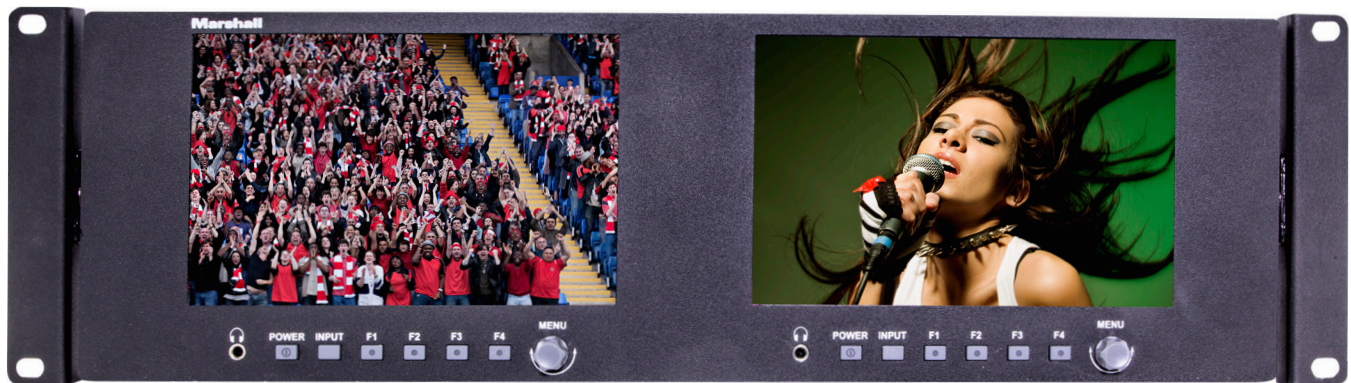


# Marshall

## FEATURED PRODUCTS

Winter 2023



# Marshall

Marshall Broadcast & Pro AV

[www.marshall-usa.com](http://www.marshall-usa.com)

### Marshall Rackmount Digital Audio Monitor with Dante™

Marshall's AR-DM Series Rackmount Digital Audio Monitors are high-quality, ultra-nearfield audio monitoring systems for space critical environments.

The AR-DM61 Series are sixth generation digital audio rack-mount monitors from Marshall, featuring improved audio quality and redesigned chassis. Each monitor has re-engineered speaker enclosures to maximize output power and new front digital panels that allow easier accessibility.



Equally at Home with Analog,  
Digital, and Networked Formats

#### Marshall AR-DM61-BT-64DT

Multichannel Digital Audio Monitor with Dante / AES67

The Marshall AR-DM61-BT-64DT multichannel digital audio monitor provides versatile audio analysis and professional QC monitoring of analog, digital, and networked audio sources. The AR-DM61-BT-64DT's slim 1RU design includes powerful stereo speakers, an intuitive touchscreen interface, and multiple convenient display modes.

- 10-inch LCD intuitive touchscreen panel displays up to 64 channels vertical, or switch to 96-step highprecision horizontal bars
- Special LKFS bars provides weighted display for group of channels
- Built-in live video preview monitor
- **Accepts multiple signal types including:**
  - Dante, MADI, 3G SDI, AES3, balanced analog
  - Dolby decoding from any encoded pair
  - High-powered stereo speakers (up to 100 dB output)
  - Dedicated push-to-mute button
  - Slim 1 RU design
  - Built-in web server makes it convenient to setup and customize
  - Software upgradeable "future-proof" platform



#### Marshall AR-DM61-BT-DB

Same features as the above monitor without Dante module

#### Marshall AR-DM61-BT

Same features as the above monitor without Dante module, and Dolby cardy

The only audio monitoring product available  
today that provides the convenience  
of up to 64-channel display



### Marshall AR-DM51-B

#### 16-Channel Audio Monitor

The AR-DM51-B is a compact, lightweight audio monitor that can preview up to 16 channels (8 pairs). It has a powerful woofer/tweeter system (up to 100dB in volume) for monitoring even in noisy environments. The built-in video screen allows for confirming sources during live broadcasts.

