



# Marshall

## FEATURED PRODUCTS

*Marshall Broadcast Products Fall 2018*

- » CAMERAS
- » MONITORS
- » IP STREAMING
- » ACCESSORIES

**J&S TELECOMS**  
INTERNATIONAL PTE LTD

## TRUE 4K & UHD COMPACT CAMERAS

### Marshall CV420-CS **///NEW///**

#### Compact 4K60/UHD60/HD Camera

The Marshall CV420-CS offers true 4K resolution in 4096x2160p at 60/50 fps, and comes packaged in a sturdy, discrete design that features a wide range of picture adjustment controls. The CV420-CS can capture detailed shots while maintaining a discrete presence and can be used as a fixed "e-PTZ" camera, where HD images can be selected within the full 4K frame.

- » 12G-SDI & HDMI 2.0 outputs
- » 12.4-Megapixel (1/1.7") Sony Exmor sensor (4:2:2)
- » Varifocal or Fixed CS/C mount lens with DC auto-iris option
- » UHD: 3840 x 2160p outputs 60, 59.94, 50, 29.97, 25, and 24 fps
- » 4K: 4096 x 2160p outputs 60, 59.94, 50, 30, 29.97, 25, and 24 fps
- » Progressive HD: 1080p/720p @ 59.94, 50, 29.97, 25, and 24 fps
- » Remote adjust & match via RS485 (Visca)



*\*Preliminary product photo.  
Some physical elements subject to change in final development.*



### Marshall CV380-CS **///NEW///**

#### Compact UHD30/HD Camera

The Marshall CV380-CS delivers ultra-high-definition (UHD) resolution in 3840x2160p and comes in a compact design for easy placement into a variety of video production applications. The CV380-CS is designed for any point-of-view (POV) camera application where a small, miniature camera can fit into unique locations for compelling angles and viewpoints.

- » 6G-SDI & HDMI 1.4 outputs
- » 8.5-Megapixel (1/2.5") Sony Exmor sensor (4:2:2)
- » Varifocal or Fixed CS/C mount lens with DC auto-iris option
- » UHD: 3840 x 2160p outputs 30, 29.97, 25, and 24 fps
- » Progressive HD: 1080p/720p outputs 59.94, 50, 29.97, 25, and 24 fps
- » Remote adjust & match via RS485 (Visca)



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## ULTIMATE CAMERA CONTROL



### Marshall CV-RCP-V2 **///NEW///**

#### Touchscreen RCP Camera Controller

The CV-RCP-V2 allows you to control up to seven broadcast cameras at a distance up to 300m (1,000 foot) over common XLR cable, and it features a new intuitive touchscreen control with fine-tune adjustment dials. With the CV-RCP-V2, you can remote adjust, paint, and match Marshall Cameras without ever having to leave the convenience of a production room or broadcast truck.

- » 5-inch TFT LCD Touchscreen (800x480) with fine-tune adjustment knobs
- » Adjust and match up to seven different cameras, individually or all at once
- » 3-pin XLR cable for cable-runs at distances of up to 300 meters (1,000 ft)
- » Adjustments made on camera without OSD Menu appearing on video stream
- » Onboard or external USB memory for global and individual saved presets



## HIGH SPEED 120 FPS

### Marshall CV506-H12 **NEW**

#### Miniature 1080p 120fps Camera

The Marshall CV506-H12 high-speed camera can capture footage at up to 120 frames per second, while retaining HD resolution and a full range of adjustment settings — all packaged into a miniature, sturdy housing. The CV506-H12 is built for capturing high-speed action for detailed, high-definition slow-motion video.

- » HDMI 2.0 output
- » 2-Megapixel (1/2.8") Sony Exmor sensor
- » Interchangeable M12-mount lenses (comes with 3.6mm)
- » Progressive HD: 1080p/720p outputs 120, 100, 60, 50, 30, 25 fps
- » Remote adjust & match via RS485 (Visca)



*\*Preliminary product photo.  
Some physical elements subject to change in final development.*



## HD NETWORKED VIDEO



### Marshall CV620-IP **NEW**

#### Pan-Tilt-Zoom IP Camera

The Marshall CV620-IP Broadcast ProAV PTZ Camera is built around a professional grade 2-Megapixel 1/2.8-inch sensor with a smooth 20X Optical Zoom (4.7~94mm) block. It has versatile outputs such as 3G/HD-SDI, HDMI Type-A, and IP (H.264), which allows for one Ethernet cable to contain compressed H.264 Video, PoE (48V) and IP Control.

