4K Multiformat Scaler Switcher

A professional 4K scaling presentation switcher designed specifically to meet the needs of a small meeting room, executive hotel room or teaching podium. WUXGA support on VGA and 4K input support on HDMI and DP and full 4K scaling on the output. Autosense comes as standard but for more comprehensive switching and a more elegant interface, break out control buttons are available with an integrated video port. These elegant interface plates can be fitted securely and discreetly into furniture and provide a simple yet intuitive control and connection to your source device.

4K SCALING
The PT-PSW-41H will scale the output content to 4K60Hz (4:2:0) or a multiple resolutions up to 10.2Gbs, making this a versatile and powerful switcher scaler.

MULTI FORMAT
With two HDMI, VGA and DP on the auto switch equipped input side, and HDMI out with stereo audio extraction, the PT-PSW-41H is equipped to handle a range of installs.

SMART SIGNAL MANAGEMENT
IR control with learning mode, RS232, smart EDID management, volume and output resolution control, make the PT-PSW-41H perfectly equipped to handle all data without difficulties. Simply plug in and present.

ELEGANT INTERFACE PLATES
The unique breakaway button control with input connector allows to control and interface with the device without ever having to see it. The stylish yet discreet interface plates are perfect for high end installations.

COMPACT SIZE
All of this technology is packed into a compact enclosure, for installation into furniture or under desks.

DETAILED TECHNICAL SPECIFICATION

VIDEO

Input	2 x HDMI; 1 x DP; 1x VGA
Output Connector	1 x HDMI
Input Resolution	4K@60Hz 4:2:0, VGA: Up to 1920x1200@60Hz
Output Resolution	3840×2160, 1920×1080, 1360×768, 1280×720, 1024×768
Maximum Pixel Clock	340MHz
Bandwidth	HDMI: 10.2Gbps (3.4Gbps per Color); C-Video: 150MHz; VGA: 375MHz
HDMI Standard	HDMI 1.4 and HDCP 2.2 Compliant

AUDIO

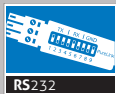|	
Input	1 x VGA Audio In (3.5mm Jack)
Output	1 x Stereo Out (3 pin Phoenix)
HDMI Embedded Audio	PCM, Dolby Digital, DTS, DTS-HD
Stereo Channel Separation	>80dB @ 1kHz
Frequency Response	20Hz~20K Hz
Common Mode Rejection Ratio (CMRR)	>90 dB at 20 Hz ~ 20 kHz

CONTROL PART

Control Ports	1 x IR In (3.5mm Jack); 1 x RS232 (3 pin Phoenix), 4 x Interface Port (3 pin Phoenix); 1x FW (USB Micro)
Button Control	7 x Push Button

GENERAL

EDID	In-built EDID Management
Operation Temperature	-10°C ~ 40°C
Relative Humidity	10% ~ 90%
Power Supply	12VDC 2A Locking Barrel 5.5mm Outside Diameter, 2.1mm Inside Diameter
Maximum Power Consumption	35W
Dimension (W*H*D)	230mm x 23.6mm x 100mm
Net Weight	320g

OPTIONAL ACCESSORIES

RS232

PTM-RS100 — Universal RS232 Cable with Adjustable Pin Settings

INTERFACEPLATE

PT-IFP-HD	HDMI Interface Plate
PT-IFP-VG	VGA Interface Plate
PT-IFP-DP	DP Interface Plate

CONNECTION DIAGRAM

2x HDMI →
DP →
VGA + Audio (3.5mm Jack) →
HDMI 1 Connection Plate (3 pin Phoenix) →
HDMI 2 Connection Plate (3 pin Phoenix) →
DP Connection Plate (3 pin Phoenix) →
VGA Connection Plate (3 pin Phoenix) →
RS232 (3 pin Phoenix) →
FW Port (USB Micro) →
Power (DC Barrel) →

→ HDMI
→ Audio Out (3 pin Phoenix)
→ IR Out (3.5mm Jack)

— Audio
— Video
— Control
— Power