

Overview:

The 5x1 HDMI / HDBT Presentation switch is a compact scaler switcher with 5 video inputs (3 HDMI, 2 VGA) and 6 audio inputs (3 HDMI audio & 2 VGA with audio switched following the video; 1 MIC audio input). The VGA input supports VGA, Component Video (YPbPr) and Composite Video.

The 5x1 HDMI / HDBT Presentation switch scales & switches any video signal to HDMI output and HDBaseT output for a transmission over up to 70 m of Cat5e/6 with PoC support.

With 1 IR Sensor, 5 IR Emitters and 1 RS232 port, bidirectional IR & RS232 signals can be transmitted simultaneously between the 5x1 HDMI / HDBT Presentation switch and the HDMI Extender PoC/PoE Receiver.

Applications: computer realm, monitoring, conference room and conference centres, corporate boardrooms, hotels and hospitality rooms, big screen displaying, television education, command & control centres and smart homes.

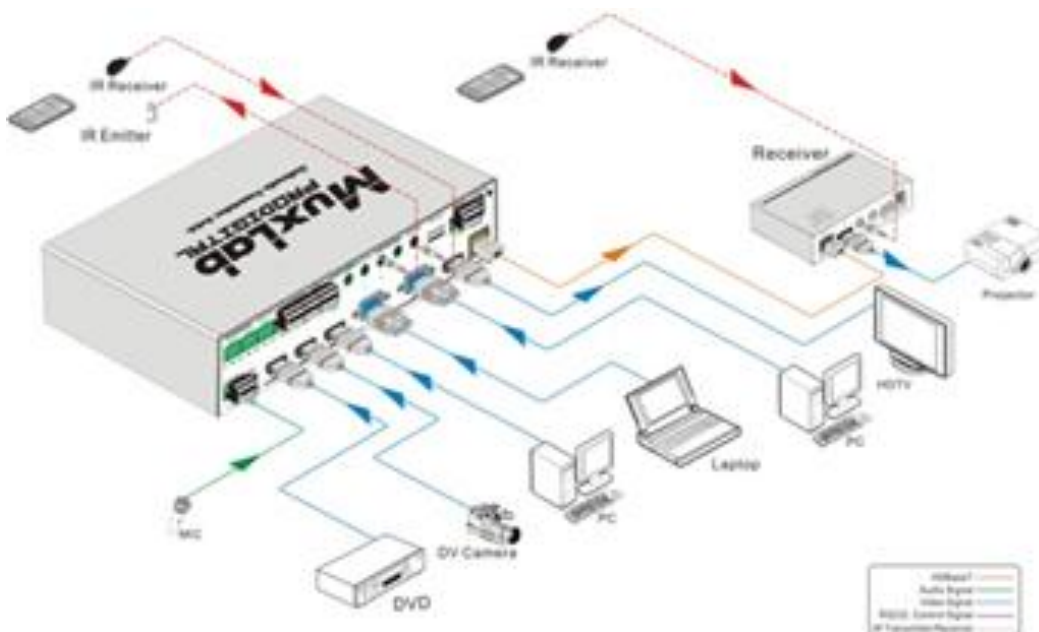
Specification chart on next page



Features:

- Supports video source auto-switching function
- Bi-directional IR & RS232 control
- Supports HDMI, VGA, Composite Video, and Component Video (YPbPr)
- Output resolutions selectable (1920x1200, 1920x1080, 1600x1200, 1360x768, 1280x800, 1280x720, 1024x768)
- Supports CEC, with commands to enable/disable this function
- Compliant with HDCP
- Supports online software upgrading
- MIC port supports balance/unbalance signal, suppress the external noise effectively
- 48V phantom power to support condenser microphone
- 3-level MIC input, supports condenser microphone, dynamic microphone and wireless microphone
- Controllable via button, IR & RS232
- Powerful OSD function

Typical Application:



5x1 HDMI / HDBT Multimedia Presentation Switch 500435

Environment	HDMI 1.3
Devices	DVD, plasma, projectors, monitors, TV, PC, laptops, servers supporting HDMI.
Transmission	Transparent to the user
Video Bandwidth	HDMI: 4.96 Gbps Composite Video: 150 MHz Component Video (YPbPr): 170 MHz VGA: 375 MHz
Maximum Pixel Clock	165 MHz
Video Impedance	75 Ω
Video Resolution	1920x1200, 1920x1080, 1600x1200, 1360x768, 1280x800, 1280x720, 1024x768
Audio Bandwidth	20Hz to 20KHz
Audio Impedance	Input: >10k Ω Output: 70 Ω
Stereo Channel Separation	>80dB @1KHz
Signals	HDMI 1.3a protocol and HDCP
Connectors	Four (4) HDMI receptacles; Three (3) Inputs & One (1) Output. Two (2) VGA HD-15 receptacles (Inputs). One (1) RJ45S for HDBT (output). Six (6) 3-pin terminal block (3.81 mm) for Audio; Five (5) Inputs & one (1) Output. One (1) 3-pin terminal block (3.81 mm) for the microphone. Five (5) IR Emitter 3.5mm Mono jacks. One (1) IR Sensor 3.5mm Stereo jack. One (1) 3-pin terminal block (3.81 mm) for RS232. One (1) 2.1mm barrel jack for Power. One (1) USB Type A. Note: HDMI cables not included.
Maximum Distance Based on a maximum length of 6.6 ft. (2 m) of HDMI cable per end.	Cat 5e/6: 230 ft (70 m) up to 1080p Note: When installed in an electrically noisy environment, an STP cable must be used. Also, cross-connection reduces the effective distance depending on the grade of twisted cable used.
Cable	One (1) Cat 5e/6 or better twisted pair cable required
Compatible Receiver	500451-RX (No Serial Port, No PoE) 500451-PoE-RX (No Serial Port, with PoE) 500454-RX (With Serial Port, No PoE) 500454-POE-RX (With Serial Port and PoE)
Power Supply	One (1) 110-240V/12VDC power supply with interchangeable blades (locking PSU connector)
Power Consumption	8Watts for the 5x1 HDMI / HDBT Presentation switch alone. 16 Watts when the 5x1 HDMI / HDBT Presentation provides PoE power to the HDMI Extender Receiver.
Temperature	Operating: 0° to 40°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing
Enclosure	Metal
Dimensions	8.66" x 1.73" x 5.83" (220x 44x 148mm)
Weight	3.28lb (1.49kg)
Compliance	Regulatory: FCC, CE, RoHS
Warranty	2 years
Order Information	5004355x1 HDMI / HDBT Multimedia Presentation Switch (UPC: 627699004357)

Product Photos:

