

BG-PS21-4K

2-Port 4K 60Hz KVM Presentation Switcher w/ HDMI and USB-C Inputs and HDMI out

Built for flexible digital presentations, the BG-PS21-4K is a KVM switcher that enables two devices to be connected to the same display at output resolutions of up to 4K@60Hz. Thanks to its USB-A ports, users can control two connected devices with one mouse and keyboard. These USB peripherals can be shared between the HDMI/Host connections and the USB-C connection. The device will also automatically switch inputs when a signal is detected via HDMI. This KVM switcher is a great option for small to medium sized conference rooms needing extra connectivity for multiple presenters during meetings.



FEATURES

- 18G 2x1 switcher with HDMI and USB-C inputs
- Supports HDMI 2.0, 4Kx2K@60Hz 4:4:4, HDR 10, Dolby Vision, HDCP 2.2
- Plug and play: Easy to install and use
- Multichannel Audio Supported: LPCM 7.1, Dolby Atmos®, TrueHD, Digital® Plus, DTS: X™, And DTS-HD® Master Audio™ Pass-Through
- Auto-Switching: Automatically selects input when change in signal is detected
- Smart EDID management for various applications and customized settings
- Provides charging on USB-C port up to 40W
- Balanced analog audio for audio de-embedding
- Controllable via front panel buttons and RS232
- Front panel buttons trigger both CEC and RS232 commands for display control
- Provides USB data (USB 3.0/2.0) and 4K video transmission on USB-C port



Specifications

VIDEO

Video Input: (1) HDMI, (1) USB-C

Video Input Connector: (1) Type-A female HDMI, (1) Type-C USB

HDMI Input Resolution: Up to 4Kx2K@60Hz 4:4:4 8bit

USB-C Input Resolution: Up to 4Kx2K@30Hz 4:4:4

Video Output: (1) HDMI

Video Output Connector: (1) Type-A female HDMI

HDMI Output Resolution: Up to 4Kx2K@60Hz 4:4:4 8bit

HDMI Version: 2.0

HDCP Version: 2.2

USB Version: 3.0

HDR 10: Supported

CEC: Supported

HPD: Supported

AUDIO

Audio Output: (1) AUDIO OUT (Stereo balanced L/R)

Audio Output Connector: (1) 5-pin terminal block

HDMI Audio Format: LPCM 7.1 audio, Dolby Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DTS: X™, and DTS-HD® Master Audio™ pass-through

Stereo balanced L/R audio Format: PCM

Max Output Level: 2.0Vrms 3 0.5dB. 2V = 16dB headroom above -10dBV (316mV) nominal consumer line level signal

THD+N: <0.05% (-80dB), 20Hz ~ 20KHz bandwidth, 1KHz sine at 0dBFS level (or max level)

SNR: >80dB, 20Hz ~ 20KHz bandwidth

Crosstalk Isolation: >70dB, 10KHz sine at 0dBFS level (or max level before clipping)

L-R Level Deviation: < 0.3dB, 1KHz sine at 0dBFS level (or max level before clipping)

Frequency Response Deviation: <30.5dB 20Hz ~ 20KHz

Output Load Capability: 1Kff and higher (supports 10x paralleled 10Kff loads)

Stereo Channel Separation: >70dB@1KHz

CONTROL

Control: (1) EDID, (1) FW, (1) RS232, (1) HOST, (2) DEVICE

Control Connector: (1) 4-pin DIP switch, (1) Micro-USB, (1) 3-pin terminal block, (1) Type-B USB 3.0, (2) Type-A USB 3.0

GENERAL

HDMI 2.0 Cable Length: 4K@60Hz 4:4:4 ≤ 5m, 4K@60Hz 4:2:0 ≤ 10m, 1080P ≤ 15m

Bandwidth: 18Gbps

Operation Temperature: 14°F ~ 131°F / -10°C ~ +55°C

Storage Temperature: -13°F ~158°F / -25°C ~ +70°C

Relative Humidity: 10% ~ 90%

External Power Supply: Input: AC 100-240V, 50/60Hz, Output: 24V DC 2.71A

Power Consumption: 54W (Max)

Dimension (W*H*D): 6.6" x 1.0" x 3.7" [168.0mm x 24.5mm x 95.0mm]

Net Weight: 0.54lbs [245g]

Industry-Leading Warranty & Support

BZBGear Pro AV products and Cameras come with a three-year warranty. An extended two-year warranty is available for our Cameras upon registration for a total of five years.

We pride ourselves in our Customer Service and seven-days-a-week Tech Support.

