

18Gbps 8 x 8 HDMI Matrix Switch with ARC and Downscaler



Key Features

- 8 x HDMI inputs to 8 HDMI outputs
- Supports 18Gbps
- 4K/60Hz, YCbCr 4:4:4
- HDMI 2.0, HDCP 2.2
- Supports HDR, HDR10+, HLD, Dolby Vision
- Down scale from 4K ↔ 1080P
- PCM2.0/5.1/7.1CH
- ARC and Audio De-Embedding
- Advanced EDID management
- Control: Front panel, IR control, RS232 and TCP/IP with Web GUI

Description

The SC04.MX88 matrix switches 8 x HDMI inputs to 8 x HDMI outputs in a true matrix environment, any input to any output simultaneously and supports 18Gbps bandwidth with resolutions up to 4K/60Hz 4:4:4, HDR10+ and Dolby Vision™. Each output has the facility to down scale the video resolution from 4K to 1080P.

The matrix supports LPCM 7.1, Dolby True HD™, DTS-HD Master Audio and extracts digital and analogue audio from the HDMI outputs. Additionally the ARC (audio return channel) ensures synced audio with the display on the digital audio output.

It's advanced EDID features provide auto detection, copy and built in standard settings ensuring compatibility with all source and sink devices.

The matrix is controlled with switches located on the front panel, IR remote control, RS232 and TCP/IP web GUI.

Specifications

Connectivity

HDMI Input: 8 x HDMI Type A, 19-Pin Female

HDMI Output: 8 x HDMI Type A, 19-Pin Female

Digital Audio Output: 8 x Coaxial RCA Phono Socket

Analogue Audio Output: 8 x 3.5mm Stereo Jack Socket

RS232: 1 x 9-Way "D" Sub Socket

TCP/IP: 1 x RJ45 Data Socket

IR External: 1 x 3.5mm Jack Socket

Power: 1 x DC Jack

Signal

Signal Input/Output: HDMI

Standards: HDMI 2.0, HDCP 1.4/2.2

Bandwidth: 18Gbps

Video Resolutions: 4K/60Hz, 4:4:4

Colour Space: RGB/YCbCr 4:4:4, YCbCr 4:2:2, YUV 4:2:0, HDR, HDR 10+, DLD, Dolby Vision

Colour Depth: 8/10/12-bit

Output Scaling: 4K ↔ 1080P

HDMI Audio: PCM2.0/5.1/7.1CH, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS HD Master Audio, DSD

Coaxial Audio: PCM2.0, Dolby Digital / Plus, DTS 2.0/5.1

Analogue Audio: PCM 2.0CH

Infra-Red: Wide Bandwidth, Frequency 30KHz to 56KHz (940nm)

Power

Type: AC to DC Mains Adaptor

Input: 100~240V AC 50/60Hz

Output: Transmitter 12V/5A

Consumption: 43 Watts (max)

Environment

Operating Temperature: -0° to 40°C

Storage Temperature: -20° to 60°C

Operating Humidity: 20 to 90% RH (no condensation)

Dimensions: (W) 440 x (D) 200 x (H) 44

Weight: 2.8 kg

Colour: Black

ESD: Human Body - +/-8kV, (air gap discharge) & +/-4kV (contact discharge)

Safety and Emissions: CE, FCC, RoHS

Resolution and Cable Lengths (IN/OUT)

15m @ 1080p/60Hz

10m @ 4K/30Hz

5m @ 4K/60Hz

Note: Premium High Speed HDMI cables are required to achieve these results.