- » Captures up to 1920x1080p Full-HD video at 59.94/60/50 fps
- » Supports H.264 encoding, PoE, and control over ethernet
- » 3GSDI and HDMI outputs
- » Up to 20X optical/12X digital zoom
- » 340° pan, 120° tilt with variable transition speeds
- » Supports RS422/RS232 control interfaces
- » Mountable via table, wall, or ceiling
- » Available in white and black models



#### CV620-IP Connections:

1. Ethernet connection carries video, power and control
2. Audio input for localized sound sources
3. RS-232 input/output with loopthrough
4. RS-422 interface
5. HDMI output
6. 3GSDI output

**NEW!**

### Upgrade to CV620-NDI for use with **NDI|HX** networks

Upgrade the CV620-IP to become the CV620-NDI, available as a source for all compatible systems, devices, and software on NDI networks.

» Visit [www.marshall-usa.com](http://www.marshall-usa.com) to find out more about the CV620-NDI.

### Marshall CV502

#### Miniature HD Camera

The CV502 is a Full-HD mini-broadcast camera that uses a 2.5-Megapixel, 1/3-inch sensor to capture sharp, vivid color images even in very low light conditions. The strong, sturdy housing makes it great for any kind of POV application. The CV502 has outputs of 3G/HD-SDI (BNC), and CVBS (BNC) built into rear panel.

- » 2.5-Megapixel HD sensor
- » Easily changeable lenses (comes with 3.7mm)
- » 3G/HD-SDI & CVBS (composite) outputs
- » Resolutions: 1920x1080p, 1920x1080i, 1280x720p
- » Fast frame rates (determined by model):
  - » CV502-MB outputs 59.94/29.97 fps
  - » CV502-M outputs 50/60/25/30 fps
- » Remote adjust & match via RS485 (Visca)



### Marshall CV505

#### Miniature HD Camera with HDMI

The CV505 offers Full-HD resolution with the added convenience of HDSDI/3GSDI (BNC) and HDMI simultaneous outputs. It has a state-of-the-art 2.5-Megapixel, 1/3-inch sensor that delivers crisp video in 1920x1080i, 1920x1080p, 1280x720p, with frame rates at 60/59.94/50/30/29.97/25 fps.



- » 2.5-Megapixel HD sensor
- » Easily changeable lenses (comes with 3.7mm)
- » 3G/HD-SDI & HDMI outputs
- » Resolutions: 1920x1080p, 1920x1080i, 1280x720p
- » Fast frame rates (determined by model):
  - » CV505-MB outputs 59.94/29.97 fps
  - » CV505-M outputs 50/60/25/30 fps
- » Remote adjust & match via RS485 (Visca)
- » TRS audio input (2.5V phantom power)



## MINIATURE (M12) LENS OPTIONS



Marshall offers a range of M12 miniature lenses for use with the CV500-Series cameras, offering a variety of focal length and angle-of-view for optimal clarity and performance.

» For the latest compatible lens listings, visit [www.marshall-usa.com](http://www.marshall-usa.com)

#### HD Prime Lens (M12)

Part Number	Description & Horizontal Angle of View (AOV)
CV-4702.3-3MP	2.3mm, F2.2 3MP M12 lens; Horiz AOV = 126°
CV-4702.8-3MP-IR	2.8mm, F2.6 3MP M12 lens; Horiz AOV = 100°
CV-4703.6-3MP	3.6mm, F2.0 3MP M12 lens (stock); Horiz AOV = 72°
CV-4706-3MP-IR	6.0mm, F2.4 3MP M12 lens; Horiz AOV = 48°
CV-4708.0-3MP	8.0mm, F1.8 3MP M12 lens; Horiz AOV = 40°
CV-4712.0-3MP	12.0mm, F1.8 3MP M12 lens; Horiz AOV = 33°
CV-4716.0-2MP	16.0mm, F1.8 3MP M12 lens; Horiz AOV = 25°

#### HD Varifocal Lens (M12)

Part Number	Description & Horizontal Angle of View (AOV)
CV-2812-3MP	2.8-12mm, F1.4 3MP Varifocal M12 lens; Horiz AOV = 108-3°
CV-0622-5MP	6.0-22mm, F1.6 5MP Varifocal M12 lens; Horiz AOV = 46-16°

## IP67 WEATHERPROOF CAMERAS

### Marshall CV502-WP Miniature Weatherproof Camera

The CV502-WP is weatherproof rated IP67, ensuring water protection when submerged up to 1m and total protection against dust, dirt, and sand. The CV502-WP has a 2.5-Megapixel, 1/3-inch sensor for crisp, clear video, and it can be controlled over OSD menu joystick, RS-485 (Pelco/Visca), and the Marshall CV-RCP-V2.

