



OR-42CD-4K22

4 x 2 HDMI Full 4K Matrix with Audio De-Embedding



The OR-42CD-4K22 provides the ability to connect up to four 4K HDR HDMI sources to up to two 4K HDR HDMI displays and freely switch between them. This matrix fully support for 4K@60Hz (4:4:4, 8-bit) signals as well as support for 16-bit Deep Colour, HDR (High Dynamic Range), 3D content, HD audio and other features defined by the HDMI 2.0 specification.

A high-quality local analog stereo audio breakout from a selected HDMI output is also available. Each input's EDID can be independently set to use either an internal (1080p@60Hz) or external (sink-copied) EDID. This unit also provides per-output auto source switching as well as connected display power control using CEC or RS-232 commands. Control of the unit is provided via front panel buttons, RS-232, and IR remote.

PANELS

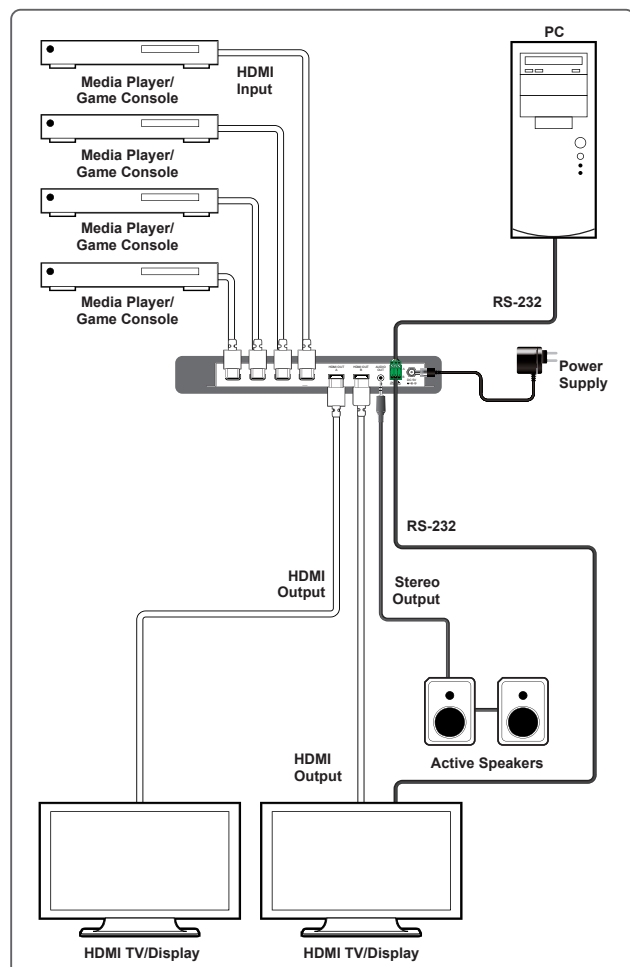


Front View



Rear View

DIAGRAM



FEATURES

- HDMI 2.0 and DVI 1.0 compatible
- HDCP 2.2 and HDCP 1.x compliant
- 4 HDMI inputs and 2 HDMI outputs
- Matrix switching with sequential input selection via front panel controls or discrete input selection via IR remote and RS-232
- Supports up to 4K UHD+ (18Gbps, 4K@50/60Hz 4:4:4, 8-bit & HDR) video input and output
- Supports 10-bit and 12-bit HDR (High Dynamic Range) input and output
- Supports pass-through of many audio formats including 8 channel LPCM, Bitstream, and HD Bitstream
- High-quality DAC provides local analogue stereo audio breakout from the selected HDMI output (LPCM 2.0 sources only)
- Independent input based EDID management with internal or external EDID options
- Basic display power automation via RS-232 and CEC
- Controllable via front-panel buttons, RS-232, and IR remote

SPECIFICATIONS

Interfaces

Input Port	4 x HDMI
Output Port	2 x HDMI 1 x Stereo (3.5mm)
Service Port	1 x USB 2.0 (mini B)

Video

HDMI Compliance	HDMI 2.0 (DVI 1.0)
HDCP Compliance	2.x
Input Signal Types	4096 x 2160p@60 8-bit YUV 4:4:4, HDR 10
Output Signal Types	4096 x 2160p@60 8-bit YUV 4:4:4, HDR 10

Resolutions

Maximum Input	HDMI	4096x2160p@60
Maximum Output	HDMI	4096x2160p@60

Audio

Input Signal Types	HDMI
Output Signal Types	HDMI, Unbalanced Stereo
Digital Formats	HDMI 7.1 CH LPCM, Bitstream, HD Bitstream

Power

Power Supply	5V/2.6A
Power Consumption	8.62W

Enclosure

Chassis Material	Metal (Steel)
Chassis Colour	Black
Dimensions (W×H×D)	231.5mm×25mm×108mm [Case Only] 231.5mm×25mm×117mm [All Inclusive]
Weight	620g

Field Firmware Update

Micro-USB to PC

ORDERING INFORMATION

Model No.	Product Description
OR-42CD-4K22	4 x 2 HDMI Full 4K Matrix with Audio De-Embedding