

## Configurable AV Matrix over IP with Video Wall



Supports 1080p/60Hz 4:4:4



Create any size Matrix



Supports 4 x 6 Video Walls

### Key Features

- Uses H.265 Encoding
- 1080p/60Hz, 4:4:4
- Point-to-Point, Point-to-Multipoint & Multipoint-to-Multipoint
- Video Wall Functions
- Uses 1G Ethernet
- Matrix Routes - IR, RS232, USB
- PoE (Power over Ethernet)
- Control: RS232, TCP/IP, Web Interface

### Description

The SC08.MX600 is an 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.MX600 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

Technical	
HDMI Standards	HDMI 1.4, HDCP 1.4
Bandwidth	10.2Gbps
Video Resolutions	1080p/120Hz and 1080p/3D 60Hz
Colour Space	RGB / YCbCr 4:4:4, YCbCr 4:2:2, YUV 4:2:0
Colour Depth	8-bit
HDMI Audio Formats	LPCM 7.1CH, Dolby True HD™, Dolby Digital Plus™ and DTS HD Master Audio™.
Analogue Audio	L/R Stereo Audio 20KHz, 0dB, 10K ohms
Infra-Red	Wide Bandwidth 30KHz to 56KHz (940nm)
End to End Latency	Less than 100ms
Transmission Distance	100m @ 1080p point-to-point or greater using 1G switches (LAN)

Transmitter Connections		
Inputs	HDMI	1 x HDMI Type A, 19-Pin
	Infra-Red	1 x 4-Pin Phoenix Terminal
	Stereo Audio	1 x 3-Pin Phoenix Terminal
	Ethernet	1 x RJ45 Data Socket
	RS232	1 x 3-Pin Phoenix Terminal
	USB	1 x USB Type B (Host)
	Power	1 x 2.1mm Jack Socket
Outputs	HDMI (Looped)	1 x HDMI Type A, 19-Pin
	Stereo Audio	1 x 3-Pin Jack Socket
	Infra-Red	1 x 2-Pin Phoenix Terminal
Receiver Connections		
Inputs	Ethernet	1 x RJ45 Data Socket
	Infra-Red	1 x 4-Pin Phoenix Terminal
	RS232	1 x 3-Pin Phoenix Terminal
	Power	1 x 2.1mm Jack Socket
Outputs	HDMI	1 x HDMI Type A, 19-Pin
	Infra-Red	1 x 2-Pin Phoenix Terminal
	Stereo Audio	1 x 3-Pin Phoenix Terminal
	USB	2 x USB Type A (Devices)

Power	Transmitter	Receiver
Type	AC to DC Mains Adaptor	AC to DC Mains Adaptor
Input	100 ~ 240V AC 50/60Hz	100 ~ 240V AC 50/60Hz
Output	DC 12V	DC 12V
Consumption	2.4 Watt	2 Watt

Environment	Transmitter	Receiver
Storage Temperature	-20° to 60°C	
Operating Temperature	0° to 40°C	
Operating Humidity	20% to 90% RH (No Condensation)	
Dimensions	(W) 200 x (D) 100 x (H) 20mm	(W) 200 x (D) 100 x (H) 20mm
Weight	470g	475g
ESD	Human Body: +/-8Kv (air gap discharge), +/-4Kv (contact discharge)	
Safety & Emissions	CE, FCC, RoHS	