

Overview

The VideoEase HDMI 3x1 Switcher Kit allows up to three (3) different HDMI sources to be connected to one (1) HDMI display via two (2) Cat5e unshielded twisted pair cables in a point-to-point configuration. The kit includes one transmitter and one receiver and supports up to 100 ft (30m) at 1080p via Cat5E/6 cable.



Applications

Commercial and residential AV systems, classroom projector systems, digital signage, boardroom systems, collaborative PC systems, medical information systems.

Key Features

- Up to 100 ft (30m) @ 1080p via two (2) Cat5E/6*
- Push button switch control
- HDMI 1.3 (except for 1080p Deep Color)
- * Supports Deep Color up to 1080i.

Specifications																	
Environment	HDMI and DVI-D.																
Devices	DVD, plasma, projectors, monitors, TV, PC, laptops, servers supporting HDMI or DVI-D																
Transmission	Transparent to the user.																
Bandwidth	165MHz																
Compliance	HDMI 1.3 except for 1080p Deep Color. Supports Deep Color up to 1080i																
Connectors	Transmitter: Three (3) HDMI receptacles. Two (2) RJ45 Receiver: One (1) HDMI receptacle. Two (2) RJ45																
Max. Distance	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">480i/p:</td> <td style="width: 33%;">Cat5e: 280 ft (85 m)</td> <td style="width: 33%;">Cat6: 280 ft (85 m)</td> </tr> <tr> <td>720p, 1080i:</td> <td>Cat5e: 250 ft (75 m)</td> <td>Cat6: 280 ft (85 m)</td> </tr> <tr> <td>1080p:</td> <td>Cat5e: 100 ft (30 m)</td> <td>Cat6: 130 ft (40 m)</td> </tr> </table> <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:	Cat5e: 280 ft (85 m)	Cat6: 280 ft (85 m)	720p, 1080i:	Cat5e: 250 ft (75 m)	Cat6: 280 ft (85 m)	1080p:	Cat5e: 100 ft (30 m)	Cat6: 130 ft (40 m)							
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RJ45 Pin Configuration <i>Reverse Polarity Sensitive Use EIA/TIA 568 A or B, straight-through wiring</i>	<p>RJ45 A (Video)</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>Pin 1 (R)</td><td>Pin 2 (T)</td></tr> <tr><td>Pin 3 (R)</td><td>Pin 6 (T)</td></tr> <tr><td>Pin 4 (R)</td><td>Pin 5 (T)</td></tr> <tr><td>Pin 7 (R)</td><td>Pin 8 (T)</td></tr> </table> <p>RJ45 B (DDC)</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>Pin 1 (R)</td><td>Pin 2 (T)</td></tr> <tr><td>Pin 3 (R)</td><td>Pin 6 (T)</td></tr> <tr><td>Pin 4 (R)</td><td>Pin 5 (T)</td></tr> <tr><td>Pin 7 (R)</td><td>Pin 8 (T)</td></tr> </table> <div style="text-align: center;"> </div>	Pin 1 (R)	Pin 2 (T)	Pin 3 (R)	Pin 6 (T)	Pin 4 (R)	Pin 5 (T)	Pin 7 (R)	Pin 8 (T)	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) Category 5e or better twisted pair cables required.																
Switch	Push button port selector on transmitter and receiver																
LED indicators	Power, Sync, Input Select																
Power Supply	One (1) 1100220V/12VDC power supply with detachable North American or European power cord																
Power Consumption	3.6 W																
Temperature	Operating: 0° to 55° C. Storage: -20° to 85° C. Humidity: up to 95% non-condensing.																
Enclosure	ABS fire retardant plastic																
Dimensions	4.5" x 3.8" x 1.25" (11.4 cm x 9.7 cm x 3.2cm)																
Weight	23.5 oz (668 gms)																
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0																
Warranty	2 years																
Order Information	500410 HDMI 3x1 Switcher Kit, 110V 500411 HDMI 3x1 Switcher Kit, 220-240V																

Typical Application