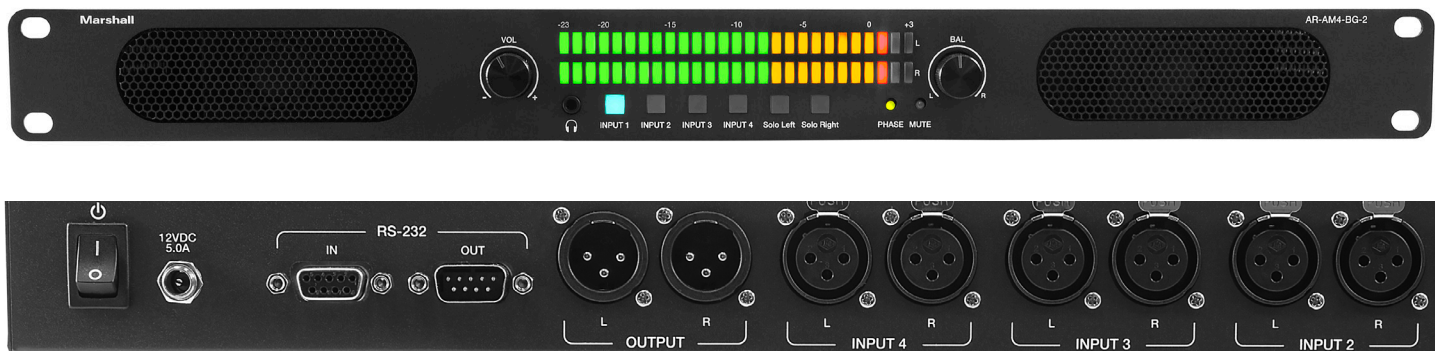
3GSDI

HDMI

« SUPER LOUD »

- SDI, HDMI, analog XLR, analog RCA inputs
- Built-in live preview monitor (from HDMI or SDI source)
- One-button mix down for 5.1 and 7.1 to stereo
- Analog XLR input converts to AES output
- Powerful 100dB speakers for noisy environments
- Remote control via Ethernet

## ANALOG AUDIO MONITOR



### Marshall AR-AM4-B

#### Analog Audio Monitor

For straight-forward analog audio monitoring, the AR-AM4-BG-2 delivers simple setup and operation, making it one of the friendliest audio monitors on the market today. With four analog stereo balanced XLR inputs, the AR-AM4-BG-2 makes it easy to check audio sources whether on set or in the equipment room. An RS-232 control port makes it the right choice for automated systems.

The 1RU design makes it an easy fit into any rack setup, and the speakers deliver enough “punch” to be heard even in the noisiest server rooms. The AR-AM4-BG-2 comes with one 12V universal power supply

- 4 analog balanced XLR stereo inputs
- 2 analog balanced XLR outputs
- Two powerful speakers
- LED VU display shows audio input activity
- Remote control via RS-232
- Headphone jack
- Press volume knob for instant mute
- 1 RU design
- 12V DC power supply included



## RACK MOUNT VIDEO MONITORS



### Marshall ML702

**NEW!**

7" Dual Screen Rackmountable Monitor with 3G-SDI, HDMI, CVBS Inputs

Dual 7" screens. Simple, space-saving design is ideal for flypacks, news vans, transmission rooms and more. All inputs have looping outputs allowing for system design flexibility. Standard power and tally connections. Tilting rack mount plus symmetrical viewing angles means no blind spots.

- SDI, HDMI and composite inputs with active loop throughs
- Focus peaking, framing markers, image flip
- Audio bars, front panel headphone jacks
- On-screen tally borders, GPI or network activated
- Ethernet control

### Marshall V-702W

**NEW!**

7" Rackmountable Monitor  
3G-SDI and HDMI inputs plus  
Waveform, Vector and more

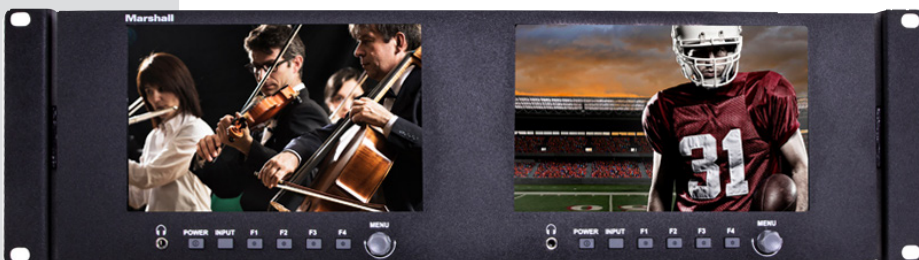
Dual 7" full HD screens with multiple analysis functions. Ideal for control and transmission rooms, remote broadcast and more. Looping video inputs allow for system design flexibility, selectable camera log functions and HDR modes. Split-screen mode compares corrected vs uncorrected gammas and Logs.