- » Professional broadcast HD sensor
- » Full-HD up to 1080p @ 50/59.94 fps (3G)
- » All-Weather IP67-rated housing
- » Easily changeable M12 lenses
- » 3G/HD-SDI (BNC) connections
- » Remote adjust & match via RS485 (Visca)
- » **Winner of TVTechnology 2018 Best of Show Award**

3GSDI

LENS  
OPTIONSRS-485  
CONTROLWEATHER  
PROOF

#### Compatible lenses for CV502-WP:

Part Number	Description & Horizontal Angle of View (AOV)
CV-4702.8-3MP-IR	2.8mm, F2.6 3MP M12 lens; Horiz AOV = 100°
CV-4703.6-3MP	3.6mm, F2.0 3MP M12 lens (stock); Horiz AOV = 72°

### Marshall CV502-CAPS-LG Lens Cap Extension for CV502-WP



#### Compatible lenses for CV502-WP when used with CV502-CAPS-LG:

Part Number	Description & Horizontal Angle of View (AOV)
CV-4706-3MP-IR	6.0mm, F2.4 3MP M12 lens; Horiz AOV = 48°
CV-4708.0-3MP	8.0mm, F1.8 3MP M12 lens; Horiz AOV = 40°
CV-4712.0-3MP	12.0mm, F1.8 3MP M12 lens; Horiz AOV = 33°
CV-4716.0-2MP	16.0mm, F1.8 3MP M12 lens; Horiz AOV = 25°

### Marshall CV225 Full-HD Weatherproof Lipstick Camera

The CV225 Lipstick Camera captures stunning Full-HD video in a versatile, durable, and discrete package. The CV225 utilizes the latest sensor technology in a compact and sleek weatherproof design, and is ideal for professional broadcast television applications including professional sporting events, reality television, live music events, broadcast trucks, weather vehicles, and house of worship installations.

- » 2.5-Megapixel HD sensor with 3.7mm lens (72° AOV)
- » Weatherproof IP67 rated body with 10' (3m) breakout cable
- » 3G/HD-SDI output with compact & lightweight body
- » Resolutions: 1920x1080p, 1920x1080i, 1280x720p
- » Fast frame rates (determined by model):
  - » CV225-MB outputs 59.94/29.97 fps
  - » CV225-M outputs 50/60/25/30 fps
- » Remote adjust & match via RS485 (Visca)

3GSDI

LENS  
OPTIONSRS-485  
CONTROLWEATHER  
PROOF



### Marshall CV343

#### Compact HD Camera

The CV343 offers the lowest noise ratio and lowest power consumption for a Full-HD miniature camera on the market. It features new proprietary pixel technology to capture detailed video images in resolutions of 1920x1080i, 1920x1080p, 1280x720p and frame-rates of 60/59.94/50/30/29.97/25 fps.

- » 2.5-Megapixel HD sensor
- » CS-mount Varifocal lens flexibility (sold separately)
- » 3G/HD-SDI & Composite Video (CVBS) outputs
- » Resolutions: 1920x1080p, 1920x1080i, 1280x720p
- » Fast frame rates (determined by model):
  - » CV343-CSB outputs 59.94/29.97 fps
  - » CV343-CS outputs 50/60/25/30 fps
- » Remote adjust & match via RS485 (Visca)

3GSDI

HDMI

LENS  
OPTIONS

RS-485  
CONTROL

### Marshall CV345

#### Compact HD Camera with HDMI

The CV345 is a compact full-HD broadcast camera that has TRS audio input with Line/Mic level selectable depending on input device, unbalanced (L/R mixed) and 2.5V power. It has a Hirose-style (I/O) connector that contains RS-484 connectors, 12V power connector, and audio TRS input. The CV345 has outputs in 3G/HDSDI (BNC) and full-size HDMI that are built-in to the rear panel.

