

DVI/HDMI over Cat5/6 Switch/Extender Kit - 1080p @ 60 Hz, RS-232, IR Control, 656 ft. (200 m), TAA

MODEL NUMBER: **B160-103-HDSI**



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

Features

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

This switch/extender kit comes with three Tripp Lite B160-001-HDSI transmitters and one B160-100-HDSI receiver. It extends and distributes DVI or HDMI audio/video, RS-232 serial and IR (infrared) remote signals from three source devices, such as Blu-ray players and media servers, to an HDMI display via Cat5e/6 cabling. The maximum distance between a transmitter and receiver is 328 feet. 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 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 B160-103-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 display, 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 the 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 transmitters to a receiver or network switch. Connect an additional display to a 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

- Switch kit includes 3 B160-001-HDSI transmitters and one B160-100-HDSI receiver
- 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 display
- 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)



TAA-Compliant for GSA Schedule Purchases

The B160-103-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 devices with DVI or HDMI output (media server, Blu-ray player)
- Display device with DVI or HDMI input (HDTV, projector, monitor)

Package Includes

- (3) B160-001-HDSI transmitter units
- B160-100-HDSI receiver unit
- (3) IR-Out cables
- IR-In cable
- (4) HDMI to DVI adapter cables
- (4) 3.5 mm to DB9 adapter cables (M/F)
- (4) External power supplies with 4.5 ft. 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	037332236012
INPUT	
Voltage Compatibility (VAC)	100; 110; 120; 125; 127; 200; 208; 220; 230; 240
External Power Supply Input Specs (V / Hz / A)	100-240V, 50/60Hz, 0.5A
External Power Supply Output Specs (V / A)	5V / 2A
External Power Supply Cord Length (ft.)	4.5



External Power Supply Cord Length (m.)	1.37
External Power Supply DC Barrel Connector Specs	OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve
External Power Supply Plug(s)	AS/NZS 3112 Australia; BS 1363 UK; CEE 7/16 Schuko; NEMA 1-15P North America
External Power Supply Certifications	CE; UL
Bus Powered	Yes
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	RJ45 Input (Green = Power, Orange = Signal), Power = Green
PHYSICAL	
Shipping Dimensions (hwd / in.)	4.92 x 13.39 x 10.94
Shipping Dimensions (hwd / cm)	12.50 x 34.01 x 27.79
Shipping Weight (lbs.)	9.10
Shipping Weight (kg)	4.13
Material of Construction	Metal
Color	Black
Transmitter Unit Dimensions (hwd / in.)	1.17 x 3.94 x 5.04
Transmitter 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 Dimensions (hwd / cm.)	2.97 x 10 x 12.8
Transmitter Unit Weight (lbs.)	3.3054
Transmitter Unit Weight (kg)	1.4993
Receiver Unit Weight (lbs.)	3.3054
Receiver Unit Weight (kg)	1.4993
ENVIRONMENTAL	
Operating Temperature Range	32 to 104F (0 to 40C)
Storage Temperature Range	5 to 122F (-15 to 50C)
Relative Humidity	0% to 85%, Non-Condensing
COMMUNICATIONS	
Signal Range (ft.)	656
Signal Range (m)	200
Latency	2-3 seconds



CONNECTIONS	
Side A - Connector 1	(2) HDMI (FEMALE)
Side A - Connector 2	(1) RJ45 (FEMALE)
Side A - Connector 3	(2) 3.5MM (FEMALE)
Side B - Connector 1	(1) HDMI (FEMALE)
Side B - Connector 2	(1) RJ45 (FEMALE)
Side B - Connector 3	(2) 3.5MM (FEMALE)
FEATURES & SPECIFICATIONS	
Max Supported Video Resolution	1920 X 1080 (1080p) @ 60 Hz
Audio Specification	Stereo
Driver Required	No
Recommended Category Cable	CAT6
Max Supported Color Depth	24-bit True Color
EDID Compatible	Yes
IR Remote Extension Support	Yes
RS-232 Serial Extension Support	Yes
3D Video Supported	Yes
Technology	A/V over IP; Cat6; HDMI
CERTIFICATIONS	
Certifications	Tested to RoHS, CE, FCC, REACH
WARRANTY	
Product Warranty Period (Worldwide)	1-year limited warranty

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