Scion-Tech Ltd
Digital Video Distribution

Network Video
SC08.MX3000

www.scion-tech.co.uk

SDVoE 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

4K 4K/60
HDR HDR
00:00 Zero Latency
Matrix
SDVoE SDVoE
HDCP 2.2 HDCP 2.2

IR
PoE PoE
1G LAN 1G LAN
USB
RS232
HDMI 2.0 HDMI 2.0

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

There are many variations of passages of Lorem Ipsum available, but the major-ity have suffered alteration

Multi-View

There are many variations of passages of Lorem Ipsum available, but the major-ity have suffered alteration

Video Wall

There are many variations of passages of Lorem Ipsum available, but the major-ity have suffered alteration

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

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

Signals

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

Power

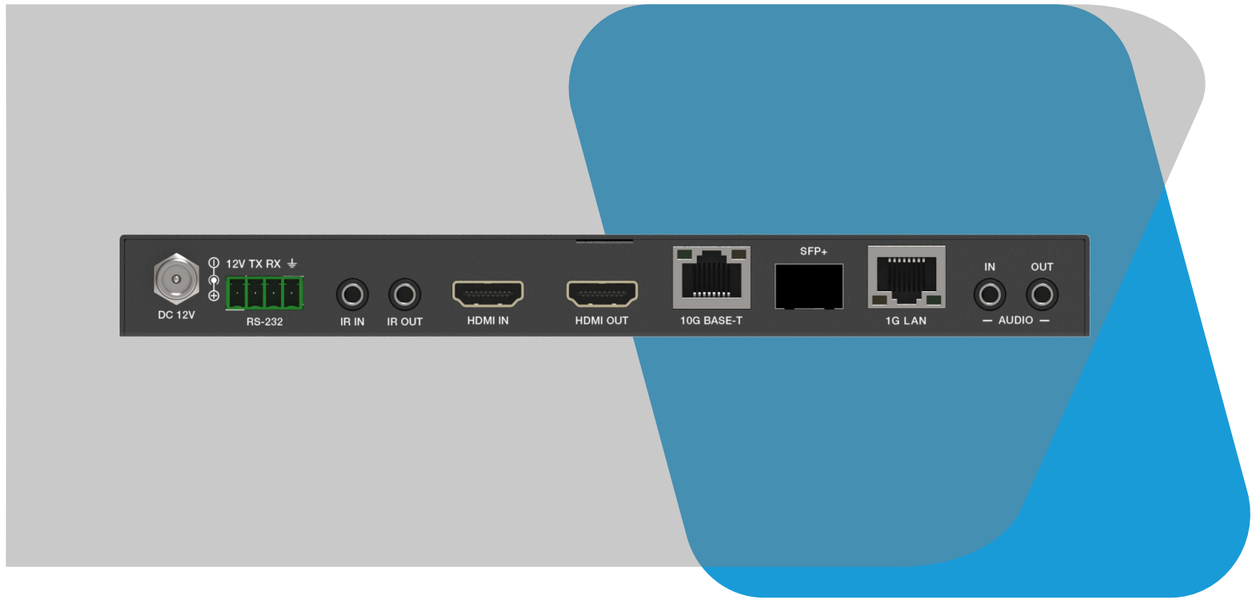
Input:	100 - 240V AC 50/60Hz
Output:	12V/2.5A
Consumption:	13.5W (max)
PoE:	802.3at PoE+ Compliant

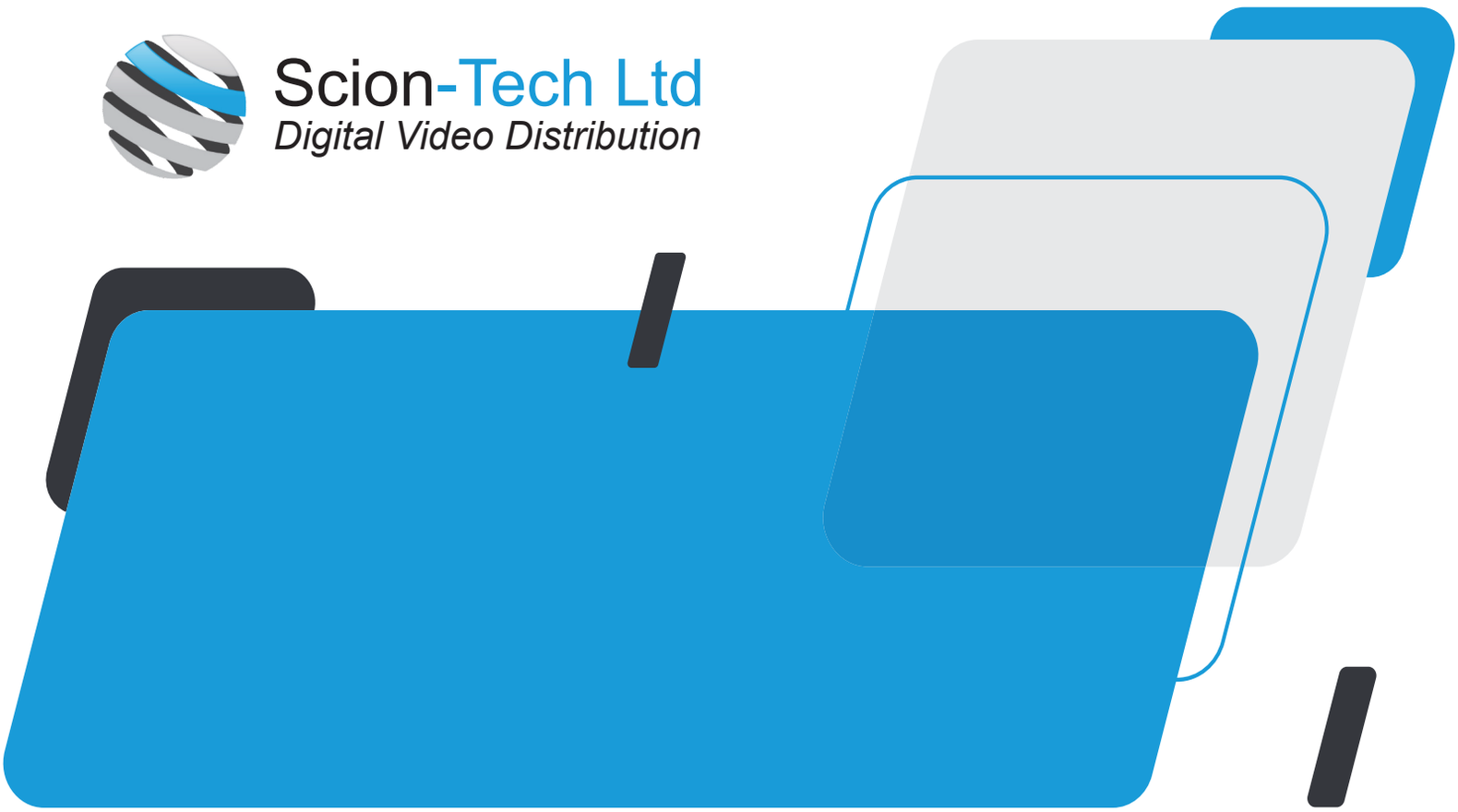
Environment

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

Products Codes

SC08.MX3000	SDVoE Transceiver
SC08.CTL100D	LAN Controller





10 Thatcham Business Village
Colthrop Way, Thatcham
Berkshire. RG19 4LW
Tel: +44 (0) 1635 862484
Email: support@scion-tech.co.uk