

Overview

The HDMI IR/Receiver (500417) allows any HDMI source to be selected via MuxLab's HDMI 4x4 Matrix Switch from the remote display. Also, the product features an IR jack to allow the HDMI source to be controlled.

The product supports 1080p Deep Color up to 150 ft (46m) via two (2) Cat6 cables and includes one (1) IR Sensor and one (1) power supply.

Applications

Commercial and residential AV systems, classroom training systems, digital signage, boardroom systems, medical video systems.



Key Features

- Up to 150 ft (46m) @ 1080p Deep Color via Cat6
- Up to 300 ft (91m) @ 1080i via Cat5e/6
- Connect via two (2) Cat5e/6 cables
- Includes IR Sensor and handheld remote
- Pushbutton control

Specifications

Environment	HDMI 1.3a																																						
Devices	DVD, plasma, projectors, monitors, TV, PC, laptops, servers supporting HDMI																																						
Transmission	Transparent to the user																																						
Bandwidth	225 MHz																																						
Compliance	HDMI 1.3a																																						
Connectors	Output: HDMI receptacle Link: Two (2) RJ45S for Cat5e/6 twisted pair IR: 3.5 mm stereo jack for IR Sensor <i>HDMI cables not included.</i>																																						
Max. Distance*	<table border="0"> <tr> <td>480i/p:</td> <td>Cat 5e: 300 ft (91 m)</td> <td>Cat 6: 300 ft (91 m)</td> </tr> <tr> <td>720p, 1080i:</td> <td>Cat 5e: 300 ft (91 m)</td> <td>Cat 6: 300 ft (91 m)</td> </tr> <tr> <td>1080p:</td> <td>Cat 5e: 150 ft (46 m)</td> <td>Cat 6: 200 ft (61 m)</td> </tr> <tr> <td>1080p Deep Color:</td> <td>Cat 5e: 90 ft (27 m)</td> <td>Cat 6: 150 ft (46 m)</td> </tr> </table> <p><i>*Based on a maximum length of 6.6 ft (2m) of HDMI cable per end</i></p> <p>When installed in an electrically noisy environment, STP cable must be used. Also, cross-connection reduces the effective distance depending on the grade of twisted cable used.</p>	480i/p:	Cat 5e: 300 ft (91 m)	Cat 6: 300 ft (91 m)	720p, 1080i:	Cat 5e: 300 ft (91 m)	Cat 6: 300 ft (91 m)	1080p:	Cat 5e: 150 ft (46 m)	Cat 6: 200 ft (61 m)	1080p Deep Color:	Cat 5e: 90 ft (27 m)	Cat 6: 150 ft (46 m)																										
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RJ45 Pin Configuration <i>Reverse Polarity Sensitive</i> <i>Use EIA/TIA 568 A or B, straight-through wiring.</i>	<table border="0"> <tr> <td colspan="2">RJ45 A (HDMI A)</td> <td rowspan="2"> </td> <td rowspan="2"> </td> </tr> <tr> <td>Pin 1 (R)</td> <td>Pin 2 (T)</td> </tr> <tr> <td>Pin 3 (R)</td> <td>Pin 6 (T)</td> <td colspan="2"></td> </tr> <tr> <td>Pin 4 (R)</td> <td>Pin 5 (T)</td> <td colspan="2"></td> </tr> <tr> <td>Pin 7 (R)</td> <td>Pin 8 (T)</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">RJ45 B (HDMI B)</td> <td colspan="2"></td> </tr> <tr> <td>Pin 1 (R)</td> <td>Pin 2 (T)</td> <td colspan="2"></td> </tr> <tr> <td>Pin 3 (R)</td> <td>Pin 6 (T)</td> <td colspan="2"></td> </tr> <tr> <td>Pin 4 (R)</td> <td>Pin 5 (T)</td> <td colspan="2"></td> </tr> <tr> <td>Pin 7 (R)</td> <td>Pin 8 (T)</td> <td colspan="2"></td> </tr> </table>	RJ45 A (HDMI A)				Pin 1 (R)	Pin 2 (T)	Pin 3 (R)	Pin 6 (T)			Pin 4 (R)	Pin 5 (T)			Pin 7 (R)	Pin 8 (T)			RJ45 B (HDMI B)				Pin 1 (R)	Pin 2 (T)			Pin 3 (R)	Pin 6 (T)			Pin 4 (R)	Pin 5 (T)			Pin 7 (R)	Pin 8 (T)		
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Cable	Two (2) Cat5e/6 twisted pair cables required.																																						
IR Remote for matrix and source control	Pushbutton, built-in IR sensor External IR Sensor included Wireless handheld included																																						
Power Supply	One (1) 110-240V/12VDC power supply with interchangeable blades included																																						
Power Consumption	3.6W																																						
Temperature	Operating: 0° to 55° C. Storage: -20° to 85° C. Humidity: up to 95% non-condensing.																																						
Enclosure	ABS fire retardant plastic																																						
Dimensions	4.50" x 3.00" x 1.25" (11.4 x 7.6 x 3.2 cm)																																						
Weight	1.0 lb (0.45 kg)																																						
Compliance	Regulatory: FCC Class A, CE, RoHS Flammability: 94V0																																						
Warranty	2 years																																						
Order Information	500417 HDMI IR/Receiver with Source Control																																						

Typical Application

