

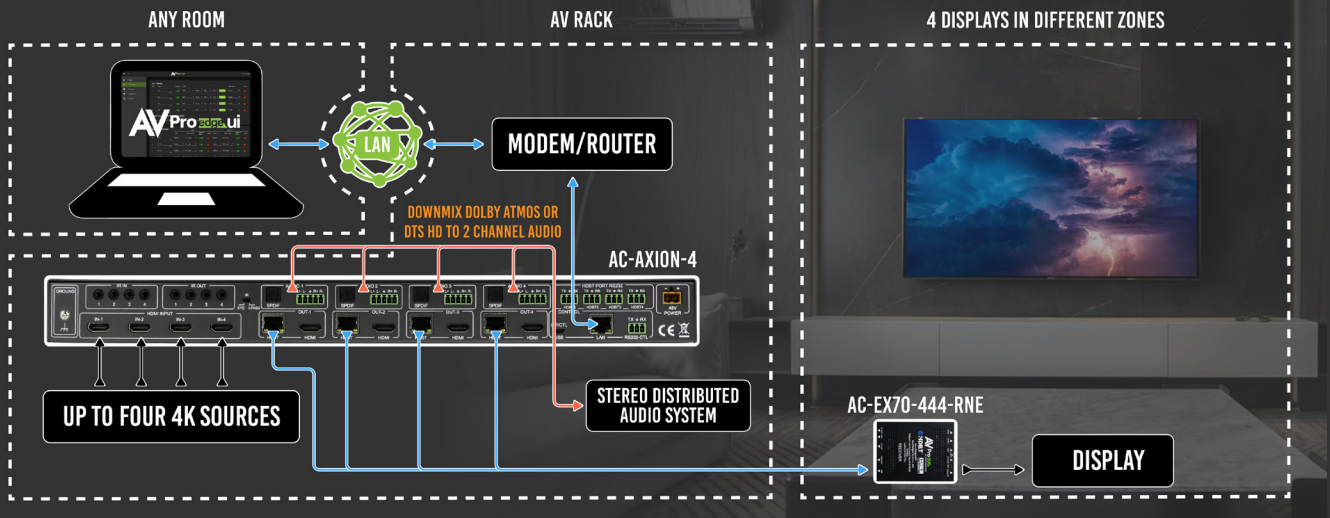
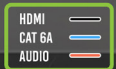
# AXION 4x4 HDBaseT/HDMI Matrix Switcher

AC-AXION-4

The AC-AXION-4 is a high bandwidth audio/video matrix switcher. What makes this product unique is the ability to downmix bitstream audio beyond 7.1 channel, including Dolby Atmos® and DTS:X®, into a 2-channel audio signal via all four inputs. This Matrix switcher's back-end interface has been completely redesigned from the ground up, allowing complete control through this Axion Interface. Supporting the full HDMI 2.0 a/b specification and supporting every version of HDR, this matrix will ensure you can get the most out of any system. Controlling the AC-AXION-4 is not a problem with the AXION Interface, as you can manage all the settings and controls. We also offer drivers for all the top control systems. The AC-AXION-4 will become a staple in your large demanding installations!