Standard power and tally connections. Tilting rack mount plus symmetrical viewing angles means no blind spots.

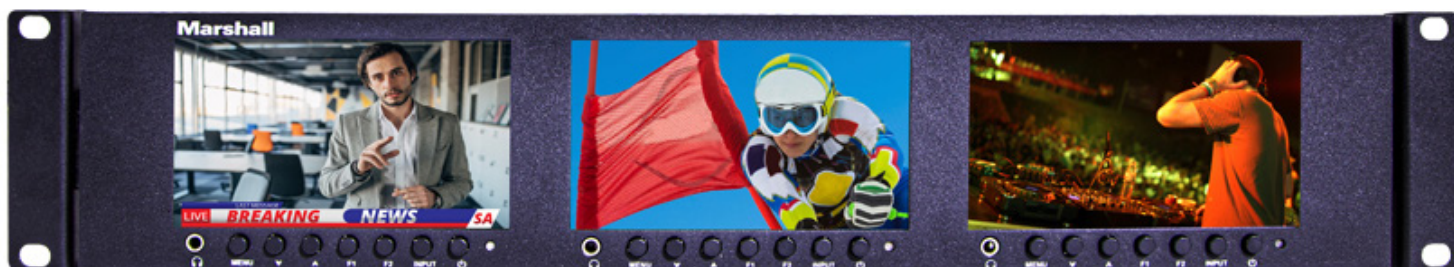
### Marshall V-702W-12G

**Coming Soon!**

Same as V-702W plus SDI input. Accepts 12G / 4K formats. Great for 4K remote production.



- SDI and HDMI inputs with active loop throughs
- Waveform, Vector, Histogram either full screen or overlay modes
- Multiple built-in camera log conversions. Load external LUT's
- Supports SMPTE 2048 and HLG HDR modes
- Ethernet control



### Marshall ML503

**NEW!**

5" Triple Screen Rackmountable Monitor with 3G-SDI and HDMI Inputs

Triple 5" screens with histogram and audio bars. Simple, space-saving design is ideal for flypacks, news vans, routing rooms and more. Inputs have looping outputs allowing for system design flexibility. Standard power and tally connections. Tilting rack mount plus symmetrical viewing angles means no blind spots.

- SDI, HDMI inputs with active loop throughs
- Focus peaking, framing markers, image flip
- Audio bars, front panel headphone jacks
- On-screen tally borders, GPI or network activated
- Ethernet control



### Marshall ML454-V2 **NEW!**

Quad 4.5" Rackmountable Monitor  
with HDMI, 3G-SDI, and Composite Inputs

The Marshall ML-454 quad 4.5" screen LCD display is a feature-packed, economical solution perfect for fly-packs, control rooms, routing rooms and countless other video system applications. Looping video inputs set this product apart from similar-looking products. With the ML-454, you are not limited to the single SDI connector you may find on competitor models. Standard power and tally connections as well as a logical menu structure make this display an easy choice for flexible system designs.

- SDI, HDMI inputs with active loop throughs
- Focus peaking, markers, image flip
- Audio bars, front panel headphone jacks
- On-screen tally borders. GPI activation
- Only 2RU tall (3.5")

## BROADCAST VIDEO MONITORS 17-24"



### Marshall V-LCD241MD

24" Full Resolution 1920 x 1080 Rackmount Monitor  
with Modular Input, Waveform Overlay, Audio Bars,  
Loud Speakers and HDMI Loop-Out

Marshall V-LCD241MD\* monitor provides excellent features in a 24-inch size. Straight-forward design with the most-used features built-in including waveform and audio bar overlays, loud speakers, programmable function buttons, three-color tally lights. Use on desktops or utilize a standard VESA mount. The V-LCD241MD base unit comes with no pre-installed module, HDMI input only.

