P-0201-USB

2 x 1 4K Presentation Switch with USB

FEATURES

- 18G 2x1 switcher with HDMI and USB-C inputs
- Supports automatic switching.
- Controllable via front panel buttons and RS232
- Supports HDMI 2.0, 4Kx2K@60Hz 4:4:4, HDR 10, Dolby Vision, HDCP 2.2
- Provides charging on USB-C port up to 40W
- Provides USB data (USB 3.0/2.0) and 4K video transmission on USB-C port
- Balanced analog audio for audio de-embedding
- Peripheral units (e.g. microphone and camera) can be connected by type-A USB (USB 3.0/2.0) ports and automatically switched along with HDMI and USB-C input as USB DEVICES for corresponding HOST
- Smart EDID management capable for various applications and customized setting
- Front panel buttons trigger both CEC and RS232 commands for display control. (ON, OFF, MUTE, VOL+, VOL -)

PRODUCT OVERVIEW

The VitBest P-0201-USB switcher is designed to switch HDMI input or USB-C input to one HDMI output. It supports video resolution up to 4Kx2K@60Hz 4:4:4 8bit, 1080P, and 3D. In addition, there is smart built-in EDID setting can be selected by the 4-pin DIP switch on the front panel. The switcher supports stereo and multichannel audio on the HDMI inputs. In addition to the audio embedded in the HDMI output stream, the audio is simultaneously de-embedded to a balanced analog audio output. It also supports device extension by providing one type-B USB port for host connection, and two type-A USB ports for HID devices such as camera, microphone, keyboard etc.

The switcher features multiple methods of control. When in the AUTO mode, the switcher will automatically switch to the first detected source device. When the active source is removed, the switcher will switch to the lowest numbered input. The switcher can be manually controlled by the front panel buttons and RS232 command. CEC allows the display device can be controlled by the front panel buttons and RS232 CEC commands.

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TECHNICAL 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 ± 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	<±0.5dB 20Hz ~ 20KHz
Output Load Capability	1KΩ and higher (supports 10x paralleled 10KΩ loads)
Stereo Channel Separation	>70dB@1KHz

CONTROL PART

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) ype-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	-10°C ~ +55°C
Storage Temperature	-25°C ~ +70°C
Relative Humility	10% ~ 90%
External Power Supply	Input: AC 100~240V, 50/60Hz, Output: 24V DC 2.71A
Power Consumption	54W (Max)
Dimension (W*H*D)	168.0mm x 24.5mm x 95.0mm
Net Weight	245g

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