- » 2.5-Megapixel HD sensor
- » CS-mount varifocal lens flexibility (sold separately)
- » 3G/HD-SDI & HDMI outputs
- » Resolutions: 1920x1080p, 1920x1080i, 1280x720p
- » Fast frame rates (determined by model):
  - » CV345-CSB outputs 59.94/29.97 fps
  - » CV345-CS outputs 50/60/25/30 fps
- » Remote adjust & match via RS485 (Visca) commands
- » TRS Audio input (2.5V phantom power)
- » Line or Mic Level selectable

3GSDI

HDMI

LENS  
OPTIONS

RS-485  
CONTROL

TRS AUDIO



## COMPACT (CS-MOUNT) LENS OPTIONS



Marshall offers a range of CS-mount lenses for use with the CV300-Series cameras, offering a variety of focal length and angle-of-view, with DC auto iris or manual iris control.

» For the latest compatible lens listings, visit [www.marshall-usa.com](http://www.marshall-usa.com)

### DC Auto Iris Lens (CS-Mount)

Part Number	Description & Horizontal Angle of View (AOV)
VS-M226-A	2.2-6mm, F1.3 3MP DC Auto Iris; Horiz AOV = 129-50°
VS-M419-6MP	4.1-9mm, F1.6 6MP DC Auto Iris; Horiz AOV = 72-33° (1/3")/ 97-44° (1/2")
VS-M550-4	5-50mm, F1.4 3MP DC Auto Iris; Horiz AOV = 56-6°
VS-M1550-A	15-50mm, F1.5 3MP DC Auto Iris; Horiz AOV = 20-6°

### Manual Focus Lens (CS-Mount)

Part Number	Description & Horizontal Angle of View (AOV)
VS-M226-M-IRIS	2.2-6mm, F1.3 3MP Manual Iris; Horiz AOV = 129-50°
VS-M288-M-IRIS	2.8-8mm, F1.2 3MP Manual Iris; Horiz AOV = 110-30°
VS-M2812-2	2.8-12mm, F1.2 3MP Manual Iris; Horiz AOV = 98-25°



**Marshall CV350-10X**  
Compact 10X Zoom Block Camera

The CV350-10X is a compact, Full-HD broadcast camera that has a 10X optical zoom (4.7~47mm focal range) and a 12X digital zoom (total range of 120X). It has outputs in HDMI Type-A and 3G/HD-SDI (SMPTE 424M/292) outputs, and has an OSD joystick on rear panel and can also be controlled through IR remote and RS485 (Visca) controls.

- » 2.5-Megapixel HD sensor
- » 10X Zoom block, focal length 4.7~47mm (F1.6~F3.0), AOV – 58° (wide) to 6.4° (tele)
- » 3G/HDSDI and HDMI outputs with IR remote, RS485 (Visca) & OSD joystick
- » CV350-10XB: 1080p59.94/29.97, 1080i59.94, 720p59.94/29.97fps
- » CV350-10X: 1080p50/60, 1080i50/60, 720p50/60/25/30fps



**Marshall V-LCD70W-SH** **NEW**  
7" Camera-top Monitor

The Marshall V-LCD70W-SH packs convenience and power into one lightweight package. Optimized for DSLR or video camera tops at only 1.2 lbs. (544 grams) with built-in features like conversion between HDMI and SDI inputs and waveform and audio metering.

- » Convenient, streamlined design
- » Intuitive controls and menus
- » Built-in waveform and vectorscope display
- » Peaking and false-color filter
- » 16-Channel audio level meters
- » HDMI and SDI inputs with loop-out
- » Lightweight (less than 1.2Lb/ 544g)



**FLEXIBLE CAMERA MOUNTS**



**Marshall CVM-7**  
7-inch Articulated Locking Arm

- » Durable metal construction
- » Locking ball-socket joints
- » 1/4"-20 mounting points



**Marshall CVM-11**  
11-inch Articulated Locking Arm

- » Durable metal construction
- » Locking ball-socket joints
- » 1/4"-20 mounting points



**Marshall CVM-12**  
Heavy Duty C-Clamp

- » Durable metal construction
- » 1/4"-20 mounting points
- » Securely attaches to tables, pipes, struts, and car windows



**Marshall CVM-15**  
Wall Mount Plate

- » Durable metal construction
- » 1/4"-20 mounting point
- » Recommended for use with CVM-7, CVM-11, and CVM-12



**Marshall CVM-20**  
Heavy Duty Spring Clamp

- » Durable metal construction
- » 1/4"-20 mounting point
- » Securely attaches to tables, pipes, struts, and car windows



### Marshall CV612HT-4K **NEW** 4K HDBaseT™ PTZ Camera

The Marshall CV612HT-4K/4K Camera is built around a 4K/UHD 9-Megapixel 1/2.3-inch sensor with durable and smooth simultaneous Pan-Tilt-Zoom operation. One Cat5e/6 cable carries PoE (48V), uncompressed 4K video, and command control to camera. Remote operation and control using common protocols make it compatible with most integrated control systems.

