

## 2x2 HDMI over Cat5/6 Matrix/Extender Kit - 1080p 60 Hz, RS-232, IR Control, 656 ft. (200 m), TAA

MODEL NUMBER: B160-202-HDSI



Converts HDMI A/V to an IP-based signal that is transmitted through a managed switch to 2 HDMI displays 656 ft. away via Cat5e/6 cable.

### Features

#### DVI/HDMI Matrix Kit for Digital Signage or Extending Video in Schools or Trade Show Booths

This matrix/extender kit comes with two B160-001-HDSI transmitters and two B160-100-HDSI receivers. It extends and distributes DVI or HDMI audio/video, RS-232 serial and IR (infrared) remote signals from two source devices, such as Blu-ray players and media servers, to two HDMI displays via Cat5e/6 cabling. The maximum distance between a transmitter and receiver is 328-ft. (100 m). However, by connecting a dedicated network switch (sold separately) in between, you can extend the audio/video as far as 656 feet (200 meters).

#### Scale Up to a Multi-In, Multi-Out Installation to Take You Beyond 656 Feet

You can create an installation featuring multiple sources and displays by connecting a dedicated managed Ethernet network switch with Internet Group Management Protocol (IGMP), such as NSS-G16D2. By adding multiple managed switches, you can create a multi-in, multi-out installation with as many as 64 transmitters and 255 receivers. The IGMP-enabled switch will let you manage all connections for centralized control over which sources show on which displays. Note: Unmanaged switch installations are limited to two transmitter units. The number of receivers is limited to the number of ports remaining on the unmanaged switch. This transmitter/receiver extender kit is designed for use with a dedicated network switch. Connecting a switch used with other networking equipment will result in degraded or non-functional performance.

#### Transmits Crystal-Clear 1080p Video with Stereo Audio

The B160-202-HDSI supports video resolutions up to 1920 x 1080 (1080p) at 60 Hz with 24-bit True Color in a managed switch installation. It extends IR signals that control a DVI or HDMI source to the remote displays, as well as RS-232 signals at serial baud rates up to 57600 bps. This allows you to operate the source devices' remote controls (play, rewind, pause, etc.), while standing near a receiver located up to 656 feet away. Adapter cables are included for converting DVI signals to HDMI and vice versa.

#### Plug-and-Play Operation for Quick Setup and Immediate Use

The included transmitter and receiver units work right out of the box with no software required. Mounting hardware is included for installing the units on walls, poles or 19-inch racks. Cat6 patch cable (such as N202-Series) can be used to connect the transmitters to a receiver or network switch. Connect an additional display to a transmitter's local output with HDMI cable (such as P568- or P569-Series) to monitor the image being transmitted to a remote display.

#### TAA-Compliant for GSA Schedule Purchases

### Highlights

- Matrix kit includes 2 B160-001-HDSI transmitters and 2 B160-100-HDSI receivers
- Delivers HD picture quality at resolutions up to 1920 x 1080 (1080p) @ 60 Hz
- Transmitters' local HDMI ports let you monitor images being shown on remote displays
- Plug-and-play operation with no software required for easy, immediate installation
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

### Applications

- Keep your video sources in a secure location, with displays located elsewhere for viewing by the intended audience
- Create an easily updatable video board communicating dynamic information, such as a restaurant menu or a theater schedule
- Display arrivals, departures and up-to-the-minute information in an airport or train station
- Duplicate audio/video content across multiple displays, show different content on multiple screens or create an impressive video wall made up of many monitors (multiple transmitters and receivers required)

### System Requirements

- Source devices with DVI or HDMI output (media server, Blu-ray player)
- Display devices with DVI or HDMI input (HDTV, projector, monitor)

### Package Includes

- (2) B160-001-HDSI transmitter units
- (2) B160-100-HDSI receiver units
- (2) IR-Out cable
- (2) IR-In cables
- (4) HDMI to DVI adapter cables
- (4) 3.5 mm to DB9 adapter cables (M/F)
- (4) External power supplies with

The B160-202-HDSI is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

4.5-ft. (1.37 m) cord (Input: 100-240V, 50/60 Hz, 1A; Output: 5V 2A)

- (16) International plug adapters (North America, Europe, U.K., Australia)
- (4) Sets of mounting hardware
- (4) Owner's manuals

