



MXNet 1G DECODER (AC-MXNET-1G-D)

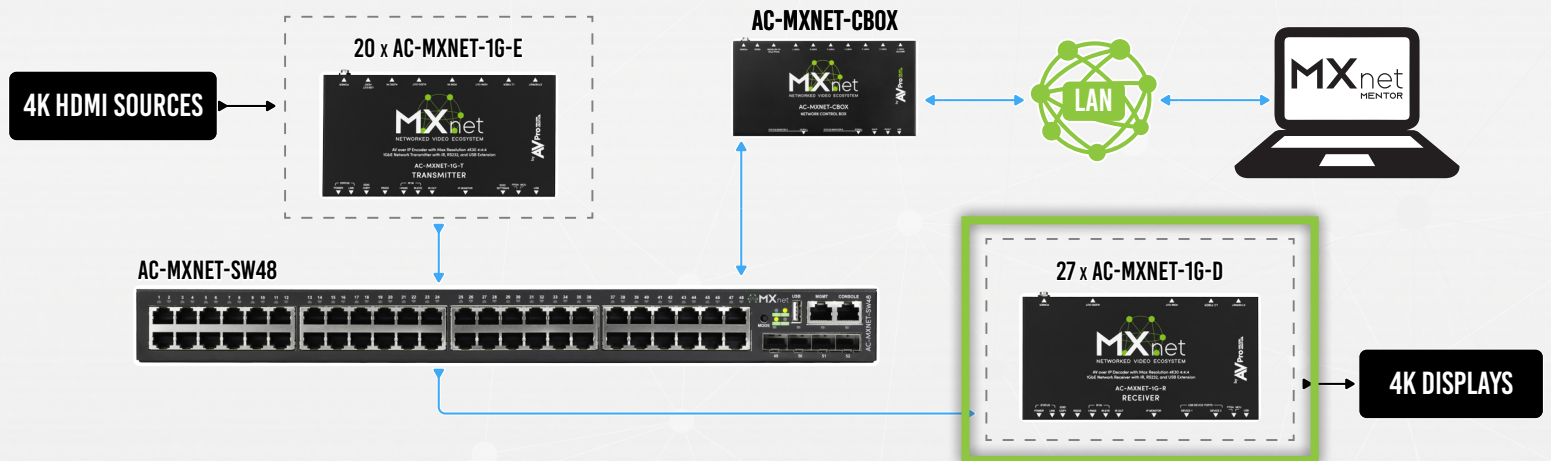
This is where the signal arrives – the MXNet Decoder/Receiver device. Connect this to any HDMI display device, and it will decode and receive the incoming audio/video signal changing it back to an image or picture. This device connects directly via category wires (CAT 5e or better) or fiber optics to the MXNet Switch (AC-MXNET-SW48 or SW24) or any other compatible multicast-capable managed L3 network switch.

The AC-MXNET-1G-D will Decode a 4K HDMI video signal – along with audio, control, and power. These signals are routed and passed from a single Encoder source via multicast routing through an MXNet or multicast compatible L3 managed network switch. And, it does all this with next to zero latency. MXNet Decoders decode IP packets to visually lossless audio/video signals. The AC-MXNET-1G-D Decoder also supports stand-alone point-to-point applications when connected directly to an AC-MXNET-1G-E Encoder.

The AC-MXNET-1G-D Decoder is only one part of the MXNet Ecosystem that includes Encoders, Network Switches, Control Processors and other various components designed to facilitate the building of a custom A/V distribution system. MXNet’s Ecosystem includes formatting such as resolution scaling, full EDID management, multifaceted video walls, and includes the MXNet Mentor setup and control tool – making installations easy on the integrator, while also presenting a major WOW factor for your client.