- » Captures up to 3840x2160p at 29.97/25 fps
- » Enables one cable to camera setup via HDBaseT™
- » Up to 12X optical zoom with 12X digital zoom
- » 74° panoramic angle of view (AOV) at 3.9mm
- » 340° pan, 120° tilt with variable transition speeds
- » 128 PTZ preset locations
- » Simultaneous HDBaseT™ and HDMI outputs
- » Supports RS422/RS232 interfaces
- » Compatible with most integrated video systems via VISCA/PELCO
- » Built-in tally light
- » Mountable via table, wall or ceiling
- » Available in black and white models

ULTRA HD

HDMI

HDBT

RS-232 CONTROL



1. HDBaseT carries uncompressed video, power and control
2. HDMI output
3. RS-232 input/output with loopthrough
4. RS-422 interface



### Marshall CV620 Full-HD PTZ Camera

The Marshall CV620-WH2/BK2 is a high-definition PTZ camera that can be controlled via RS232 over Cat cable, or RS422 over twisted pair and uses common protocols. The Marshall CV620 has versatile outputs, including HD-SDI (3G) and HDMI (DVI) and many broadcast adjustable settings, such as white balance, exposure, iris, gamma, black level, and more for tremendous flexibility of use.

- » Captures up to 1920x1080p at 59.94/60/50 fps
- » Up to 20X optical/12X digital zoom
- » 340° pan, 120° tilt with variable transition speeds
- » HD-SDI (3G) and DVI (HDMI) outputs
- » Supports RS422/RS232 Interfaces
- » Mountable via table, wall or ceiling
- » Available in black and white models

3GSDI

HDMI

RS-232 CONTROL



1. HD-SDI (3G) output
2. DVI (HDMI) output
3. RS 422 interface
4. RS232 input/output with loopthrough



## HD STREAMING SOLUTIONS



### Marshall VS-102

#### Full-HD Encoder/Decoder

The Marshall VS-102-HDSDI is a high-definition video server that allows real-time transmission of SD/HD-SDI, HDMI, or NTSC/PAL composite video signals along with bi-directional AAC encoded high-definition stereo audio over ethernet and standard IP networks.

- » Accepts HDMI and HD-SDI inputs, analog, and embedded audio inputs
- » USB recording
- » Supports H.264 and MJPEG codecs
- » Dual streaming

3GSDI

HDMI

PoE

IP H.264  
STREAMING

Onvif

### Marshall VS-103E

#### Full-HD Encoder

The VS-103E encodes two channels of embedded audio from HDMI or HDSDI input, and supports 60 fps at 1920x1080 resolution. It features dual-streaming and supports MPEG2-TS.

- » Accepts HDMI and HD-SDI inputs, analog, embedded audio inputs
- » USB recording
- » Supports H.264 and MJPEG codecs
- » Dual streaming

3GSDI

HDMI

PoE

IP H.264  
STREAMING

Onvif



### Marshall VS-104D

#### Full-HD Decoder

The VS-104D-3GSDI is a cost-effective decoder based on H.264 with 3GSDI, HDSDI, HDMI and CVBS outputs. It is capable of decoding the RTSP stream generated by most IP cameras or encoders as well as ONVIF compliant high-end cameras from Axis, Bosch, Sony, Pelco and many more.

- » Supports up to 1080p at 50/60 fps
- » Supports up to 1080p at 50/60 fps
- » Supports 4:2:2 and 4:2:0 Signal Structures
- » Accepts HDMI and HD-SDI inputs, analog, and embedded audio inputs
- » Dual LAN ports
- » Dual USB ports
- » Supports H.264 and MJPEG codecs

3GSDI

HDMI

PoE

IP H.264  
STREAMING

Onvif

### Marshall VS-SW-100

#### 24-Port IPTV Switch

The VS-SW-100 is a 26-port 10/100/1000Mbps Power over Ethernet switch, which consists of 24 PSE/PoE ports with an additional 2 SFP uplink port. The VS-SW-100 has been designed specifically for use with IP cameras, encoders, and decoders.