## Specifications

OVERVIEW	
UPC Code	037332236043
Product Type	Splitter; Extender Kit
Technology	DVI; HDMI; IR; A/V over IP; Cat5/5e; Cat6
Host Connector	HDMI (FEMALE)
VIDEO	
Max Supported Video Resolution	1920 x 1080 (1080p) @ 60Hz
Max 1280 x 720 (720p) Range (ft)	328
Max 1920 x 1080 (1080p) Range (ft)	328
Transmitter Video Input	HDMI
Transmitter - Number of Video Outputs	2
Transmitter - Local Display Output	HDMI
Receiver/Transceiver Video Output	HDMI
Receiver - Number of Video Outputs	1
Range Extension using other Tripp Lite product	328 ft.
Recommended Cabling	N202-Series Cat6 Patch Cable
Other Tripp Lite product used to extend range	network switch
Max Supported Color Depth	24-bit True Color
HDR Support	No
3D Video Supported	Yes
Maximum Signal Range (ft)	328
Maximum Signal Range (m)	100
Maximum Signal Range Details	328 ft via Cat6/275 ft via Cat5e
AUDIO	

Audio Input	HDMI
Audio Output	HDMI
Audio Specification	Stereo Audio
<b>INPUT</b>	
AC Power Adapter Plug(s)	AS/NZS 3112 Australia; BS 1363 UK; CEE 7/16 Schuko; NEMA 1-15P North America
AC Power Adapter Input Specs (V / Hz / A)	100-240V / 50/60Hz / 1.0A
AC Power Adapter Output Specs (V / A)	5V / 2A
AC Power Adapter Cord Length (ft.)	4.5
AC Power Adapter Cord Length (m)	1.4
Bus Powered	No
<b>POWER</b>	
Power Source Type	AC Adapter
AC Plug Type	NEMA 1-15P; BS1363; CEE 7/16 Schuko; AS/NZS 3112
Power Source	Transmitter and Receiver (Included)
Power Over Cable (PoC) Support	No
DC Barrel Plug	OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
LED Indicators	TX & RX: RJ45 (Green / Power, Orange / Signal), Channel Signal (Red), Power (Green)
<b>PHYSICAL</b>	
Color	Black
Material of Construction	Metal
Cable Length (ft.)	0
Cable Length (m)	0.00
Included Mounting Accessories	Wallmount
Number of Displays	2
Optional Mounting Accessory Notes	Can DIN Mount using Tripp Lite Bracket <a href="https://tripplite.eaton.com/din-rail-mounting-bracket-for-digital-signage-version-2-B110-DIN-02">B110-DIN-02</a>
Form Factor/Mounting Options	Box; Wall-mount
Rackmountable	No
Receiver Unit Dimensions (hwd / in.)	1.17 x 3.94 x 5.04
Receiver Unit Weight (lbs.)	0.2
Shipping Dimensions (hwd / in.)	10.80 x 4.70 x 13.50
Shipping Dimensions (hwd / cm)	27.43 x 11.94 x 34.29



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Shipping Weight (lbs.)	7.90
Shipping Weight (kg)	3.58
Transmitter Unit Dimensions (hwd / in.)	1.17 x 3.94 x 5.04
Transmitter Unit Weight (lbs.)	0.2
Unit Dimensions (hwd / in.)	1.169 x 3.937 x 5.039
Unit Packaging Type	Box
Housing	Metal
<b>ENVIRONMENTAL</b>	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 122°F (-15° to 50°C)
Relative Humidity	0% to 85%, Non-Condensing
<b>COMMUNICATIONS</b>	
Signal Range (ft.)	328
Signal Range (m)	100
EDID Compatible	Yes
IR Remote Extension Support	Yes
RS-232 Serial Extension Support	Yes
Consumer Electronics Control (CEC) Supported	Yes
Latency	2-3 Seconds
USB Extension Support	No
<b>CONNECTIONS</b>	
Side A - Connector 1	(4) HDMI (FEMALE); (2) RJ45 (FEMALE)
Side A - Connector 2	(4) 3.5MM (FEMALE)
Side B - Connector 1	(4) HDMI (FEMALE); (2) RJ45 (FEMALE)
Side B - Connector 2	(4) 3.5MM (FEMALE)
Input x Output	2 x 2
Daisy-chainable / Cascadable	No
<b>FEATURES &amp; SPECIFICATIONS</b>	
10/100 Ethernet Extension Support	No
MST Support	No
Built-In Equalizer	No
HDCP Specification	1.4
Driver Required	No



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Recommended Category Cable	CAT6
<b>STANDARDS &amp; COMPLIANCE</b>	
External Power Supply Certifications	BSMI; CB; CCC; CE; FCC; GS; PSE; RCM; TUV; UL; cUL
Product Compliance	RoHS; CE (Europe); REACH; FCC (USA); Trade Agreements Act (TAA)
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	1-year limited warranty

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