\* The V-LCD241MD is compatible with MD-3GE Module only.

- Full HD 1920 x 1080 display
- HDMI input / output standard
- Modular design. Allows addition of 3GSDI input
- Waveform monitor at the push of a button
- Audio meter bars overlay
- Built-in speakers and headphone jack
- Rugged 4-pin XLR power connector
- Three color (Red, Yellow, Green) Tally LED's

**MD**  
MODULAR DESIGN



Desktop Stand Included

### Marshall V-LCD241MD-3G

Same features as above. Includes the base unit  
with a pre-installed MD-3GE module.



### Marshall V-LCD171MD-3G

17.3" Full Resolution 1920 x 1080 Rackmount Monitor with Modular Input, Waveform Overlay, Audio Bars, Loud Speakers and HDMI Loop-Out

Marshall V-LCD171MD monitor provides excellent features in a popular 17-inch size. Straight-forward design with the most-used features built-in including waveform and audio bar overlays, loud speakers, programmable function buttons, three-color tally lights and tilting mount design for easy viewing. Great for use in news vans, satellite trucks and central equipment rooms. The V-LCD171MD base unit comes with no preinstalled module.

- Full HD 1920 x 1080 display
- HDMI input / output standard
- Modular design. Allows addition of 3GSDI input
- Waveform monitor at the push of a button
- Audio meter bars overlay
- Built-in speakers and headphone jack
- Rugged 4-pin XLR power connector
- Three color (Red, Yellow, Green) LED tally lights



## CAMERA VIDEO MONITOR



### Marshall V-LCD70-AFHD-SL

Same features as above. Fits Sony SL mount.

### Marshall V-LCD70-AFHD

7" High Resolution 1024 x 600 Lightweight Camera-Top Monitor with Multiple Inputs

The V-LCD70-AFHD includes a wide range of professional features including multiple inputs, Picture-in-Picture, Image Flip, Screen Markers, Peaking Filter, False Color and Zebra filters. The screen is a bright 500 cd/m<sup>2</sup> with a 700:1 contrast ratio. The menu is fully accessible from the front of the monitor, where adjustments can be made to color, exposure, picture orientation, or the aspect ratio of the image can be adjusted from full screen to 4:3, 14:9 and 16:9.

- Multiple inputs including HDMI, 3GSDI, component and composite
- Three color tally (Red, Yellow, Green)
- 1/4-inch threaded mounting on 4 sides plus VESA mount
- Light weight for comfortable camera top use
- Audio level display from HDMI or SDI inputs
- On-screen framing marks
- 4-pin XLR for ENG power supplies
- Power adapter included

## PROCESSING AND DISTRIBUTION

### Marshall VSW-2000

#### 4x1 3G-SDI Video Switch

The VSW-2000 allows rapid switching between up to four 3G-SDI video feeds, delivering broadcast-quality video over a wide range of formats. Great as a sub-router to add inputs to existing production switchers, monitors or other devices. Simple RS-232 commands allow operation at a distance eliminating multiple cable runs. Handy problem-solver for field engineers. Take it on the road!



- Rapidly routes any of four 3G-SDI inputs to single 3G-SDI output
- Output is re-clocked and cable equalized
- No insertion delay. Inputs are passed directly to the output and are not scaled or converted
- Compact size takes minimum desk or shelf space
- Can be run from USB sources using USB to 5.5mm adapter cable (available from multiple sources)
- Power: 5-volt @ 250 milliamps fully loaded (can run all day on 10,000 mAH phone charger battery)
- AC power supply included

### Marshall VDA-104-3GS-2

#### 1x4 3G-SDI Distribution Amplifier

The VDA-104-3GS provides reclocking distribution of an SDI video input signal to four SDI outputs. The input type, whether SDI, HD SDI or 3G SDI is auto detected and displayed via LED indicators.



