MXnet
NETWORKED VIDEO ECOSYSTEM
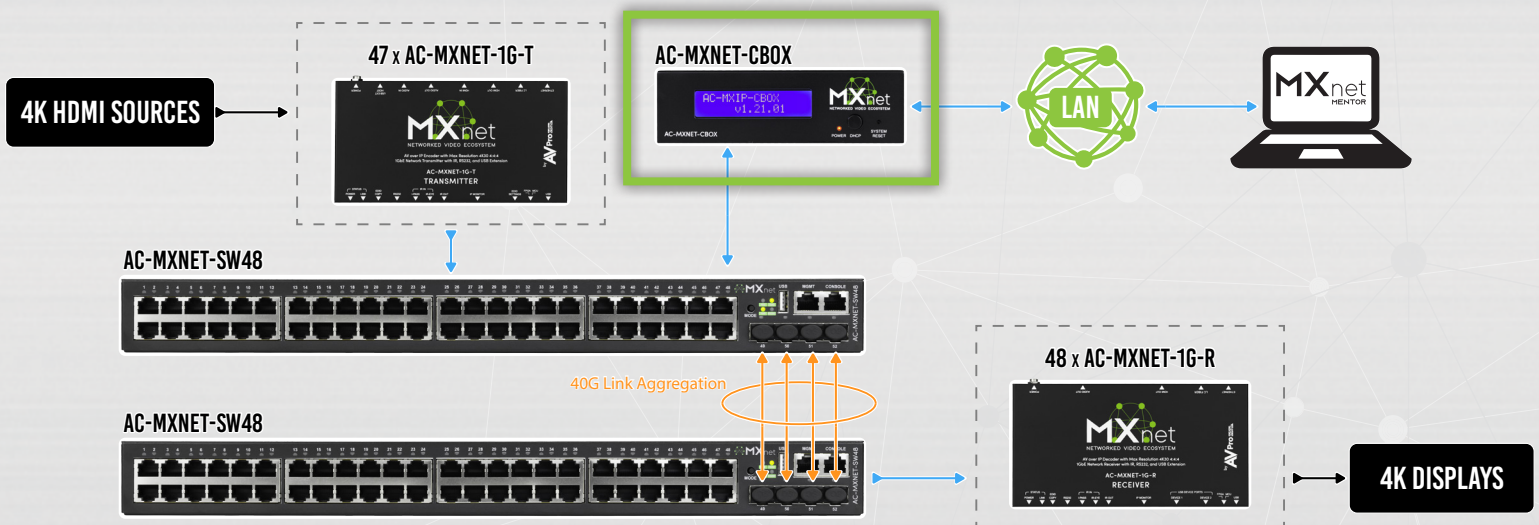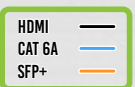
MXNet Control Box
(AC-MXNET-CBOX)

The CBOX is the key to MXNet Ecosystem universe as the multicast routing, A/V data management, and control member of the team. The CBOX houses the system API used by MXNet MENTOR and 3rd party control systems. The CBOX is POE powered and silently goes about its business of managing all things multicast and other data formats. The CBOX controls the whole Ecosystem, including audio/video switching/distributing, RS-232/USB/IR signal routing, mosaic video wall building, KVM and system management, etc.

The AC-MXNET-CBOX is capable of handling hundreds of multicast-enabled endpoints. Thanks to a robust and efficient database, complex system deployments have never been easier. Simply plug in the CBOX to an MXNet SW model (or other 3rd party multicast-capable switch), and let the fun begin. Next, plug in the Encoders and Decoders - and after a few minutes, all the components are ready for full configuration.

The AC-MXNET-CBOX Control Box 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.

AVProedge

MXNET TWO SWITCH CONNECTION DIAGRAM

HDMI	
CAT 6A	
SFP+	

47 x AC-MXNET-1G-T

4K HDMI SOURCES

AC-MXNET-CBOX

AC-MXIP-CBOX
v1.21.01

LAN

MXnet MENTOR

AC-MXNET-SW48

AC-MXNET-SW48

40G Link Aggregation

48 x AC-MXNET-1G-R

4K DISPLAYS

PRODUCT SPECIFICATIONS

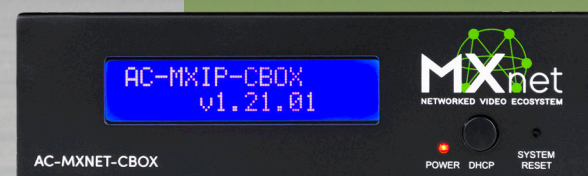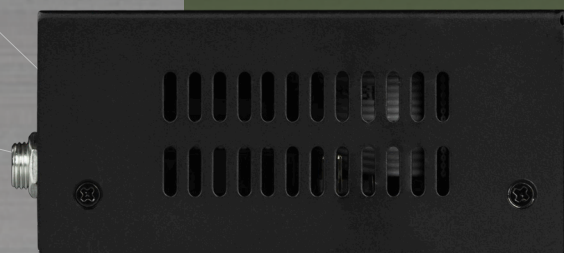| PORTS:	
Ethernet	(2) × female RJ-45, one with PoE
SFP	0
HDMI	N/A
Audio	N/A
IR	N/A
RS232	(1) × 5 Pin Terminal Block for MXNet System Control
USB	(1) × USB Micro Type-B for MXNet service
DISTANCE:	
Ethernet	100 Meters/ 330 Feet over CAT5e and above
SFP and Fiber	N/A
ENVIRONMENTAL:	
Operating Temprature	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	4.5W
PoE (Power over Ethernet)	IEEE 802.3af (15.4W)
Power Supply Unit	Input: AC 120-240V-50/60Hz 0.8A Output: DC 5V 2A
DIMENSIONS:	
Mounting	Rack and Furniture mount support
Dimensions (Unit Only Width/Depth/Height)	mm: 136 X 86x 40 inch: 5.35 X 3.39 X 1.57
Dimensions (Packaged Width/Depth/Height)	mm: 310 X 180x 54 inch: 12.2 X 7.09 X 2.13
Weight (Unit)	1.26 LBS/0.57 KG
Weight (Packaged)	1.74 LBS/0.79 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

- Web based – Apache Web Server
- POE powered (uses 1.3 Watts)
- Works with any multicast capable managed 3rd party switch
- MXNet MENTOR pre-installed
- Powerful module tracking database
- Capable of handling hundreds of end points