



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

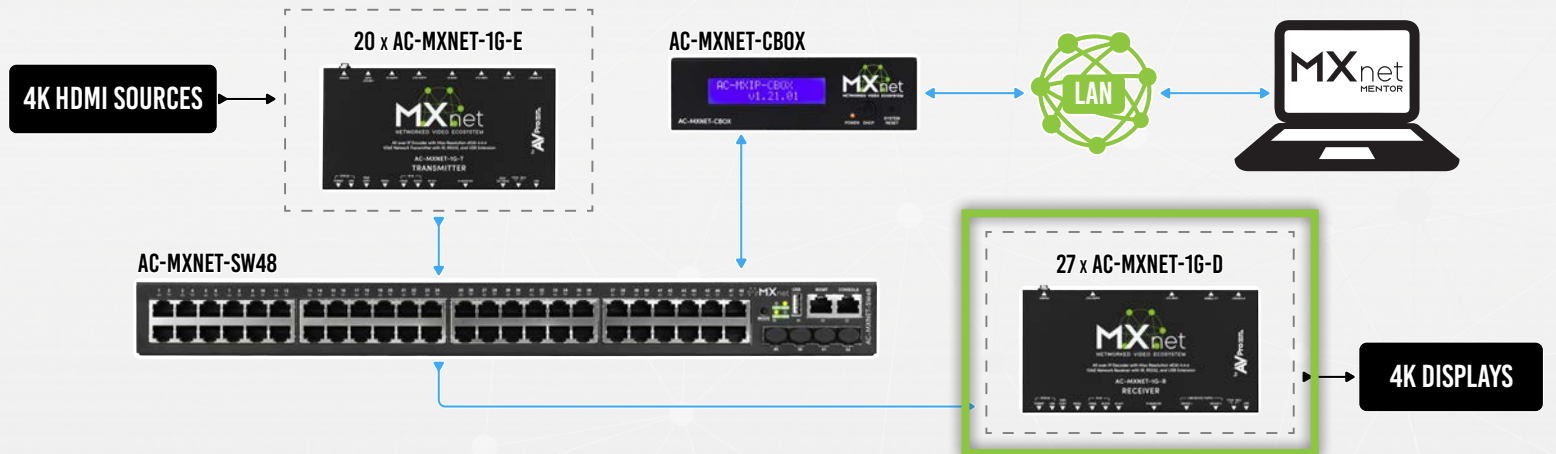
This is where the signal arrives – the MXNet Decoder/Receiver device. Connect this to any HDMI display device, and it will decode and receive the incoming audio/video signal changing it back to an image or picture. This device connects directly via category wires (CAT 6A recommended) or fiber optics 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 full 4K 4:4:4 60Hz HDMI video signal – along with audio, control, power, and HDR metadata signals. 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, HDR and Dolby Vision metadata, 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

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# PRODUCT SPECIFICATIONS

<b>VIDEO:</b>	
Signal Type	DVI 1.0, HDMI 2.0b
Video Resolution	4K@60Hz 4:4:4*, 4K@30Hz 4:4:4, 4K@60Hz 4:2:0
HDR Format	HDR 10, HLG, DV
Chroma Subsampling	444, 422, 420
Bit Depth per Color	1080P (16Bit), 4k (10, 12 Bit)
<b>AUDIO:</b>	
Audio Format	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
Embedded Audio	N/A
De-Embedded Audio	Ballanced Analog Audio
<b>PORTS:</b>	
Ethernet	(1) x Female RJ-45, PoE
SFP	(1) x SFP Slot
HDMI	(1) x HDMI Type A 19-pin, female, one HDMI output
Audio	(1) x 3.5 mm mini stereo jack, Audio out
IR	(3) x 3.5mm mini-stereo jack, one IR-Pass, one IR-EYE, one IR-out
RS232	(1) x 5 Pin Terminal Block
USB	(2) x USB 2.0 Type-A for USB extension and KVM, (1) x USB Micro Type-B for MXNET service
<b>DISTANCE:</b>	
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
<b>ENVIRONMENTAL:</b>	
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)
<b>POWER:</b>	
Max Power Consumption	9W
PoE (Power over Ethernet)	IEEE 802.3af (15.4W)
Power Supply Unit	Input: AC 120-240V-50/60Hz 0.8A Output: DC 12V 2A
<b>DIMENSIONS:</b>	
Mounting	Rack and Furniture mount support
Dimensions (Unit Only Width/Depth/Height)	mm: 200 X 104x 20 inch: 7.87 X 4.09 X 0.79
Dimensions (Packaged Width/Depth/Height)	mm: 310 X 180x 54 inch: 12.2 X 7.09 X 2.13
Weight (Unit)	1.2 LBS/0.55 KG
Weight (Packaged)	1.7 LBS/0.77 KG
Regulatory	CE/FCC/UL
Product Warranty	10 Years
Specifications subject to change without notice. Mass & dimensions are approximate *4K60 4:4:4/4k60 4:2:2 Uses ICT Compression	



## FEATURE SET

- 1G Maximum Data Rate
- Uses any standard category cable (CAT 6A recommended)
- 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