

DVDO

DVDO-USBC-HDMI-PS-21

2x1 Presentation Switcher

With USB-C & HDMI Inputs



DVDO-USBC-HDMI-PS-21 is a 2x1 presentation switcher with 1 HDMI & 1 USB-C inputs and 1 HDMI output with a separate analog audio output.

It supports video resolutions up to 4K60 at 18Gbps as well as HDR.

The USB-C input can provide up to 100W charging when the USB-C charge port next to it is powered by an external power adapter.

The unit includes 4 USB 3.0 Device ports for peripherals such as camera, hard disk, keyboard and mouse that can connect to both inputs / host devices.

It features a Hotkey function, allowing to switch between both connected computers without reaching for buttons or the remote.

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

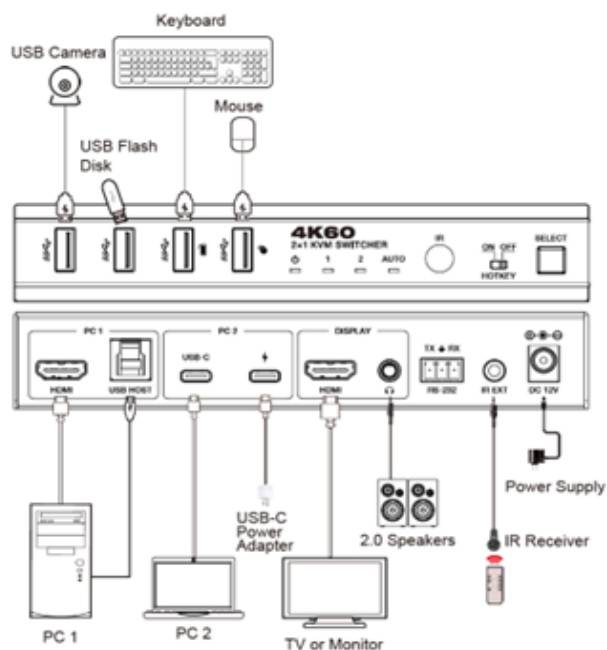
Features

- HDMI 2.0, HDCP 2.3 and DP 1.4 compliant
- Supports Ultra-wide screen & resolutions up to 4K@60Hz or 2K@60Hz/144Hz
- Two inputs: 1 x HDMI + 1 x USB-C
- One HDMI output with separate L/R audio output
- USB-C charging port supports PD3.0 with 100W charging
- Advanced hardware/software design and production ensure zero video and audio latency
- Four USB 3.0 Device ports allow sharing of peripherals such as webcam, printer, scanner, hard disk,... between computers with data transfer rate up to 5Gbps
- HDR, HDR10, HDR10+, Dolby Vision, HLG pass-through
- Same set of keyboard, mouse & monitor can control 2 computers
- Fast video switching & seamless keyboard/mouse switching
- Each input port has an EDID emulator to provide the correct information for the PC
- Supports hot plug, allowing devices to connect / disconnect with KVM at any time
- Auto switching or switching via front panel button, keyboard/mouse hotkeys, IR remote control or RS-232
- CEC support

Applications

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

Application Diagram



Technical Specifications

Technical	
Compliance	HDMI 2.0 / HDCP 2.3 / DP1.4
Video Resolutions / Bandwidth	Up to 4K@60Hz, 2K@60Hz/144Hz; 18 Gbps
Color Space / Depth	RGB 4:4:4, YCbCr 4:4:4 / 4:2:2 / 4:2:0; 8/10/12-bit
IR Level / Frequency	5Vp-p; Fixed frequency 38KHz
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
Latency	No video or audio latency
HDMI Audio Formats	HDMI IN/OUT: LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DTS:X, DSD L/R OUT: PCM 2.0CH
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Connections	
Input Ports	1 x HDMI [Type A, 19-pin female] 1 x USB-C [AV signal input] 1 x USB-C [Power input]
Output Ports	1 x HDMI [Type A, 19-pin female] 1 x L/R audio [3.5mm stereo mini-jack]
Control Ports	1 x RS-232 [3pin-3.81mm phoenix connector] 1 x IR EXT [3.5mm stereo mini-jack] 1 x USB HOST [USB 3.0 Type B, 11-pin female] 4 x USB DEVICES [USB 3.0 Type A, 13-pin female]
Mechanical	
Housing	Black metal enclosure
Weight & Dimensions	505g / 175mm [W] x 100mm [D] x 30mm [H]
Power Supply	Input: 100-240V 50/60Hz / Output: DC 12V/1A (CE/FCC/UL certified)
Power Consumption	Typical value: 7.8W / Standard mode: 0.6W
Operating Temperature	Operating: 32 - 104°F / 0 - 40°C / Storage: -4 - 140°F / -20 - 60°C
Relative Humidity	20- 90% RH (no condensation)