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, bi-directional 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:
<table>
<thead>
<tr>
<th>Environment</th>
<th>HDMI 1.3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Devices</td>
<td>DVD, plasma, projectors, monitors, TV, PC, laptops, servers supporting HDMI.</td>
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<tr>
<td>Transmission</td>
<td>Transparent to the user</td>
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</tbody>
</table>
| Video Bandwidth | HDMI: 4.96 Gbps  
Component Video: 150 MHz  
Component Video (YPbPr): 170 MHz  
VGA: 275 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: >10kΩ  
Output: 70Ω |
| 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) RJ45Stor HDBT (output).  
Six (6) 3-pin terminal block (3.81 mm) for Audio; Five (5) Inputs& one (1) Output.  
One (1)13-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. |
| 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: