

# Video over IP with Preview 4K/60Hz 4:4:4 Streaming Transceiver SDVoE



## Key Features

- BlueRiver™ Technology
- Configure as Encoder or Decoder
- 4K/60Hz, 4:4:4, HDMI 2.0, HDCP 2.2
- Selectable output resolutions
- 18Gbps, HDR10 and Dolby Vision
- Streams uncompressed, zero latency

## Key Features

- Video Wall 9 x 9 and Multi-Viewer up to 25
- Uses 10G Ethernet
- Routes HDMI, IR, RS232, USB
- Analogue Audio Pass-Through
- PoE (Power over Ethernet)
- Control: RS232, TCP/IP, Web Interface

## Description

The SC08.MX3000 is a network AV Transceiver with HDMI input and output supporting up to 4K@60Hz 4:4:4, HDR. It is designed for HDMI transmission over IP networks with external audio and control signals using 10G switches, web browser or API's to control a variety of functions.

The transceiver provides one of the most advanced IP Streaming solutions on the market utilizing BlueRiver™ technology, bringing various IP/AV standards to work together as one. It combines a variety of 4K IP technologies and features one unified protocol using a simplified topology.

The SC08.MX3000 features uncompressed video with zero-latency from source to display, seamless switching, Video wall, Multi-view, 1G Ethernet, IR, RS232, audio embedding/de-embedding, audio down-mixing, etc. It can be controlled by the IPA Manager software.

Compares with traditional HDBaseT matrix AV Switching, SC08.MX3000 features low cost, easy installation, more interoperability and flexibility. It is ideal for distributing AV over 10 Gigabit Ethernet in enterprises and other large-scale installations.

## 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:** 4-Pin Phoenix Terminal  
**USB 2.0 Host:** Type B, 4-Pin Female  
**USB 2.0 Devices:** Type A, 4-Pin Female  
**1G LAN:** RJ45 Data Socket  
**10G BASE-T:** RJ45 Data Socket (PoE)  
**10G SFP+:** Fibre Slot  
**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 Vision™  
**Colour Depth:** 8/10/12-bit  
**HDMI Audio:** LPCM 7.1, Dolby Atmos™, Dolby True HD™, Dolby Digital™ Plus, DTS: X™, DTS-  
HD™ Master Audio™ pass through  
**Analogue Audio:** PCM 2CH Stereo  
**Infra-Red:** Wide Bandwidth, Frequency 30KHz to 56KHz (940nm)  
**1G Ethernet:** End to End connection  
**10G Ethernet:** HDMI Streaming  
**HDMI Cable Lengths:** 5m @ 4K/60 | 10m @ 4K/30 | 15m @ 1080p/60

### Power (If not using PoE)

**Input:** 100 ~ 240V AC 50/60Hz  
**Output:** 12V/2.5A  
**Consumption:** 13.5W (max)

### 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) 25  
**Weight:** 693g  
**Colour:** Black  
**ESD:** Human Body - +/-8kV, (air gap discharge) & +/-4kV (contact discharge)  
**Safety and Emissions:** CE, FCC, RoHS