1920 x 1200 panel
- On-Screen Audio Presence Indicator
- On-Screen Video Time Code

$2999.00

In-Monitor Display IMD

QV261A-HDSDI

Physical Specs: 26" SCREEN SIZE | 16:9 ASPECT RATIO | 1920×1200 RESOLUTION | 500 BRIGHT | 800:1 CONTRAST | 2.17" DEPTH

Inputs: HD-SDI x 4 Loop-Through | DVI

Features: In-Monitor Display IMD | RS-422 CONTROL | TALLY

- Native Resolution 1920 x 1200 LCD panel
- Accepts up to 4 HD-SDI inputs and 1 VGA/DVI high resolution input
- VGA/DVI can accept up to 1920 x 1200 resolution
- IMD (In-Monitor Display) capability for each input

$5399.00

QV QUAD VIEWER

V-R261-DLW

Physical Specs: 26" SCREEN SIZE | 16:9 ASPECT RATIO | 1920×1200 RESOLUTION | 500 BRIGHT | 800:1 CONTRAST | 2.5" DEPTH

Inputs: 3G-SDI x 2 Loop-Through | DVI

Features: RS-422 CONTROL | WAVEFORM | VECTORSCOPE | TALLY | In-Monitor Display IMD | CC 608 708 CLOSED CAPTION | DUAL LINK COMPATIBLE | 2K COMPATIBLE

- Waveform monitor
- Vectorscope
- Time-code (LTC / VITC)
- 16 channels of audio metering

$4999.00

DLW SERIES

V-R371-IMD-HDSDI

Physical Specs: 37" SCREEN SIZE | 16:9 ASPECT RATIO | 1920×1080 RESOLUTION | 550 BRIGHT | 800:1 CONTRAST | 2.3" DEPTH

Inputs: HD-SDI Loop-Through

Features: NETWORKING | RS-422 CONTROL | TALLY

- "All-in-one" In-Monitor Display solution without added depth
- High Resolution 1920 x 1200 panel
- On-Screen Audio Presence Indicator
- On-Screen Video Time Code

$3299.00

In-Monitor Display IMD

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