- » Provides 24 10/100/1000 Mbps switching ports and 2 gigabit SFP ports
- » Broadcast traffic storm control
- » Status LED display
- » Complies with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3x Flow control, IEEE-802.3af/at

PoE

IP H.264  
STREAMING

### Marshall M-LYNX-702W

#### Dual 7" Rackmount Monitor with Built-in Analytics Display

The M-LYNX-702W provides maximum versatility with multiple inputs and waveform and vectorscope displays. All functions are available through front panel buttons as well as remote control via an RJ-45 Ethernet port.

- » Dual 1200x800 displays
- » Supports 3G-SDI, HDMI, composite and component inputs with loop-through
- » Built-in waveform and vectorscope
- » Selectable markers, 1:1 pixel mapping, over scan and H/V delay modes
- » Audio de-embedding and monitoring via front panel headphone jacks
- » Tri-color tally

3GSDI

HDMI

3RU



### Marshall M-LYNX-702

#### Dual 7" Rackmount Monitor

The M-LYNX-702 Dual 7" LCD display is a feature-packed, economical solution perfect for fly-packs, control rooms, routing rooms, and countless other video system applications. It has multiple video inputs including HDMI and 3GSDI with loop-through.

- » Dual 1024x600 displays
- » Supports 3G-SDI, HDMI, composite and component inputs with loop-through
- » Selectable markers, 1:1 pixel mapping, over scan, and H/V delay modes
- » Audio de-embedding and monitoring via front panel headphone jacks
- » Tri-color tally

3GSDI

HDMI

3RU



### Marshall M-LYNX-503

#### Triple 5" Rackmount Monitor

The M-LYNX-503 is a Triple 5-inch Rackmountable Monitor with HDMI, 3G-SDI and Composite Inputs. The M-LYNX-503 is perfect for flypacks, control rooms, and news vans, where multiple video inputs need to be monitored and analyzed from a variety of sources.

- » Triple 800x480 displays
- » Supports 3G-SDI, HDMI, composite and component inputs with loop-through
- » Selectable markers, 1:1 pixel mapping, over scan, and H/V delay modes
- » Audio de-embedding and monitoring via front panel headphone jacks
- » Tri-color tally

3GSDI

HDMI

2RU



### Marshall V-R173-DLW

#### 17.3" Digital Analytics Workstation

The V-R173-DLW has inputs for 3G, Dual Link, and DVI, with a quad-view output monitor mode that displays waveform, vectorscope, digital audio, color display settings, and more, packed in a 17.3" high-quality LED panel display.

- » 1920x1080 LED-backlit display
- » Built-in waveform, vectorscope, and digital audio analytics
- » Supports 3G, dual-link and DVI (HDMI) inputs
- » Quad-view mode displays input signal in four quadrants for critical analysis
- » Supports TSL and NVISION protocols
- » Supports CEA-608-B and CEA-708-B closed captioning data
- » Tri-color tally



### Marshall AR-DM51-B **NEW**

#### 16-Channel Audio Monitor

The AR-DM51-B is a compact, lightweight audio monitor that can preview up to 8 stereo channels of audio. It has two extra powerful speakers (up to 100dB in volume) for accurate monitoring even in noisy environments, and the small built-in video screen allows for precise confidence monitoring during live broadcasts.

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



### Marshall AR-DM61-BT **NEW**

#### Multi-Channel Digital Audio Monitor

The AR-DM61-BT is a powerful audio/video QC solution designed specifically for TV stations, broadcast trucks, transfer stations, and house of worship facilities. It features versatile audio analysis functions, flexible matrix conversion tools, and a pair of powerful speakers packed into 1 RU.

- » 10" LCD Intuitive Touchscreen Panel displays up to 64 channels vertical or two detailed channels horizontal with LKFS bars and peak indicators
- » Built-in live video preview monitor
- » Accepts inputs from multiple signal types with matrix conversion
- » High-powered stereo speakers (up to 100 dB output)



# 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.

For more information and complete product listings, visit [www.marshall-usa.com/broadcast](http://www.marshall-usa.com/broadcast)

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