- Supports 270Mb/s, 1.485Gb/s, and 2.97Gb/s data rates
- **Supported video formats:**  
SD: 480i59.94 "NTSC", 576i50 "PAL"  
HD: 720p24, 25, 30, 50, 59.94, and 60 1080i50, 59.94, and 60 1080p24, 25, and 30  
3G: 1080p50, 59.94 and 60. Supports Level A and B  
2K: 2048x1080p24 and 30
- Passes all ancillary data
- Reclocking function reshapes the signal to improve transmission distance
- Video format LED indication
- Provides automatic input cable equalization up to 300m (1000ft)@SD, 150m (500ft)@HD/3G
- Compact metal housing

### Marshall VDA-108-3GS

#### 1 x 8 3G/HD/SD-SDI Reclocking Distribution Amplifier

The VDA-108-3GS is a compact and reliable distribution amplifier which accepts a single SDI input and provides eight identical outputs. All embedded data is passed transparently. Signals are reclocked and cable equalization is provided to support long cable runs. The VDA-108-3GS is useful for providing video to multiple destinations (recorders, displays, encoders) from a single video source.



- 3G/HD/SD serial digital distribution
- Eight separately buffered and reclocked outputs
- Dual color LED indication of input lock and rate
- **Supported Video Formats**  
480i59.94 "NTSC", 576i50 "PAL"  
720p / 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, and 60  
1080i50, 59.94, and 60  
2048x1080p24 and 30 "2K"
- Supports Level A and B
- Passes all ancillary data
- Compatible with USB power sources using 3rd party adapter cables
- Less than 1.25 watts fully loaded
- Provides automatic input cable equalization up to 300m (1000ft)@SD, 150m (500ft)@HD/3G
- Reclocking function reshapes the signal to improve transmission distance
- Compact metal housing

Keep more of what you have  
10-bit input sampling makes a visible difference

### Marshall VAC-23SHUC

#### HDMI / SDI to USB-C (3.0) Converter

The VAC-23SHUC converts a 3G SDI or HDMI input to USB-C (3.0) high quality output. The inputs have active loop-throughs allowing the original full-quality source to be routed to monitors or other equipment. Common applications include live screen capture, video conferencing and other PC based functions. Power is supplied by the USB connection eliminating the need for an external power supply.

A rugged metal case makes this converter suitable for field use.

- The 3G SDI input accepts SD/HD formats up to 1080p50/60
- The HDMI input accepts SD/HD up to 1080p50/60 and 4K up to 4096x2160@30fps
- USB-C output video format is controlled by the particular application running on the PC.
- Depending on the application's settings and limitations, outputs up to 3840x2160@30fps are possible.
- Output audio sampling rate defaults to 48KHz
- Stereo audio input via 3.5mm jack
- Backwards compatible to USB 2.0 (limited to 1280x720p30 max)



- Supported operating systems: Windows 10, 11, Mac OS
- Plug and Play operation. No special drivers required.

### Marshall VAC-12HUC

#### HDMI to USB-C (3.0) Converter

The VAC-12HUC converts a HDMI input to USB-C (3.0) high quality output. The input has an active loop-through allowing the original full-quality source to be routed to monitors or other equipment. Common applications include live screen capture, video conferencing and other PC based functions. Power is supplied by the USB connection eliminating the need for an external power supply.

A rugged metal case makes this converter suitable for field use.

- The HDMI input accepts SD/HD up to 1080p50/60 and 4K up to 4096x2160@30fps
- USB-C output video format is controlled by the particular application running on the PC
- Depending on the application's settings and limitations, outputs up to 3840x2160@30fps are possible
- Output audio sampling rate defaults to 48KHz
- Stereo audio input via 3.5mm jack



- Backwards compatible to USB 2.0 (limited to 1280x720p30 max)
- Supported operating systems: Windows 10, 11, Mac OS
- Plug and Play operation. No special drivers required.



## VIDEO CONVERTERS

**Marshall VAC-12SH****3G/HD/SD SDI to HDMI Converter with Loop Out**

The VAC-12SH 3G-SDI/HD-SDI to HDMI Converter converts a professional 3G-SDI or HD-SDI signal to an HDMI compliant format that can be viewed on consumer monitors. The conversion between SDI and HDMI is purely digital and guarantees no loss of audio and video data. Embedded audio is supported\*. The VAC-12SH also provides two (SDI and HDMI) low-jitter, re-clocking outputs for multiple monitors.

