



MXNet 1G ENCODER (AC-MXNET-1G-E)

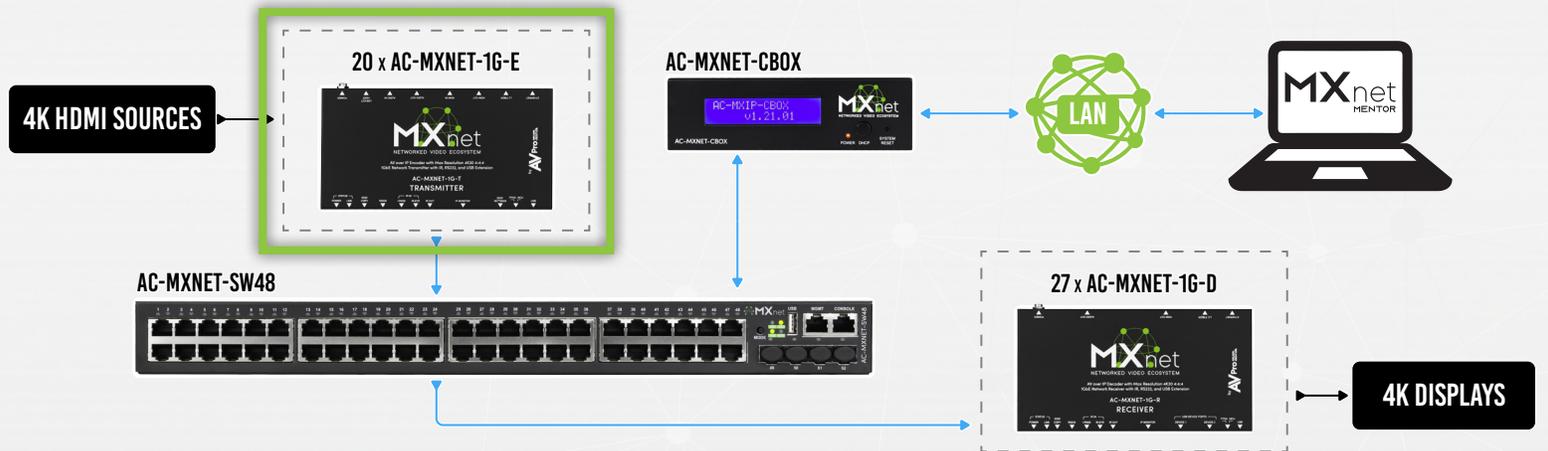
This is where the signal starts – the MXNet Encoder/Transmitter device. Connect this to any HDMI source, and it will encode the audio/video signal into a multicast data format that can be routed to any Decoder endpoint within the project/installation. This device connects directly via category cable (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-E will encode a full 4K 4:4:4 60Hz HDMI video signal – along with audio, control, power, and HDR metadata signals. And, it does all this with next to zero latency.

MXNet Encoders encode audio/video/control signals into IP packets using an optimized JPEG2000 codec at a flexible data rate (200Mbps for 1080p content, 300Mbps for 4K30 content, 850Mbps at peak). The AC-MXNET-1G-E Encoder also supports stand-alone point-to-point applications when connected directly to an AC-MXNET-1G-D Decoder.

The AC-MXNET-1G-E Encoder 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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