

DVDO

DVDO-USBC-HDMI-PS-42

4x2 Presentation Switcher with USB-C & HDMI Inputs



DVDO-USBC-HDMI-PS-42 is a 4x2 presentation switcher with 2 HDMI inputs, 2 USB-C inputs and 2 HDMI outputs with a separate audio output.

The HDMI inputs support incoming video signals with resolutions up to 4K60 4:4:4 at 18Gbps. The USB-C inputs support resolutions up to 4K30 and can each drive both HDMI outputs through the DP 1.2 MST function.

The first USB-C input provides 65W charging and the second USB-C input provides 10W charging for mobile devices.

The unit includes 4 USB 3.2 type-A ports on the back panel for peripherals as well as 2 USB 3.2 type-B ports on the front panel for host devices.

It can be controlled over IP, RS-232, CEC or via the front panel buttons.

Features

- Two HDMI inputs support resolutions up to 4K@60 4:4:4 18Gbps
- HDMI 2.0 & HDCP2.2 compliant
- HDMI audio pass-through + separate audio output with de-embedding
- Two USB-C inputs support resolutions up to 4K30 4:2:0 with 65W charging (first port)
- USB-C inputs support DP 1.2 MST (Multi-Stream Transport) function
- Dual HDMI output with conference, matrix, mirror & manual modes as well as 4K to 1080p downscaling
- Four USB 3.2 Gen 1 ports (5Gbps) for peripherals such as KVM, cameras, speakerphones, touch monitors, etc...
- Two additional USB 3.2 ports for host switching
- CEC control & EDID management
- Controllable via front panel, RS232, TCP/IP (GUI) and Auto-switching
- Firmware upgraded by TCP/IP (GUI)

Applications

- Conference Rooms
- Boardrooms
- Lecture Halls
- Training Rooms
- Education
- Classrooms

Application Diagram



Technical Specifications

Video	
Compliance	HDMI 2.0 / HDCP 2.2
Video Inputs	2 x HDMI Type A [19-pin female] 2 x USB-C Type-C USB 3.2
Video Input Resolutions	HDMI: up to 4K@60Hz 4:4:4 8bit USB-C: up to 4K@30Hz, DP 1.2 MST function
Video Outputs	2 x HDMI Type A [19-pin female]
Video Output Resolutions	HDMI: up to 4K@60Hz 4:4:4, supports 4K to 1080p downscaling
Audio	
Audio Formats for Pass-through	LPCM 7.1, Dolby TrueHD, Dolby Digital Plus, DTS-HD Master Audio
Audio Formats for De-embedding	PCM 2.0 on 5-pin terminal block
Control	
USB	2 x USB Type C with charging function (one for 65W, one for 10W) 2 x USB Type B for host devices 4 x USB Type A for peripherals
RS-232	1 x 3-pin terminal block
Ethernet	1 x 100Base-T on RJ45 port
General	
Operating Temperature	-5°C ~ +55°C
Storage Temperature	-25°C ~ +70°C
Relative Humidity	10%-90%
Power Supply	Input: AC 100~240V, 50/60Hz; Output: 20V DC 5.0A, 100W
Power Consumption	85W (Max)
Dimensions	260 (W) x 25 (H) x 155 (D) mm
Weight	0.95kg (Net) / 1.75kg (Gross)