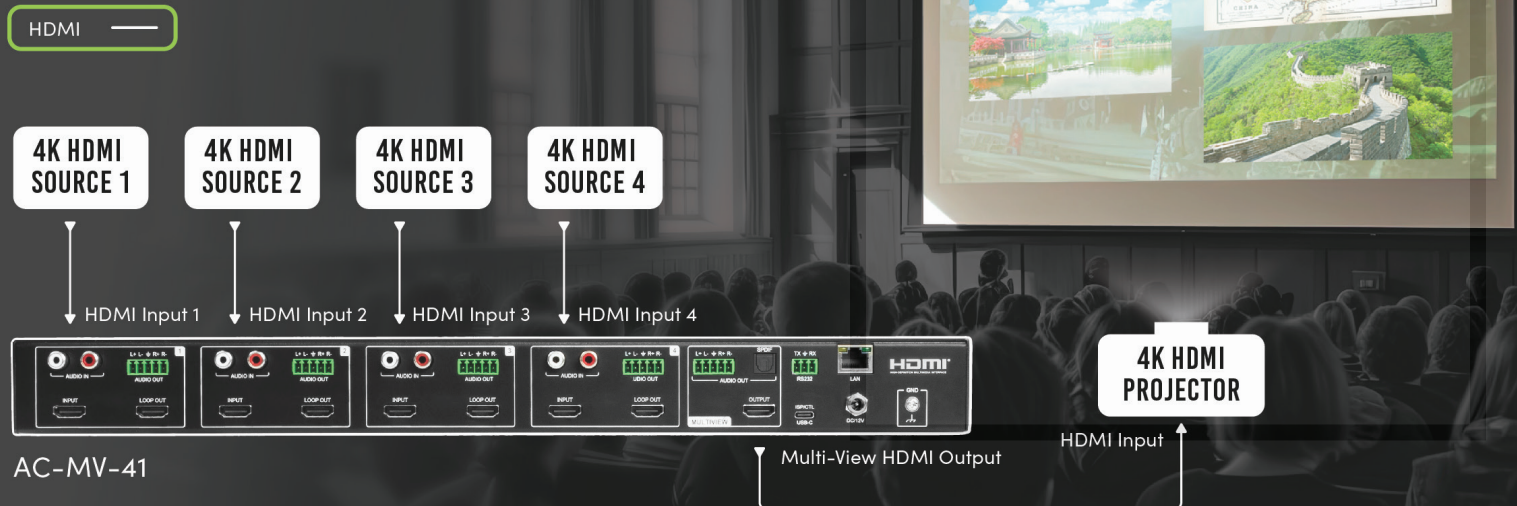# 4K 4x1 MULTI-VIEWER
AC-MV-41

From a single HDMI 2.0 output, the AVPro Edge AC-MV-41 Multi-View video processor simultaneously displays as many as four separate sources on any size monitor, television, or projector. This versatile Multi-Viewer/Tiler may be used stand-alone, enabling four directly connected sources to be viewed as a composite image, video wall style, or independently full-size, with input switching controlled by most third-party overcontrol systems. Recallable presets may feature all inputs equally in a traditional quad view or customized to highlight one source in a larger window, with others tiled in an endless variety of patterned layouts.

School Multi-View Application
Using Picture-in-Picture (PIP) to Display Information

HDMI ——

| 4K HDMI SOURCE 1 | 4K HDMI SOURCE 2 | 4K HDMI SOURCE 3 | 4K HDMI SOURCE 4 |

HDMI Input 1   HDMI Input 2   HDMI Input 3   HDMI Input 4

4K HDMI PROJECTOR

HDMI Input

AC-MV-41

Multi-View HDMI Output

PRODUCT SPECIFICATIONS

VIDEO:

VIDEO RESOLUTIONS	UP TO 4K60
HDR FORMATS/RESOLUTIONS	420, 422, 444 (10 AND 12 DEEP COLOR) HDR10, HDR10+, DOLBY VISION, HLG
COLOR SPACE	YUV (COMPONENT), RGB (CSC: REC. 601, REC. 709, BT2020, DCI, P3 D6500)
CHROMA SUBSAMPLING	4:4:4, 4:2:2, 4:2:0 SUPPORTED
DEEP COLOR	UP TO 16 BIT

AUDIO:

AUDIO FORMATS SUPPORTED HDMI	PCM 2.0 CH, LPCM 5.1 & 7.1, DOLBY DIGITAL, DTS 5.1, DOLBY DIGITAL PLUS, DOLBY TRUEHD, DTS-HD MASTER AUDIO, DTS-X, DOLBY ATMOS
ANALOG INPUT VOLTAGE	0.8 VRMS; 2.3 VP-P
AUDIO FORMATS SUPPORTED EXTRACTED (2CH PORT)	PCM 2 CH
ANALOG OUTPUT PEAK VOLTAGE	1.39 VRMS; 3.94 VP-P

DISTANCE:

HDMI IN/OUT (4K60 4:4:4)	UP TO 50 FEET (USING BULLET TRAIN HDMI)
HDMI IN/OUT (W/ AOC CABLE) (4K60 4:4:4)	UP TO 130 FEET (USING BULLET TRAIN AOC)

OTHER:

BANDWIDTH	18 Gbps (TMDS)
HDCP	HDCP 2.3 AND EARLIER

CONTROL:

CONTROL	LAN, RS232
DRIVERS	C4, RTI, ELAN, URC (FOR MORE - SEE DRIVERS PAGE)
AVPRO WEBUI	YES

PORTS

HDMI	TYPE A
LAN	RJ45 W/ WEB INTERFACE/ CONTROL
AUDIO (ANALOG INPUT)	RCA
AUDIO (EXTRACTED ANALOG)	5 PIN TERMINAL BLOCK (BALANCED)
RS232	3 PIN TERMINAL BLOCK

ENVIRONMENTAL:

OPERATING TEMPERATURE	23 TO 125°F (-5 TO 51°C)
STORAGE TEMPERATURE	-4 TO 140°F (-20 TO 60°C)
HUMIDITY RANGE	5-90% RH (NO CONDENSATION)

POWER:

POWER CONSUMPTION (TOTAL)	23.04W (12V 1.92A)
POWER SUPPLY	INPUT: AC 100-240V~ 50/60HZ OUTPUT: DC 12V 5A

DIMENSIONS:

DIMENSIONS (UNIT ONLY LENGTH/WIDTH/HEIGHT)	MM: 225.55 X 439.67 X 44.45 IN: 8.88 X 17.31 X 1.75
DIMENSIONS (PACKAGED LENGTH/WIDTH/HEIGHT)	MM: 374.65 X 569.98 X 123.95 IN: 14.75 X 22.44 X 4.88
WEIGHT (UNIT)	7 LBS (3.18 KG)
WEIGHT (PACKAGED)	9.6 LBS (4.35KG)

*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. MASS & DIMENSIONS ARE APPROXIMATE

KEY FEATURES

Bring the Sports Bar Home: With one to as many as four sources displayed simultaneously on a single screen, Game Day will never be the same. Be a broadcast coordinator and catch every crucial game-changing moment.

Full HDR Compatibility: The AC-MV-41 features AVPro Edge's unique ability to strip away HDR metadata (post-loop out circuitry) converting the signal into RGB, and enabling mixed dynamic range input sources to be combined by the AC-MV-41 multi-viewer for flawless display.

HDMI Input Loop-out: Each HDMI input has a companion HDMI loop output for pass-along integration with additional system devices. The loop-out circuitry is positioned in the signal chain before metadata is stripped away (described above) and is preserved for playback on other system displays, or another input of the main display used by the AC-MV-41.

Customized Layouts: Remember the days when Picture-in-Picture was a typical TV feature? The digital era made that too complex. Bring it back, and more, with the AC-MV-41. Whether the classic main picture/keep tabs box in the corner, quad view with four equally sized windows, or custom layouts featuring window tiling imaginatively crafted by your creativity, the AC-MV-41 lets your TV remote control take a well-earned time out.

HDMI 2.0 Support: The AC-MV-41 is HDMI 2.0 compliant, with HDCP 2.3, for all four inputs and the solo HDMI output. Sources may include SD, HD, and Ultra HD up to 4K/60 fps and safely be combined into a single image for playback on the dedicated display. AVPro Edge's renowned EDID management eliminates interface headaches so systems function reliably with complete repeatability.

Driver Support: Control 4 drivers are available for immediate deployment. The API is robustly fortified, and full command is capable by nearly every major third-party overcontrol provider.

Analog inputs and Outputs: Alternate audio from an HDMI source (for example, audio from HDMI outputs from some laptops that will not pass through) may be assigned to follow the video via the RCA input.

A 5-pin block connector passes extracted left and right channel audio for site-wide distribution if desired. (Note: This is not Downmixed audio. Front left and right channel content from multichannel audio codecs will playback as they were encoded and may not contain dialogue information).