Scion-Tech Ltd

SC08.MX9300
Distribution, Switching and Video Wall & Multiview

www.scion-tech.co.uk

AV over IP

Features

Resolutions up to 4K/60Hz	
HDMI 2.0b and HDCP 2.2	
H.264 / H.265 Encoding	
Seamless Switching	
Video Wall, and Multiview	
Audio Enbed & De-Embed	
USB KVM	
Control: RS232, TCP/IP, Web	
PoE (802.3at)	
1G LAN with IGMP	

AV Distribution The Easy Way:
Design and Create Any AV Project Over a 1G Network

Applications

- Sports Stadiums
- Healthcare
- Education
- Bars, Clubs & Restaurants
- Marine
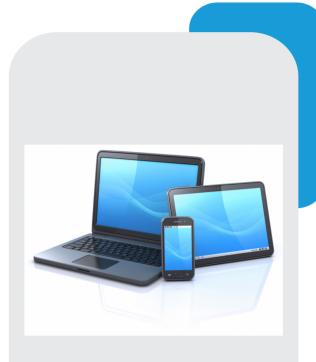- Retail - Digital Signage
- Commercial Offices

The MX9300 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 4K/60Hz (4:4:4) signals with virtually zero frame latency. Bi-Directional RS232, USB, embedded and de-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.

User Friendly Web Interface

Control

The devices are managed and controlled using front panel buttons, RS232, Web GUI and API control codes over the network with the integrated web browser or from virtually any third party controller, including those from AMX, Crestron, Control4.

Point-to-Point, Matrix Switching & Video Wall

Audio Integration
Embedding & De-Embedding

The MX9300 AV over IP is designed to provide seamless audio integration in modern AV systems. Whether you are working with analogue or digital audio sources, these devices have you covered. Audio can easily be embed and de-embed with minimal hassle. Say goodbye to complex wiring and connectivity issues – the MX9300 AV over IP streamlines the audio integration process, allowing for a smooth and efficient workflow.

4K/60Hz 4:4:4

MX9300 AV over IP is a revolutionary technology that offers unparalleled audiovisual quality, flexibility, and reliability. By harnessing the power of H.264/H.265 encoding, MX9300 delivers immersive 4K video that will take your viewing experience to new heights. Whether you're a home theater enthusiast or a professional AV integrator, MX9300 AV over IP is the perfect solution for all your audiovisual needs.

H.264/H.265 Encoding

Video Wall

Advianced image processing, splicing and frame sychronization ensures zero frame loss or lag.

Embed & De-Embed

This innovative device supports both analogue and digital audio embedding and de-embedding.

Banner & Logo

Supports scrolling subtitles, input/output character overlay with editable text size and position.

Performance Matters

Technical Specification

Connectivity

HDMI 2.0b Input	1 x HDMI Type-A, 19-Pin Female
HDMI 2.0b Looped Output	1 x HDMI Type-A, 19-Pin Female
Analogue Audio In/Out	1 x 6-Pin Phoenix Terminal
RS232	1 x 3--Pin Phoenix Terminal
USB Host	1 x USB Type-B, 4-Pin Female
USB Device	1 x USB Type-A, 4-Pin Female
1G LAN	1 x RJ45 Data Socket
Fibre	1 x SFP+ Slot (module not included)
Power	1 x DC Jack Socket

Signals

Input	HDMI
Standards	HDMI 2.0b, HDCP 2.2/1.4
Bandwidth	18Gbps
Video Resolutions	Up to 4K/60Hz
Colour Space	RGB/YCbCr 4:4:4, YCbCr 4:2:2, YUV 4:2:0
Colour Depth	8/10/12-bit
HDMI Audio	LPCM 2.0CH, 16bit, 48k
RS232	Full Duplex
1G LAN	1000 BASE-T, (PoE) IEEE 802.3ab, 15.40W

Power

Type	AC - DC Power Adaptor (when not using PoE)
Input	100 ~ 240V AC 50/60Hz
Output	12V / 2.5Amp
Consumption	Encoder: 10.22W, Decoder: 7.04W (max)

Environment

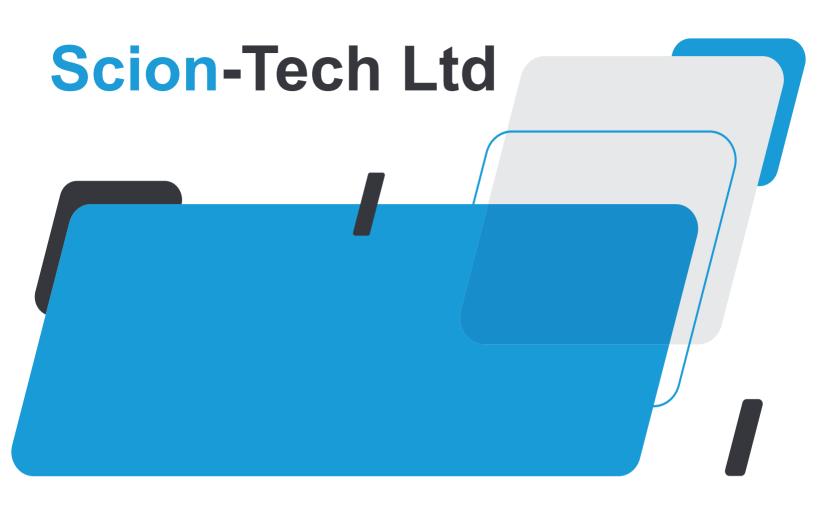|	
Storage Temperature	-20° to 60°C
Operating Temperature	-0° to 40°C
Operating Humidity	20% to 90% RH (no condensation)
Dimensions	(W) 204 x (D) 132 x (H) 30mm
Weight	760g
ESD	Human body +/-8Kv, (air gap discharge) and +/-4Kv (contact discharge)
Safety & Emissions	US/EU Certified, CE, FCC, UL, RoHS

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