MXNET CONNECTION DIAGRAM



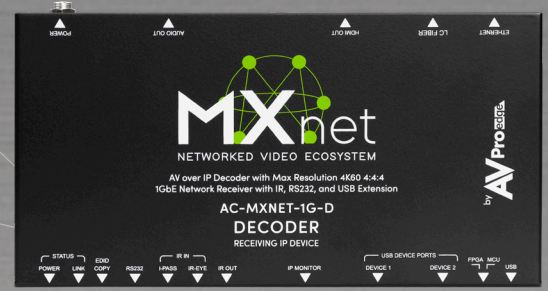
MXNet by AVPro Edge

www.avproedge.com | info@avproedge.com | 877-886-5112 OR +1 605 274 6055

PRODUCT SPECIFICATIONS

Decoding	
Video Codec	Proprietary Codec based on M-JPEG
Audio Codec	Proprietary Codec
Latency	16ms@60Hz
Streaming Protocols	TCP, UDP, IP, IGMP-V2
Copy Protection	HDCP 2.2 and earlier
Video Output/Ingestion	
Signal Type	DVI 1.0 (ingested, outputs as HDMI), HDMI 2.0b
Video Resolution	720p@50/60Hz; 1080p@24, 50 & 60Hz; 4K@30Hz
Chroma Subsampling	4:4:4, 4:2:2, 4:2:0 (Compresses to RGB Output) RGB
Bit Depth per Color	1080p (8-, 10-bit), 4K (8-, 10-bit) (Compresses to 8-bit Output)
Visually Lossless	1080p@60Hz SDR RGB (8-bit), 4K@30Hz SDR RGB (8-bit)
Audio	
Audio Format (end to end)	PCM 2, 5.1, 7.1 Channel, Dolby Digital 5.1 Channel, Dolby Digital Plus, DTS 5.1 Channel, DTS-ES, DTS-HD High Resolution
De-Embedded Audio	stereo analog audio (3.5 mm jack)
Communication/Control of External Devices	
USB	HID-Compliant
Serial/RS-232	Bi-directional Device Control / Monitoring
IR	Bi-directional Device Control / Extension
HDMI	HDCP 2.2, EDID Management (Encoder), CEC (Decoder)
Ports	
Ethernet	(1) × female RJ45, PoE
SFP	(1) × SFP Slot
HDMI	(1) × HDMI Type A 19-pin, female, one HDMI output
Audio	(1) × 3.5 mm mini stereo jack, Audio out
IR	(1) × 3.5 mm mini-stereo jack (IR-PASS) (1) × 3.5 mm mini-stereo jack (IR-EYE) (1) × 3.5 mm mini-stereo jack (IR-OUT)
RS232	(1) × 5-pin Terminal Block
USB	(1) × USB 2.0 Type-B for USB keyboard/mouse extension (1) × USB Micro for MXNET service
Distance	
Ethernet	100 Meters/ 330 Feet over CAT5e and above
SFP and Fiber	1000BASE-SX SFP Transceiver Module (MMF, 850nm, 550m, LC, DOM) 1000BASE-LX/LH SFP 1310nm 10km Transceiver Module
Environmental	
Operating Temperature	23 to 125°F (-5 to 51°C)
Storage Temperature	-4 to 140°F (-20 to 60°C)
Operating Humidity	5-90% RH (No Condensation)
Power	
Max Power Consumption	5.6W
PoE (Power over Ethernet)	IEEE 802.3af (15.4W)
Power Supply Unit	Input: AC 120-240V-50/60Hz 0.8A Output: DC 12V 2A
Dimensions	
Mounting	Rack and furniture mount support
Dimensions (Unit Only Width/Depth/Height)	mm: 199.14 x 103.1 x 13.47 inch: 7.84 x 4.06 x 0.53
Dimensions (Packaged Width/Depth/Height)	mm: 309.88 x 180.09 x 54.10 inch: 12.2 x 7.09 x 2.13
Weight (Unit)	1.20 lbs/0.54 kg
Weight (Packaged)	1.65 lbs/0.74 kg
Regulatory	CE/FCC/UL
Product Warranty	10 Years

Specifications subject to change without notice. Mass & dimensions are approximate



FEATURE SET

- 1G Maximum Data Rate
- Uses any standard category cable (CAT 5e or better)
- SFP Fiber Connection for Long Runs
- Built-In "Data Window" OLED display
- USB/KVM Device support
- Full Exterior Light Control (for discreet Installs)
- RS-232 and IR Direct Routing end point
- RS-232 over IP serial passthrough

www.avproedge.com | info@avproedge.com
877-886-5112 OR +1 605 274 6055