CR-HD0808

HDMI switcher

CR-HD0808

Product overview

The 18Gbps 8x8 HDMI Matrix supports the transmission of video (up to 4K2K@60Hz YUV 4:4:4) and multi-channel high resolution digital audio from 8 HDMI sources to 8 HDMI displays. Audio de-embedded to analog and coaxial audio is supported from 8 HDMI output ports. While HDMI output ARC function is enabled, the ARC audio from HDMI display devices will be extracted to coaxial audio output. Each HDMI output of this 8x8 HDMI Matrix supports 4K2K to 1080P downscaler independently.

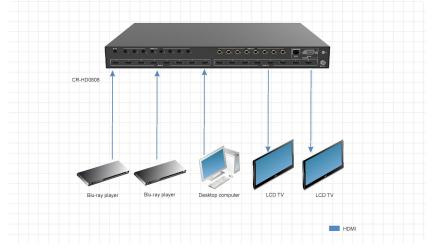The control is via front panel buttons, IR remote, RS-232, LAN and Web GUI.

Features

- Compatible with HDMI 1.3b standard.
- HDMI 2.0b, HDCP 2.2 and HDCP 1.4 compliant;
- Video resolution up to 4K2K@60Hz (YUV 4:4:4) on all HDMI ports;
- Support 18Gbps video bandwidth;
- Dolby Vision, HDR10+ and HLG are supported;
- Support 4K->1080P Down Scaler for each output port;
- HDMI audio pass-through up to 7.1CH HD audio (LPCM, Dolby TrueHD and DTS-HD Master Audio);
- Audio de-embedded is supported via analog and coax ports;
- ARC, CEC and smart EDID management are supported;
- 1U rack mounted design with front panel OLED display;
- Control via front panel buttons, IR remote, RS-232, LAN and Web GUI.

Specifications

The parameter name	CR-HD0808
HDMI version	HDMI2.0b
HDCP version	HDCP 2.2
Video bandwidth	18Gbps
Video resolution	Up to 4K2K@50/60Hz (4:4:4)
Video color space	RGB, YCbCr4:4:4,YCbCr4:2:2, YCbCr 4:2:0
HDMI audio format (Pass-through)	LPCM 2/5.1/7.1, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
ESD Protection	Human-body Model: ±8kV (Air-gap discharge), ±4kV (Contact discharge)
Input interface	8×HDMI Type A [19-pin female]; 1×IR EXT [3.5mm Stereo Mini-jack]
Output interface	8×HDMI Type A [19-pin female]; 8×Coax Audio (RCA); 8×L/R Audio [3.5mm Stereo Mini-jack]
The recommended maximum output distance	Transmission 4K/60Hz , the cable is less than 5m; transmission 4K/30Hz, the cable is less than 10m; transmission 1080P/60Hz, the cable is less than 15m;
Cover	Black metal
Size	440mm (W)×200mm (D)×44.5mm (H)
Weight	2.8kg
Power supply	Input: AC 100 - 240V 50/60Hz; Output: DC 12V/5A (US/EU standard, CE/FCC/ULcertified)
Power consumption	43W
Working temperature and humidity	-10℃ ~ 45℃ / 14°F ~ 113°F；20~90% RH (non-condensing)
Storage temperature and humidity	ˉ20℃ ~ 60℃ / -4°F ~ 140°F；20~90% RH (non-condensing)

System connection diagram

CR-HD0808

Blu-ray player   Blu-ray player   Desktop computer   LCD TV   LCD TV

HDMI