**Supported formats:**

- NTSC 525@59.94, PAL 625@50, 720p@50, 720p@59.94, 720p@60, 1080i@50, 1080i@59.94, 1080i@60, 1080p/pSF@23.98, 1080p/pSF24, 1080p@25, 1080p@29.97, 1080p@30, 1080p@50, 1080p@59.94, 1080p@60
- Bit Rate: 2.97 Gbps, 2.967 Gbps, 1.485 Gbps, 1.4835 Gbps, 270 Mbps
- Auto 3G-SDI/HD-SDI detection
- Supports HDMI Deep Color
- One SDI compliant output and one HDMI compliant output



## ENCODER

**Marshall VS-103E-3GSDI****1080P 3G SDI Encoder with Embedded Audio**

The Marshall VS-102-HDSDI is a high definition video server that allows real-time transmission of an SD/HD-SDI, HDMI, or NTSC/PAL composite video signal 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.

- Supports 60fps at 1920 x 1080 resolution
- 3G-HD/SD-SDI, HDMI and composite video inputs
- Encodes Audio Embedded from HD/SD-SDI & HDMI inputs
- Dual streaming (H.264/H.264, H.264/MJPEG)
- MPEG2-TS supported
- Two-way audio communication (G.711, AAC)
- HD/ SD-SDI, HDMI & analog input audio
- Over 30 types of PTZ protocol supported
- Compliant with ONVIF, PSIA
- Encodes 2 channels of embedded Audio from HDMI or HDSDI input
- PoE (Power Over Ethernet 802.3af)
- USB recording
- Watchdog for system recovery
- RS-232, RS-422/485 communication
- Motion detection
- 2CH sensor input / 2CH alarm output
- Adjustable video bitrate: 32Kbps ~ 16Mbps for primary video, 32Kbps ~ 1Mbps for Secondary Video
- Adjustable video data bandwidth: 2,400bps ~ 115,200bps
- Various protocols: TCP/IP, Multicast, UDP, HTTP, SMTP, FTP, DHCP, DNS, Dynamic DNS, RTP, RTSP, SNMP
- Full technical support with SDK & API

## BROADCAST AUDIO ACCESSORIES

### Marshall AP-AES-TD-DB25-XLR-06

5 foot, 8 Channel AES In/Out cable

*Compatible with Marshall AR-DM61 and other products using 25-pin Tascam format AES connections.*

Cable breaks out 25-pin DB25 connector to 8 AES encoded channels in and out.

AES3 is encoded as channel pairs so one XLR connector carries two channels of audio.

Cable has 25-pin Tascam format male connector at one end, 4 XLR 3-pin male and 4 XLR 3-pin female connectors at the other end. Built from highest quality Mogami Gold 110-ohm wire.

*Other lengths available. Contact Marshall Electronics for more information.*



### Marshall AP-DB25-XLRF-06

5 foot, 8 Channel Balance Analog Input cable

Cable breaks out 25-pin DB25 female connector to 8 XLR female connectors.

Provides 8 balanced inputs from Marshall AR-DM61 audio monitor or other products using 25-pin Tascam format analog inputs. Built from highest quality Mogami Gold low-noise wire.

*Other lengths available. Contact Marshall Electronics for more information.*

### Marshall AP-DB25-XLRM-05

DB 25 Analog Output Cable

Cable breaks out 25-pin DB25 female connector to 8 XLR male connectors.

Provides 8 balanced outputs from Marshall AR-DM61 audio monitor or other products using 25-pin Tascam format analog outputs. Built from highest quality Mogami Gold low-noise wire.

*Other lengths available. Contact Marshall Electronics for more information.*



## BROADCAST AUDIO MONITOR MODULES

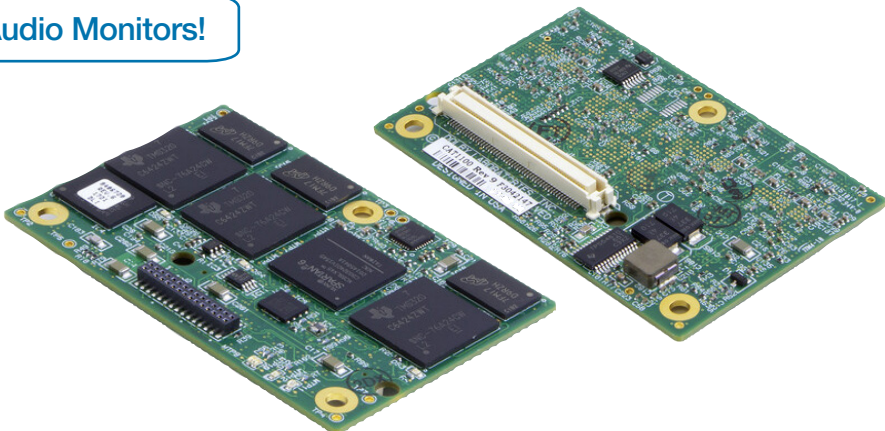
**Easily upgrade your existing Marshall Audio Monitors!**

