

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

MODEL NUMBER: **B160-301-HDSI**



Converts HDMI A/V to an IP-based signal that is transmitted through a managed switch to 3 HDMI displays 656 ft. away via Cat5e/6 cable.

### Features

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

This splitter/extender kit comes with one Tripp Lite B160-001-HDSI transmitter and three B160-100-HDSI receivers. It extends and distributes DVI or HDMI audio/video, RS-232 serial and IR (infrared) remote signals from a source device, such as a Blu-ray player or media server, to three HDMI displays via Cat5e/6 cabling. The maximum distance between a transmitter and receiver is 328-ft. (99.97 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 (200 meters)

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 Tripp Lite's 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 B160-301-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 device's remote control (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 Tripp Lite's N202-Series) can be used to connect the transmitter to a receiver or network switch. Connect an additional display to the transmitter's local output with HDMI cable (such as Tripp Lite's P568- or P569-Series) to monitor the image being transmitted to a remote display.

### Highlights

- Splitter kit includes B160-001-HDSI transmitter and three B160-100-HDSI receivers
- Delivers HD picture quality at resolutions up to 1920 x 1080 (1080p) @ 60 Hz
- Transmitter's local HDMI port lets 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 source 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)



#### TAA-Compliant for GSA Schedule Purchases

The B160-301-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.

#### System Requirements

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

#### Package Includes

- B160-001-HDSI transmitter unit
- (3) B160-100-HDSI receiver units
- IR-Out cable
- (3) IR-In cables
- (4) HDMI to DVI adapter cables
- (4) 3.5 mm to DB9 adapter cables (M/F)
- (4) External power supplies with 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	037332236029
Product Type	Extender Kit
Technology	DVI; HDMI; IR; Serial (RS232); A/V over IP; Cat5/5e; Cat6
VIDEO	
Max Supported Video Resolution	1920x1080 (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	3
Transmitter - Local Display Output	HDMI
Receiver/Transceiver Video Output	HDMI
Receiver - Number of Video Outputs	1
Signal Range (ft)	328 via Cat6 275 via Cat5e
Signal Range (m)	100 via Cat6 84 via Cat5e
Range Extension using other Tripp Lite product	328ft
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
3D Video Supported	Yes
<b>AUDIO</b>	
Audio Input	HDMI
Audio Output	HDMI
Audio Specification	Stereo Audio
<b>POWER</b>	
Power Source	Transmitter and Receiver (Included)
Power Source Type	AC Adapter
AC Plug Type	NEMA 1-15P; BS1363; CEE 7/16 Schuko; AS/NZS 3112
External Power Supply Input Specs (V / Hz / A)	100-240V / 50-60Hz / 1.0A
External Power Supply Output Specs (V / A)	5V/2A
External Power Supply Cord Length (ft.)	4.5
External Power Supply Cord Length (m.)	1.4
External Power Supply DC Barrel Connector Specs	OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve
External Power Supply Certifications	BSMI; CB; CCC; CE; FCC; GS; PSE; RCM; TUV; UL; cUL
<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
Included Mounting Accessories	Wallmount
Material of Construction	Metal
Number of Displays	3
Optional Mounting Accessory Notes	Can DIN Mount using Tripp Lite Bracket <a href="http://www.tripplite.com/din-rail-mounting-bracket-for-digital-signage-version-2-B110-DIN-02">B110-DIN-02</a>
Form Factor/Mounting Options	Box; Wall-mount
Receiver Unit Dimensions (hwd / cm.)	2.97 x 10 x 12.8
Receiver Unit Dimensions (hwd / in.)	1.17 x 3.94 x 5.04
Receiver Unit Weight (kg)	1.4993
Receiver Unit Weight (lbs.)	0.2
Shipping Dimensions (hwd / cm)	12.19 x 27.18 x 33.78
Shipping Dimensions (hwd / in.)	4.80 x 10.70 x 13.30
Shipping Weight (kg)	3.54
Shipping Weight (lbs.)	7.80
Transmitter Unit Dimensions (hwd / cm.)	2.97 x 10 x 12.8
Transmitter Unit Dimensions (hwd / in.)	1.17 x 3.94 x 5.04
Transmitter Unit Weight (kg)	1.4993
Transmitter Unit Weight (lbs.)	0.2
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.)	656
Signal Range (m)	200
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	(2) HDMI (FEMALE)
Side A - Connector 3	(1) RJ45 (FEMALE)
Side B - Connector 1	(3) HDMI (FEMALE)
Side B - Connector 2	(3) RJ45 (FEMALE)
Side B - Connector 3	(6) 3.5MM (FEMALE)
<b>FEATURES &amp; SPECIFICATIONS</b>	
HDCP Specification	1.4
Driver Required	No
Recommended Category Cable	CAT6
Built-In Equalizer	No
<b>STANDARDS &amp; COMPLIANCE</b>	
Certifications	Tested to CE, FCC, RoHS, REACH
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	1-year limited warranty

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