



OR-M42HC-USB

4x2 HDMI/USB-C Matrix Multiviewer with USB Strolling



The OR-M42HC-USB 4K@60 4 by 2 Matrix is a high performance HDMI/USB-C matrix switcher with integrated scaling, multi-window mode, and USB with mouse control interface.

With the seamless switch matrix feature, no loss of picture is experienced in matrix mode switching making it is an ideal solution for monitoring or displaying multiple sources simultaneously for control rooms, conference rooms or classrooms. Any of 4 different sources including HDMI + USB data and USB-C (AV and data) may be displayed individually, full screen, or multi-window mode including quad mode, PiP, and PoP with the output being sent to 2 HDMI outputs. Management of input/window routing, position and sizing can be controlled easily by use the with a USB mouse. Video resolution is up to 4K@60Hz and LPCM audio 2 channel at 48kHz are supported on both input and output ports. This unit is fully compatible with the HDCP 1.x and 2.2 standards.

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PANELS



FEATURES

- 2 HDMI inputs, 2 USB (Type-C) inputs and 2 HDMI outputs up to 4K@60 4:4:4
- Controllable via front panel buttons, Telnet, RS-232, and OSD via USB mouse and keyboard
- 2 USB Type-C Inputs support USB3.1 Gen1 to Ethernet and DP video
- Two USB Type-C ports respectively provide 45W and 30W of power to each connected device
- Supports PiP (Picture-in-Picture), PoP, quad mode display options with independent audio source selection or auto audio switch by following USB control function
- Seamless switching (no loss of sync to display) when switching sources in both matrix and multi-view modes
- Supports easy adjustment of window size, position and settings in the window mode via USB mouse
- Supports the ability to store a multi-window arrangement as a preset that can be recalled later
- Selected window will have a border to highlight the window that is being operated
- DVI 1.0 compatible with the use of an HDMI-DVI adaptor
- HDCP 1.x and 2.2 compliant

SPECIFICATIONS

Interfaces

Input Port	2 HDMI(Type-A) 2 USB(Type-C)
Output Port	2 HDMI(Type-A) 2 Stereo Audio (3.5mm)
Control I/O	1 RS-232 (3-pin Terminal Block)
Pass-through Port	2 USB(Type-B) 2 USB (Type-A) 2 USB(Type-A) 1 LAN (RJ-45)
Service Port	1 USB (Type-A) *Combined with USB of Keyboard

USB

Input Port	Type-C
Type	Type-C
Generation	USB3.2 Gen1
Transfer Rate	5Gbps
Pass-through Port	
Type	Type-A
Generation	2 USB3.2 Gen1 2 USB2.0
Transfer Rate	5Gbps (USB3.2 Gen1) 480Mbps (USB2.0)
Type	Type-B
Generation	2 USB3.2 Gen1
Transfer Rate	5Gbps

Video

HDMI Compliance	2.0 (DVI 1.0)
HDCP Compliance	2.2
Input Signal Types	4K@60 8bit YUV/RGB 4:4:4
Output Signal Types	4K@60 8bit YUV/RGB 4:4:4

Resolutions

Maximum Input	HDMI	4096×2160p@60 2560×1600p@60RB
Maximum Output	HDMI	4096×2160p@60

Audio

HDMI	LPCM (2 channel, 48kHz) Dolby Digital pass-through DTS 5.1 channel pass-through
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Power

Power Supply	24V/7.5A
Power Consumption	140W

Enclosure

Chassis Material	Metal (Steel)
Chassis Color	Black
Dimensions (W×H×D)	213.5mm×44mm×158mm [Case Only] 231.5mm×49mm×163mm [All Inclusive]
Weight	1270g

Field Firmware Update

USB Flash Drive

ORDERING INFORMATION

Model No.	Product Description
OR-M42HC-USB	4x2 HDMI/USB-C Matrix Multiviewer with USB Strolling



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DIAGRAM

