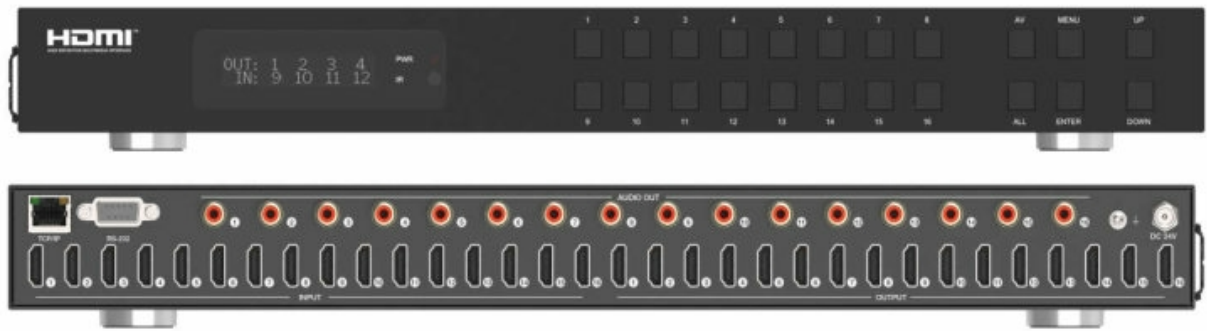


# 18Gbps 16 x 16 HDMI Matrix Switch with ARC and Downscaler



## Key Features

- 16 x HDMI inputs to 16 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.MX16 matrix switches 16 x HDMI inputs to 16 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 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:** 16 x HDMI Type A, 19-Pin Female  
**HDMI Output:** 16 x HDMI Type A, 19-Pin Female  
**Digital Audio Output:** 16 x Coaxial RCA Phono Socket  
**RS232:** 1 x 9-Way "D" Sub Socket  
**TCP/IP:** 1 x RJ45 Data 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 24V/3.75A  
**Consumption:** 77 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:** 3.1 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.