

## V-MD171XN

### 6RU 17" Full Resolution Rack Mount / Standalone Monitor with Modular Inputs



- 1920 x 1200 Full Resolution Panel
- Flexible "future proof" solution
- World's 1st HD Monitor with Fiber-Optic Input
- Swap and interchange modular inputs at any time

- Choose from a variety of inputs including 3G-SDI and Fiber
- Multi-format Compatibility
- False Color Filter
- Thin mechanical design



V-ST15 Optional Desktop Stand Marshall Electronics proudly presents the MD series of rack mount monitors that offer a flexible modular solution to system integration. These new 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.

The V-MD171XN includes Composite and Component loop-through, Status Display, False Color Filter, Markers, Freeze Function, Color Temperature Presets, RGB Gain / Bias Adjust, Pixel-to-Pixel, Blue Gun, Hard Tally, user-definable function buttons, and more. A variety of modules will become available including the availability of 3G/HD/SDI with loop-through, Fiber-Optic input/output modules, and more.

The V-MD171XN can be used as a standalone monitor without the rack ears attached or mounted in any standard EIA 19" equipment rack. The attached rack ears can be angled to provide the user control over the viewing angle. A VESA standard 75mm hole pattern also allows custom mounting installations. Alternately, the V-MD171XN can be used in a desktop configuration with optional stand (Marshall part number V-ST15).

The MD Series monitors are the WORLD'S FIRST HD MONITORS WITH DIRECT FIBER OPTIC VIDEO INPUTS. Marshall's new MD monitors integrate Telecast Fiber System's TeleCube™ Fiber-Optic HD/SDI transmission input/output modules. These new 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.

The V-MD171XN received TV Technology's STAR (Superior Technology Award Recipient) at IBC 2009 in Amsterdam. These awards are designed to celebrate and showcase the preeminent technological innovations available to the media industry. A panel of judges consisting of TV Technology editors and columnists reviewed a variety of products and services, examined the technical applications and their overall contribution to the industry, and then submitted their award nominees.



**V-ST15**  
Optional Desktop Stand

#### Specifications

Display (Viewing Area)	17"
Resolution (Pixels)	1920 x 1200
Aspect Ratio	16 : 10
Pixel Pitch (mm)	0.191 x 0.191 mm
Brightness (cd/m <sup>2</sup> )	400
Contrast Ratio	600:1
Available # of Optional Inputs Slots	2
Standard Inputs (included)	Composite, Component
Dimensions	18.9"W x 10.45"H x 1.4"D
Approx. Weight	5.10 lbs
Power Consumption	3.5 Amp@ 12VDC (32 W Max)

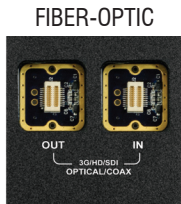
# FEATURES

## Optional Input Modules

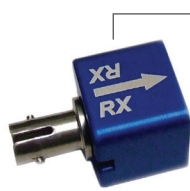
<b>MD-3GE</b>	3G/HD/SDI Input Module with Loop-Through
<b>MD-HDSDIx2-A</b>	Two-channel HDS/SDI Input Module with switched output
<b>MD-HDMI-A</b>	Single HDMI Input Module
<b>MD-HDMIx2-A</b>	Two-channel HDMI Input Module
<b>MD-HDMIPT-A</b>	HDMI Input Module with HDMI pass-through*
<b>MD-DVII-A</b>	DVI-I Input Module
<b>MD-TC-A</b>	TeleCube™ Input/Output Base Module (SEE BELOW)

*\*Pass-through is possible with content that is not protected*

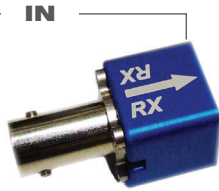
## Optional Optical Module with TeleCube™ Inputs/Outputs



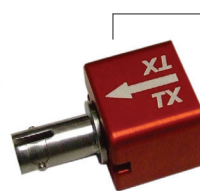
**MD-TC-A**  
TeleCube™ Input/Output Base Module



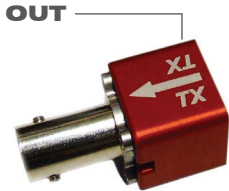
**TC-RxO**  
Optical Receiver Cube with ST connector



**TC-RxE**  
Electrical Receiver Cube with BNC connector

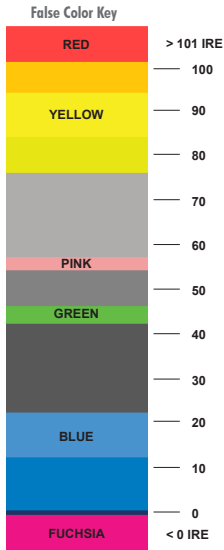


**TC-TxO**  
Optical Transmitter Cube (FP Laser @ 1310nm) ST Connector



**TC-TxE**  
Electrical Transmitter Cube with BNC connector

## 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.

CAMERA FEED WITHOUT FILTER	WITH FALSE COLOR FILTER	EXPOSURE STATUS
		<b>OVEREXPOSED</b> Overexposed objects will display as RED
		<b>UNDEREXPOSED</b> Underexposed objects show as DEEP-BLUE to DARK-BLUE
		<b>PROPERLY EXPOSED</b> Properly exposed objects will display elements of GREEN and PINK

## V-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.

*Features, specifications, pricing, and dimensions are subject to change without notice. Physical appearance of products may vary slightly from images shown on this document. Please visit our website for updates and information.*