## AXION 4 LUXURY HOME APPLICATION



# PRODUCT SPECIFICATIONS

<b>VIDEO:</b>	
VIDEO RESOLUTIONS	UP TO 4K 60HZ 4:4:4
VESA RESOLUTIONS	UP TO DCI 4K (4096X2160)
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 (1080), UP TO 12 BIT (4K)
SCALERS (HDMI) PER OUTPUT OPTIONAL	1080P TO 4K UP-SCALING (RESOLUTIONS ONLY, FRAMERATE STAYS THE SAME)
SCALERS (HDBASET) PER OUTPUT OPTIONAL	4K TO 1080P DOWN-SCALING (RESOLUTIONS ONLY, FRAMERATE STAYS THE SAME)
<b>AUDIO:</b>	
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
AUDIO FORMATS SUPPORTED EXTRACTED (TOSLINK)	ALWAYS DOWN-MIXED TO 2CH.
AUDIO FORMATS SUPPORTED EXTRACTED (2CH PORT)	ALWAYS DOWN-MIXED TO 2CH.
AUDIO EXTRACTION LOCATION	BIND TO INPUT, BIND TO OUTPUT, OR MATRIX (INDEPENDENT)
AUDIO DELAY (PER OUTPUT, EXTRACTED)	UP TO 630MS
<b>DISTANCE:</b>	
HDBASET OUT (4K60 4:4:4 & HDR) W/AC-EX70-444-RNE	70 METERS / 230 FEET (CAT 6A)
HDBASET OUT (1080P) W/AC-EX70-444-RNE	100 METERS / 330 FEET (CAT 6A)
HDBASET OUT (4K60 4:2:0 MAX) W/AC-EX70-UHD-R	40 METERS / 131 FEET (CAT 6A)
HDBASET OUT (1080P) W/AC-EX70-UHD-R	70 METERS / 230 FEET (CAT 6A)
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)
<b>OTHER:</b>	
BANDWIDTH HDMI	18 GBPS UNCOMPRESSED
BANDWIDTH HDBASET	18 GBPS (USES ICT ABOVE 10.2 GBPS SIGNALS)
HDCP	HDCP 2.3 AND EARLIER
POH FOR RECEIVERS (NO NEED TO POWER RECEIVERS)	YES, ALL OUTPUTS
<b>CONTROL:</b>	
PORTS	LAN, RS232, IR
DRIVERS	C4, RTI, ELAN, CRESTRON, URC (FOR MORE INFORMATION - SEE DRIVERS PAGE ON AVPROEDGE.COM/DRIVERS)
LAN WEB	YES
<b>PORTS:</b>	
HDMI	TYPE A
HDBASET	RJ45 W/ POH FOR HDBASET RECEIVERS
LAN	RJ45 W/ WEB INTERFACE/ CONTROL
AUDIO (EXTRACTED DIGITAL)	TOSLINK
AUDIO (EXTRACTED ANALOG)	5 PIN TERMINAL BLOCK (BALANCED)
IR	3.5MM STEREO (3 CONDUCTOR)
RS232	3 PIN TERMINAL BLOCK
<b>ENVIRONMENTAL:</b>	
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)
<b>POWER:</b>	
POWER CONSUMPTION (TOTAL)	38 WATTS MAX
POWER SUPPLY - MATRIX	INPUT: AC 100-240V ~ 50/60HZ OUTPUT: DC 48V 1.5A
<b>DIMENSIONS:</b>	
DIMENSIONS (UNIT ONLY - HEIGHT/DEPTH/WIDTH)	MM: 50.8 X 256 X 441.33 INCH: 2 X 10.07 X 17.375
DIMENSIONS (PACKAGED HEIGHT/DEPTH/WIDTH)	MM: 88.9 X 393.7 X 495.3 INCH: 3.5 X 15.5 X 19.5
RACK UNITS	1 UNIT
WEIGHT (UNIT)	7.5 LBS (3.4 KG)
WEIGHT (PACKAGED)	10 LBS (4.54 KG)

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

Our best developers have been hard at work bringing our integrators an easy-to-use web based user interface that allows them to set up, troubleshoot, and control this AXION 4. The AVPro Edge user interface (AEUI) allows for easy configuration and sets up the switch. This 4K matrix switcher also comes with a screen on the unit that can tell you the IP address for connecting directly to your control system. From built-in scaling to complete EDID control and configuring, you can customize every aspect of this device to work perfectly for your system.

## FULL FEATURE SET

- HDMI 2.0(a/b)
- 18Gbps Bandwidth Support
- 4K60 4:4:4 Support
- Ultimate HDR Support (HDR 10 & 12 Bit)
- Dolby Vision, HDR10+ and HLG Support
- HDCP 2.3 (and all earlier versions supported)
- Simple setup with front panel control screen
- AXION Interface for simple connectivity and control/management
- Advanced EDID Management
- IR, RS-232, and LAN Control Options
- Front Panel Control
- Driver Support for Crestron, C4, RTI, ELAN, and more
- Digital Toslink Out (7CH PCM, DD, DTS)
- Balanced Analog Output (Always downmixed)
- Audio Delay for Digital & Analog Out
- Extracted Audio Has 3 Operating Modes. Bound to Input, Bound to Output, or Independent Matrix
- Mirrored HDMI Outputs include unimpeded Audio
- Built-in Downmixer
- Built-in Downscalers
- ICT used in the HDBaseT outputs
- Volume Control