### Marshall ARDM-D1100

Dolby decoding board

*Fits Marshall AR-DM61-BT audio monitor*

- Adds Dolby decoding to SDI and AES inputs
- Works on any selected channel pair
- Decodes 5.1, 7.1 and others (not including ATMOS)





## BROADCAST AUDIO MONITOR MODULES

The following modules fit Marshall AR-DM21, 21B, 22B, 31, 31B, & 32B Audio Monitors

### Marshall ARDM-3GSDI

1 3G SDI/HDSDI Input with Loop-through Audio Module

- Extracts audio from incoming video
- 3G/HD/SD-SDI Input carries up to 16 audio channels (8 channel pairs)
- 3G/HD/SD-SDI re-clocked loop-through output
- Supports SMPTE 259-C, 292M, and SMPTE 424M, 425M with SMPTE 352M Payload
- Supports DOLBY multi channel decoding (with optional Dolby module)



### Marshall ARDM-AES-BNC

Provides Four AES/EBU BNC Inputs

- Adds four AES/EBU inputs
- Each stream carries 2 channels (stereo pair) or 5.1 Dolby encoding
- Coaxial (BNC) interface. 75-ohm unbalanced
- Supports DOLBY multi channel decoding (with optional Dolby Module)



### Marshall ARDM-AES-XLR

Provides four AES/EBU output streams

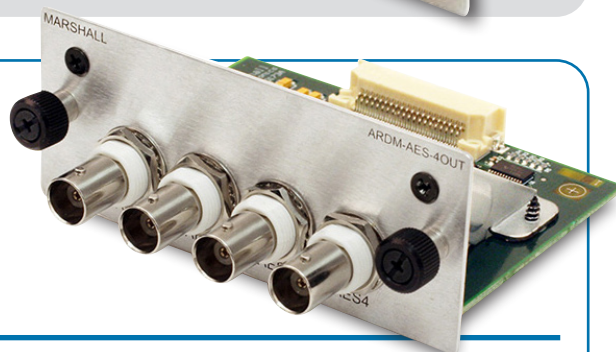
- Supports 4 AES/EBU channel pairs (8 channels)
- Includes breakout cable to four XLR 3-pin input connectors, four XLR 3-pin output connectors
- Passive loop out of 4 AES/EBU channel pairs
- Supports DOLBY multi-channel Decoding (with optional Dolby module)



### Marshall ARDM-AES-4OUT

Provides four AES/EBU output streams

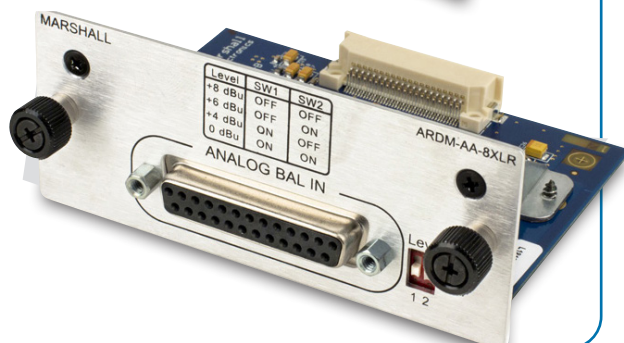
- Supports 4 AES/EBU channel pairs (8 channels)
- Coaxial (BNC) 75-ohm unbalanced outputs



