



**Scion-Tech Ltd**  
*Digital Video Distribution*

# Network Video

## SC08.MX3000

[www.scion-tech.co.uk](http://www.scion-tech.co.uk)



**SDVoE<sup>®</sup>**  
ALLIANCE

## Features

- Resolutions up to 4K/60Hz
- Uncompressed zero latency
- HDMI 2.0b, HDCP 2.2
- Video Wall and Multi-View
- Transceiver, ENC/DEC
- Supports IR, RS232, USB
- Uses 10G Ethernet with PoE
- Provides Video Preview
- Selectable O/P Resolutions
- Control: RS232, TCP/IP, API

# SC08.MX3000 Transceiver

## 4K60 4:4:4

### The MX3000 AV over IP Transceiver: The Ultimate Solution for High-Quality Video Distribution

With the rapid advancement of technology, the demand for high-resolution video has grown exponentially. The MX3000 AV over IP Transceiver is designed to meet this demand by supporting 4K/60Hz resolution. This means that users can experience stunning visuals and vibrant colours with exceptional clarity. Whether you are displaying presentations, videos, or graphics, the SC08.MX3000 ensures that every detail is accurately reproduced, enhancing the overall viewing experience.



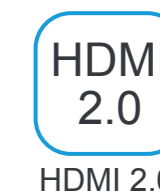
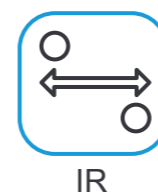
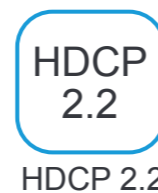
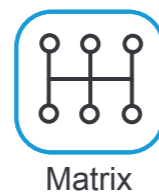
## All in One Device

### Encoder & Decoder

The MX3000 Transceiver is a versatile device that offers users the option to operate as either an encoder or decoder. It utilises advanced technology and follows industry-leading standards, making it a go-to choice for professionals seeking a reliable and efficient solution.



## The Ultimate Encoder and Decoder



# Multi-Functional Single Device

One device that combines the benefits of the Matrix, Video Wall, and Multi-View capabilities is truly a game-changer. By merging these functionalities into a single device, this solution provides unparalleled convenience and efficiency, truly streamlining operations and elevating the user experience.

**Matrix**

**Multi-View**

**Video Wall**

## HDMI 2.0

Investing in uncompressed 4K video technology ensures future-proofing your content. With the constant advancements in display technology, it's only a matter of time before 4K becomes the standard resolution. By capturing and storing content in its highest quality form, you can rest assured that your visuals will remain relevant and compatible in the years to come.



**4K60 4:4:4 8bit and HDR formats including HDR10, Dolby Vision and HLG**

## Create Video Walls



# Technical Specifications

## Connections

<b>HDMI Input:</b>	1 x HDMI Type-A Female
<b>HDMI Output:</b>	1 x HDMI Type-A Female
<b>Audio In:</b>	1 x 3.5mm Stereo Jack Socket
<b>Audio Out:</b>	1 x 3.5mm Stereo Jack Socket
<b>Infra-Red In:</b>	1 x 3.5mm Stereo Jack Socket
<b>Infra-Red Out:</b>	1 x 3.5mm Stereo Jack Socket
<b>RS232:</b>	1 x 4-Pin Phoenix Terminal
<b>USB 2.0 Host:</b>	1 x Type B, 4-Pin Female
<b>USB 2.0 Devices:</b>	2 x Type A, 4-Pin Female
<b>1G LAN:</b>	1 x RJ45 Data Socket
<b>10G BASE-T:</b>	1 x RJ45 Data Socket (PoE)
<b>10G BASE-T Fibre:</b>	1 x Fibre Slot
<b>DC Power:</b>	DC Power: 2.1mm Jack

## Signals

<b>Signal Input:</b>	HDMI
<b>Standards:</b>	HDMI 2.0b, HDCP 2.2
<b>Bandwidth:</b>	18Gbps
<b>Video Resolutions:</b>	Up to 4K/60Hz
<b>Colour Space:</b>	RGB/YCbCr 4:4:4, YCbCr 4:2:2, YUV 4:2:0, HDR, HDR10, Dolby VisionTM
<b>Colour Depth:</b>	8/10/12-bit
<b>HDMI Audio:</b>	LPCM 7.1, Dolby Atmos, Dolby True HD, Dolby Digital Plus, DTS: XTM, DTS- HD Master Audio pass through PCM 2CH Stereo
<b>Analogue Audio:</b>	Wide Bandwidth, Frequency 30KHz to 56KHz (940nm)
<b>Infra-Red:</b>	End to End connection
<b>1G Ethernet:</b>	HDMI Streaming
<b>10G Ethernet:</b>	5m @ 4K/60   10m @ 4K/30   15m @ 1080p/60
<b>HDMI Cable Lengths:</b>	

## Power

<b>Input:</b>	100 - 240V AC 50/60Hz
<b>Output:</b>	12V/2.5A
<b>Consumption:</b>	13.5W (max)
<b>PoE:</b>	802.3at PoE+ Compliant

## Environment

<b>Operating Temperature:</b>	-0° to 40°C
<b>Storage Temperature:</b>	-20° to 60°C
<b>Operating Humidity:</b>	20 to 90% RH (no condensation)
<b>Dimensions:</b>	(W) 230 x (D) 120 x (H) 25mm
<b>Weight:</b>	693g
<b>Colour:</b>	Black
<b>ESD:</b>	Human Body = +/-8kV (air gap discharge), +/-4kV (contact discharge)
<b>Safety &amp; Emissions:</b>	CE, FCC, RoHS

## Products Codes

<b>SC08.MX3000</b>	SDVoE Transceiver
<b>SC08.CTL100D</b>	LAN Controller





**Scion-Tech Ltd**  
*Digital Video Distribution*

**10 Thatcham Business Village**

**Colthrop Way, Thatcham**

**Berkshire. RG19 4LW**

**Tel: +44 (0) 1635 862484**

**Email: [support@scion-tech.co.uk](mailto:support@scion-tech.co.uk)**