

AV over IP with Video Wall Processing



Main Features

- HDMI 1.3, HDCP 1.4 Compliant
- Video Resolutions up to 1920 x 1200@60Hz 4:4:4
- Video Compression H.264/H.265
- 4.95Gbps Video Bandwidth
- LPCM 2.0CH (32/44.1/48KHz)
- Up to 100m using a single CAT5e/6/6a cable
- Supports Matrix Switching when used with 1G Network
- Video Wall Processing
- Supports Audio Embedding & Extraction
- Control: RS232, TCP/IP, Web GUI, Panel Buttons
- Drag and Drop Matrix Switching
- Power over Ethernet (PoE)

Description

The SC08.MX200 is a video over IP solution for high definition signal extension over copper cables. This solution leverages 1G Ethernet switches and enables signal management of 1080p/60Hz (4:4:4) signals with virtually zero frame latency. Bi-Directional RS232, Infra-Red, and embedded audio are also supported.

The video wall mode allows a single video source to be stretched across multiple displays, each receiver crops and scales the region of interest according to its position in the wall matrix. The receivers are locked to the source and thus to each other with no frame rate conversion.

The SC08.MX200 is managed and controlled using RS232 and IP control codes over the network using an integrated web browser or from virtually any third party controller, including those from AMX, Crestron, Control4.

Specifications

Connections		
Transmitter	Input:	1 x HDMI Type A (19-Pin Female)
	Output:	1 x 1G LAN (RJ45 Data Socket)
		1 x L/R Stereo Audio (3-Pin Phoenix Terminal)
Control:	1 x RS232 (3-Pin Phoenix Terminal)	
Receiver	Input:	1 x 1G LAN (RJ45 Data Socket)
	Output:	1 x HDMI Type A (19-Pin Female)
		1 x L/R Stereo Audio (3-Pin Phoenix Terminal)
Control:	1 x RS232 (Phoenix Terminal)	
Technical		
HDMI	HDMI 1.3	
HDCP Compliance	HDCP 1.4	
HDMI iVideo Resolutions	Up to 1920 x 1200@60Hz 4:4:4	
Colour Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0	
Colour Depth	8-bit, 10-bit, 12-bit, [1080p/60Hz] Output 8-bit	
HDMI Audio Formats	PCM 2.0CH (32/44.1/48KHz)	
Power		
Power Supply	Input:	100~240V 50/60Hz
	Output:	DC 12V / 1A
Power Consumption	Encoder 2.88W, Decoder 2.88W (max)	
Environment		
Operating Temperature	0°C ~ 40°C	
Storage Temperature	-20°C ~ 60°C	
Relative Humidity	20~90% RH (non-condensing)	
Mechanical		
Housing	Metal Enclosure	
Colour	Black	
Dimensions	Encoder & Decoder = (W) 120 x (D) 95 x (H) 22mm	
Weight	Encoder = 74g and Decoder = 74g	