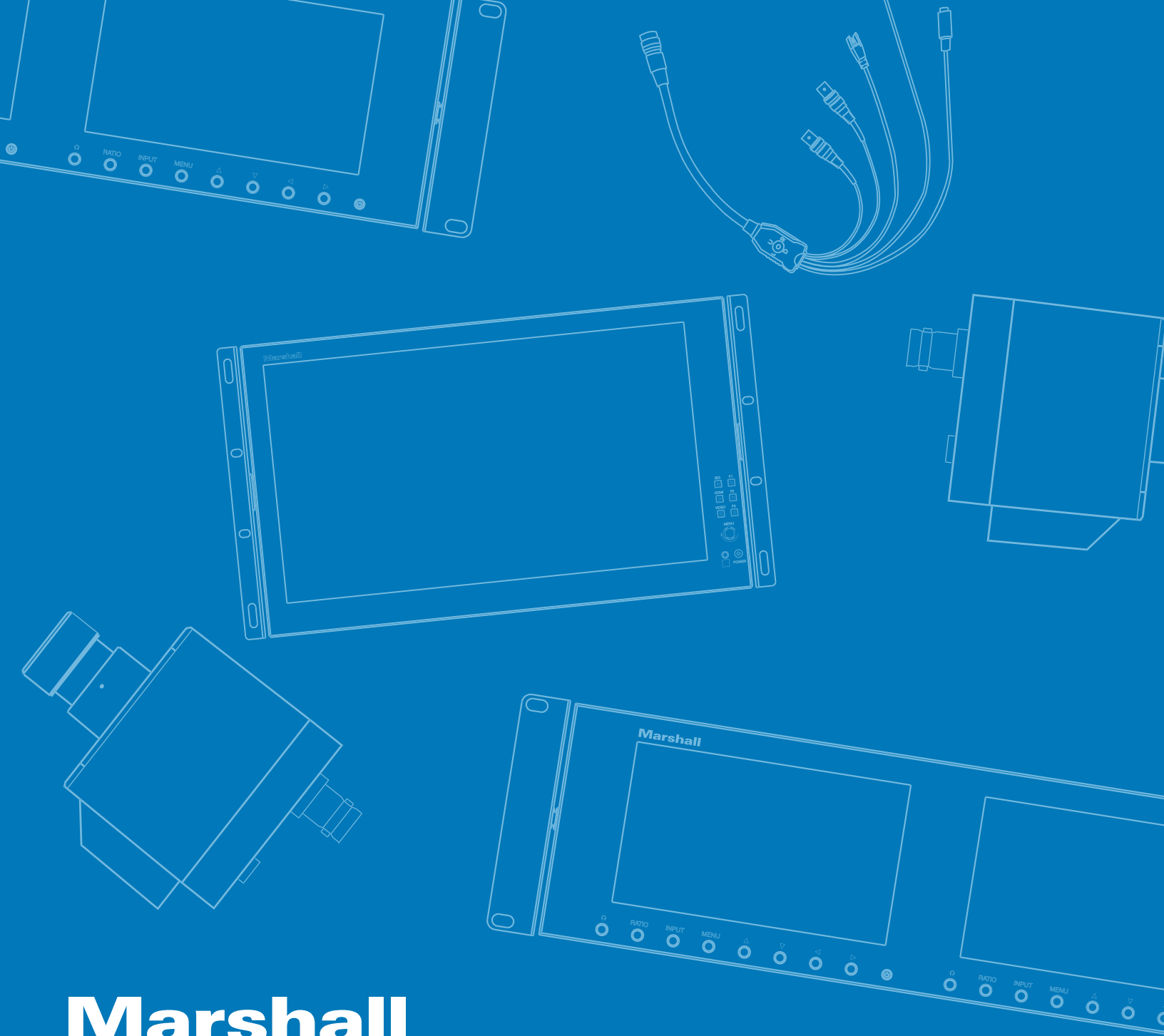
### Marshall ARDM-AA-8XLR

Provides 8 balanced analog inputs via 25-pin DSUB

- Tascam pinout format
- Breakout cable included. 8 XLR female connectors
- Supports nominal reference levels 0, +4, +6, +8 dBu for -20 dB full scale



Visit [www.marshall-usa](http://www.marshall-usa) for special pricing on these products



# Marshall

## *Trusted by Broadcasters for Over 30 Years*

For over 30 years, **Marshall Electronics** has supplied the broadcast video industry with award winning and revolutionary products that have helped shape the market to where it is today. The Marshall Broadcast product line has grown to meet the demands of professionals working in broadcast, film, news, and multimedia productions worldwide.

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