PT-PSW-52 5x2 Presentation Switcher

PureTools

Multiformat Seamless Scaler Switcher with HDBaseT

The PT-PSW-52 is a compact seamless scaler switcher designed for professional installation in medium sized meeting rooms, classrooms and teaching podiums. Five multiformat video inputs, three mixable audio streams with pre-amplification and a mirrored HDBaseT output give the installer the flexibility to tackle a range of applications with a single SKU. PT-PSW-52's powerful Web GUI, simple OSD and handy CEC commands mean that the job is completed with the absolute minimum time possible spent on site.

SEAMLESS MULTIFORMAT SWITCHING

Seamlessly switch between DP, VGA, MHL and two HDMI on the autosense equipped input side, directly to a choice of scaled output resolutions up to 1080p and WUXGA.

INTUITIVE CONTROL

The simple yet intuitive Web GUI adds another level of control to its simple yet effective IR remote, and with a powerful OSD and CEC embedding the system can be up and running perfectly in minutes.

REMOTE UPGRADE

Advanced control over IP is simple. Remotely configure settings and even install FW. Remote upgrades limit on-site time and allow installers to perform maintenance remotely and out of hours.

COMPACT SIZE

All of this technology is packed into a ½RU sized enclosure, for installation into furniture or a professional rack.

MIRRORED HDMI & HDBT OUT

The PT-PSW-52 is equipped with a mirrored HDMI and full PoH HDBaseT output and comes complete with an HDBaseT Receiver (PT-HDBT-701-RX) adding a range of up to 70m to the video signal.

FLEXIBLE AUDIO INPUT AND OUTPUT

Support for 48V phantom power, dynamic and wireless MIC, as well as separate DP and VGA Audio embedding and built in balanced audio extraction with volume adjust, ensures flawless sound reproduction.

COMPLETE EDID MANAGEMENT

The PT-PSW-52 has comprehensive control over EDID. Smart EDID management settings and the ability to load customized EDID's, guarantee a perfect image every time.

DETAILED TECHNICAL SPECIFICATION

PT-PSW-52

VIDEO	
Video Input	1 x HDMI/MHL; 2 x HDMI; 1x DP; 1 x VGA
Video Output	1 x HDMI; 1 x HDBaseT (RJ45)
Output Resolution	1920x1200, 1920x1080, 1600x1200, 1600x900, 1360x768, 1280x800, 1280x720, 1024x768
Standards	Compliant with HDMI 1.4 & HDCP2.2

AUDIO	
Audio Input	1 x VGA Audio (3.5mm Jack); 1 x DP Audio (3.5mm Jack); 1 x MIC (3 pin Phoenix)
Audio Input Impedance	>10kΩ
Audio Output	1 x Dual-Mono Analog Audio (5 pin Phoenix)
Audio Output Impedance	70Ω
Frequency Response	20Hz~20K Hz
Stereo Channel Separation	>80dB @1KHz

CONTROL PART	
Control Port	1 x IR In (3.5mm Jack); 1 x IR Out (3.5mm Jack); 1 x IR EYE (3.5mm Jack); 1 x RS232 (3 pin Phoenix); 1 x TCP/IP (RJ45); 1 x Fw Port (USB A)
Control Button	6 x Push Button; 1 x Rotary Encoder; 1 x 3 Pos Slide Switch; 1 x Reset (pin Button)

GENERAL	
Transmission Distance	1080P≤70m (Cat6)
Operation Temperature	0°C ~ +50°C
Storage Temperature	-10°C ~ +55°C
Relative Humidity	10% ~ 90%
Power Supply	DC24V 2.71A Locking Barrel (5.5mm Outside Diameter, 2.1mm Inside Diameter)
Power Consumption	27W
Dimensions (W*H*D)	220mm x 44mm x 172.5mm
Net Weight	800g

PT-HDBT-701-RX

VIDEO	
Input	1 x HDBaseT (RJ45)
Output	1 x HDMI
HDMI Standard	HDMI1.4a & HDCP2.2
Bandwidth	10.2Gbps
Resolution	Up to 4K@60Hz 4:2:0
Transmission Mode	HDBaseT

CONTROL PART	
Control Ports	1 x IR IN (3.5mm Jack); 1 x IR OUT(3.5mm Jack); 1 x RS232 (3 pin Phoenix)

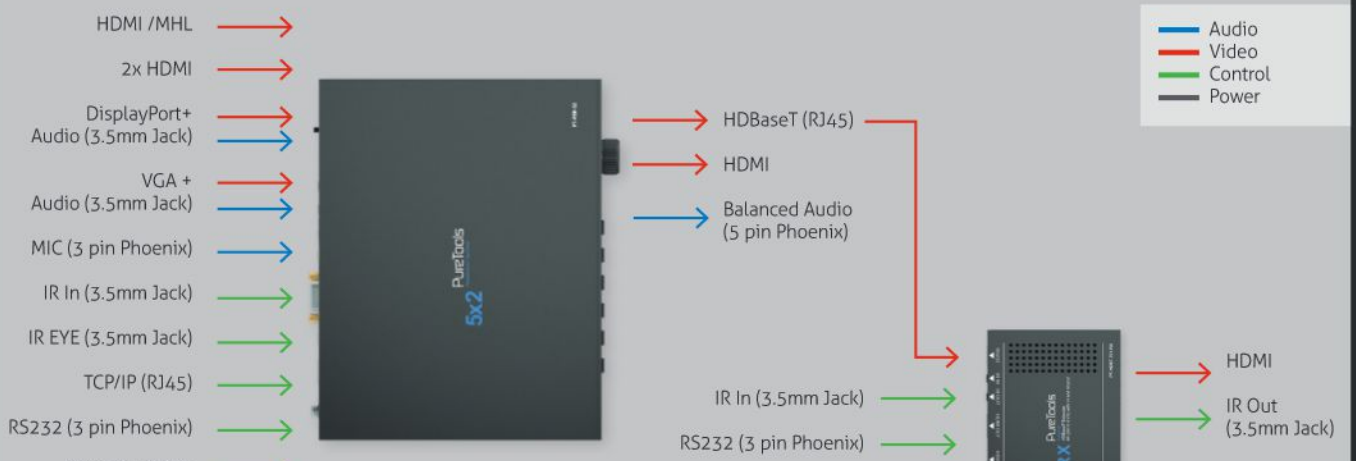
GENERAL	
Transmission Mode & Distance	HDBaseT; 1080P ≤ 70m; 4K ≤ 40m
Operation/Storage Temperature	-10°C ~ 50°C
Humidity	0% ~ 90%
Power Supply	Powered by HDBaseT Transmitter or Matrix Switcher
Power Consumption	11W
Dimensions (W*H*D)	115mm x 16mm x 84mm
Net Weight	150g

OPTIONAL ACCESSORIES

PT-RM-PSW52	Rack Mount Kit 1U for PT-PSW-52

PTM-RS100	Universal RS232 Cable with Adjustable Pin Settings

CONNECTION DIAGRAM



FW Port (USB A)
Power (DC Barrel)
VERSION 1.