

PT-PSW-52KVM

18Gbps USB-C KVM switcher with Dante and Multiview



Features

- ▶ Seamless Switching of 2 HDMI, 1 HDMI + USB-B, and 2 USB-C video and data ports both with 60W PD
- ▶ Output over HDBaseT v3.0 for uncompressed 18Gbps as well as a mirrored HDMI 2.0 loop out
- ▶ 2 USB-A local, 2 USB-A at receiver - additional HDMI and USB-B input at RX side
- ▶ Support for multiview screen layouts PiP, PaP and quad view
- ▶ Dante input and output support with balanced 5 pin phoenix connection

Technical Data

PT-PSW-52KVM Transmitter

Input / Output	
Input	3x HDMI, 2x USB-C, 1x LINE In (5pin 3.5mm Phoenix) 1x Dante (RJ45)
Output	1x HDMI, 1x HDBT (RJ45) 1x LINE Out (5pin 3.5mm Phoenix)
Control	
Control Ports	1x RS-232 (3pin 3.5mm Phoenix), 1x LAN (RJ45), 1x USB Host (USB Type B), 2x USB Device (USB Type A), 1 x IR In (3.5mm jack), 1 x IR Out (3.5mm jack)
Video	
HDMI Standard	HDMI 2.0b / HDCP2.2
DP Standard	DP1.2 (USB-C supports DisplayPort Alt mode for video and USB2.0 data)
Transmission Distance	4K30 70m; 4K60 40m
Video Bandwidth	18Gbps
Input Resolution	480i -1080p 50/60Hz, 4K @24/30Hz, 4K @50Hz/60Hz (4:4:4) Auto, 3840x2160p60, 3840x2160p50, 4096x2160p60, 4096x2160p50, 3840x2160p30, 3840x2160p25, 1920x1200p60RB, 1920x1080p60, 1920x1080p50, 1360x768p60, 1280x800p60, 1280x720p60, 1280x720p50, 1024x768p60
Colour Space	Input: 8/10/12-bit, 8-bit (4K60Hz 4:4:4) Output: 8-bit"
Colour Depth	RGB, YCbCr 4:4:4 / 4:2:2. YUV 4:2:0
HDR	Input supports HDR, output does not support HDR.
Audio	
Input Impedance	10K Ohms
Output Impedance	330 Ohms
Line Input Level (Maximum)	8.2dBu (2Vrms) @ balanced or unbalanced audio
Line Output Level (Maximum)	"8.2dBu (2Vrms) @ balanced audio 2.2dBu (1Vrms) @ unbalanced audio"
Frequency Response	(+0.5 dB, -1 dB) 20 Hz to 20 kHz
Audio Output Sync Delay	0 to 50ms
Audio S/N Ratio	93dB @ 2Vrms, 1kHz A-weighted
Audio THD+N	<0.1% @ 0 dBV, 1 kHz
Dante Audio Formats	LPCM2.0
Dante Sample Rate Range	44.1, 48, 88.2 and 96KHz at 24 bits
Dante Audio Delay	2ms, 3ms, 4ms, 5ms, 10ms
Dante Network Bandwidth	100Mbps
General	
Product Dimensions	220 x 150 x 44mm
Product Weight	1.21Kg
Housing Material	Aluminium
Colour	Black
Operation Temperature	0 to 40°C
Storage Temperature	-20 to 60°C
Relative Humidity	20% to 90%
Power Supply	DC 24V 8A (US/EU standard, CE/FCC/UL certified)
USB Bandwidth	TX USB DEVICES to TX HOST/USB-C: 480Mbps; RX USB DEVICES to TX HOST/USB-C: 350Mbps
Network Bandwidth	100Mbps
IR Level / Frequency	12Vp-p / Wideband 20K-60KHz
Power Consumption	System Max. 150W
Compliance	CE, FCC, RoHS, REACH, EMC, LVD

PT-PSW-52KVM Receiver

Input / Output	
Input	1x HDMI, 1x HDBT (RJ45)
Output	1x HDMI, 1x LINE Out (5pin 3.5mm Phoenix)
Control	
Control Ports	1x IR In (3.5mm Jack), 1x IR Out (3.5mm Jack), 1x RS232 (3-pin Phoenix), 1x USB Host (USB Type B), 2x USB Device (USB Type A), 1x SERVICE (Micro USB)
Technical Data	
HDMI Standard	HDMI 2.0b / HDCP2.2
DP Standard	N/A
Transmission Distance	4K30 70m; 4K60 40m
Video Bandwidth	18Gbps
Input Resolution	480i -1080p 50/60Hz, 4K @24/30Hz, 4K @50Hz/60Hz (4:4:4) Auto, 3840x2160p60, 3840x2160p50, 4096x2160p60, 4096x2160p50, 3840x2160p30, 3840x2160p25, 1920x1200p60RB, 1920x1080p60, 1920x1080p50, 1360x768p60, 1280x800p60, 1280x720p60, 1280x720p50, 1024x768p60
Colour Space	Input: 8/10/12-bit, 8-bit (4K60Hz 4:4:4) Output: 8-bit"
Colour Depth	RGB, YCbCr 4:4:4 / 4:2:2. YUV 4:2:0
HDR	Input supports HDR, output does not support HDR.
Audio	
Output Impedance	330 Ohms
Line Output Level (Maximum)	"8.2dBu (2 Vrms) @ balanced audio 2.2dBu (1 Vrms) @ unbalanced audio"
Frequency Response	(+0.5 dB, -1 dB) 20 Hz to 20 kHz
Audio Output Sync Delay	0 to 50ms
Audio S/N Ratio	93dB @ 2Vrms, 1kHz A-weighted
Audio THD+N	<0.1% @ 0 dBV, 1 kHz
General	
Product Dimensions	140 x 105 x 21.5mm
Product Weight	424g
Housing Material	Aluminium
Colour	Black
Operation Temperature	0 to 40°C
Storage Temperature	-20 to 60°C
Relative Humidity	20% to 90%
PoE	Uni-directional from TX (24V PSU optional at RX)
Power Consumption	System Max. 150W
USB Bandwidth	RX USB DEVICES to TX HOST/USB-C: 350Mbps; RX USB DEVICES to RX HOST: 480Mbps
IR Level / Frequency	12Vp-p / Wideband 20K-60KHz
Compliance	CE, FCC, RoHS, REACH, EMC, LVD

Product Overview

Art. No.	Colour	EAN
PT-PSW-52KVM	black	4251364741542

TRANSMITTER



FRONT



BACK

RECEIVER



FRONT



BACK

Contact

PureLink GmbH
Von-Liebig-Str. 10
48432 Rheine | Germany

+49 5971 800 299-0
+49 5971 800 299-99
info@purelink.de



We regularly expand our product range. We will be happy to provide information on updates in this regard upon request.
All information is subject to confirmation and non-binding. Technical changes, printing errors and mistakes excepted.
The illustrations used in these document may differ from the delivered product.