



OR-32USBC-4K22

3 x 2 Full 4K USBC and HDMI matrix with USB Ethernet Hub



The OR-32USBC-4K22 matrix switch is designed for use in environments needing a wide range of flexibility when it comes to inputs, outputs, and control. The two most common video input interfaces (HDMI, USB-C) are included along with a pair of HDMI outputs, providing the ultimate in source compatibility and flexibility. This unit is HDCP 2.2 compliant and supports resolutions up to a maximum of 4K@60Hz (4:4:4, 8-bit) and HDMI output A supports 4K downscaling to 1080p. The included USB-C input runs on the USB3.0 specs and supports AV, device charging as well as network connection. This matrix also includes a USB 3.0 hub with two host ports (Type-B and Type-C), plus two device ports (Type-A) for a flexible KVM configuration. It is ideal for use in meeting rooms, classrooms, and audio integration with USB expansion. This unit is controllable via front panel controls, Web GUI, Telnet and RS-232.

PANELS

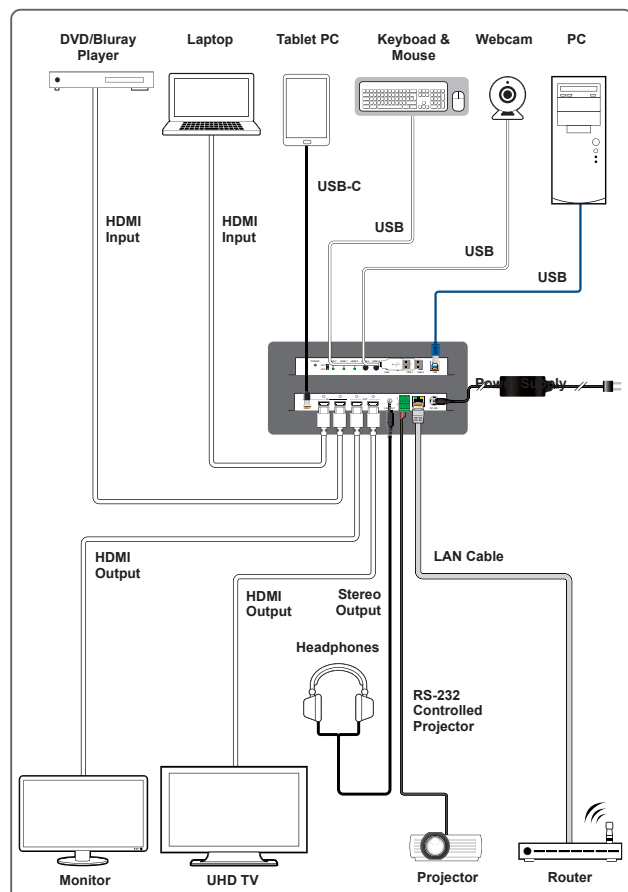


Front View



Rear View

DIAGRAM



FEATURES

- 2 x HDMI and 1 USB-C 4K60Hz 4:4:4 inputs
- 2 x Matrixed HDMI output with output A supporting 4K downscaling to 1080p
- USB-C port supports USB 3.0 speed, device powering 20V/3A and one gigabit Ethernet at best
- Supports pass-through of 8 channel LPCM, bitstream & HD bitstream audio formats
- Supports 4K HDR formats by HDR10, HLG and Dolby Vision
- Support USB 3.0 with one USB type B and one USB type C interface for connection to a host PC, plus two USB type A ports for peripheral devices such as keyboard, mouse and storage extension
- Supports auto-switch functionality with a "last memory" feature for both input ports and USB ports
- Supports basic signal event automation (via RS-232, IP or CEC)

SPECIFICATIONS

Interfaces

Input Port	2x HDMI [2x HDMI Uncompressed AV and Data] 1x USB-C [1x USB-C / Thunderbolt]
Output Port	2x HDMI [2x HDMI Uncompressed AV and Data] 1x 3.5mm Stereo mini-jack [1x Analogue Stereo(L/R)]
Control I/O	1x Phoenix (4 pin) [1x RS-232 local control] 1x RJ45 [1x LAN Serving]
Pass-through Port	2x USB Type A [2x USB Propriety Data] 1x USB 3 Type B [1x Power & Data]

Video

HDMI Compliance	HDMI 2.0
HDCP Compliance	2.x
Input Signal Type	4096 x 2160p@60 8bit YUV 4:4:4
Output Signal Type	4096 x 2160p@60 8bit YUV 4:4:4

Resolutions

Maximum Input	HDMI USB-C	4096x2160p@60 4096x2160p@60
Maximum Output	HDMI	4096x2160p@60

Audio

HDMI	LPCM 2.0 / 5.1 / 7.1 High-Definition Bitstream
Line Out	LPCM 8 channel Bitstream High-Definition Bitstream

Power

Power Supply	DC 24V 5A
Power Consumption	67.68W

Enclosure

Chassis Material	Metal (Steel)
Chassis Colour	Black
Dimensions (W×H×D)	213.5mm×25mm×108mm [Case Only] 213.5mm×25mm×112.5mm [All Inclusive]
Weight	690g

Field Firmware Update

USB Flash Drive, WebGUI

ORDERING INFORMATION

Model No.	Product Description
OR-32USBC-4K22	UHD+ 3x2 Matrix Switcher with USB Ethernet Hub



AVX-105F-KIT

AVX Full 4K USB-C to HDMI AV over Fiber Transmitter/Receiver KIT

DIAGRAM

