DVI/HDMI over IP Extender Transmitter over Cat5/Cat6, RS-232 Serial and IR Control, 1920 x 1080 (1080p), 328 ft. (100 m), TAA

MODEL NUMBER: **B160-001-HDSI**

Converts HDMI or DVI audio/video to an IP-based signal that is transmitted point-to-point to a receiver 328 ft. away via Cat5e/6 cable or through a dedicated Ethernet network switch.

Description

The B160-001-HDSI HDMI over IP Extender Transmitter works with a Tripp Lite B160-Series receiver (sold separately) to extend and distribute HDMI or DVI audio/video, RS-232 serial and IR (infrared) remote signals from the source to the display located up to 328 feet (100 meters) away, which is more than 200 feet farther than a traditional Cat5e/6 solution. By adding a chain of low-cost unmanaged network switches, such as Tripp Lite's NG5, you can continue extending the distance between source and display up to 328 feet per switch.

The B160-001-HDSI displays a single source on a single display or distributes a single signal to multiple displays. Create a multi-in, multi-out installation with up to 64 transmitters and 255 receivers* by connecting dedicated managed Ethernet network switches** with Internet Group Management Protocol (IGMP), such as Tripp Lite's NSS-G16D2.

With a compatible B160-Series receiver, you can send the HDMI or DVI video source (a DVI adapter cable is included) to any analog or digital display, including VGA and DisplayPort™, allowing you to mix and match technologies and use existing monitors. An IGMP-enabled switch will let you manage all connections for centralized control over which sources show on which displays.

The B160-001-HDSI supports video resolutions up to 1920 x 1080 (1080p), though it's limited to the maximum resolution of the receiver. It mounts to a wall, rack or pole using the included hardware. An HDMI output port allows connection of a local display.

*Unmanaged switch installations are limited to two transmitter units. Number of receivers is limited to number of ports remaining on unmanaged switch.
**B160-Series designed for use with dedicated network switch. Connecting to a switch used with other networking equipment will result in degraded or non-functional performance.

Features

Distributes HDMI/DVI A/V, Serial and IR Control Signals over Cat5/6 Cabling Converts audio/video to

Highlights

- Compatible with Tripp Lite B160-Series A/V over IP receivers
- Video source can be sent to any analog or digital display
- Supports video resolutions up to 1920 x 1080 (1080p) - Limited to maximum resolution of receiver
- HDMI output on transmitter for connecting local display
- Plug and play—no software or drivers required

Package Includes

- Transmitter unit
- External power supply (Input: 100–240V, 50/60 Hz, 0.5A; Output: 5V 2A)
- Plug adapters for U.S., U.K., Europe and Australia
- IR-Out cable
- HDMI-to-DVI adapter cable
- Mounting hardware
- Owner's manual

an IP-based signal that is transmitted point-to-point to a display 328 ft. awayAdd low-cost network switches between transmitter and receiver to continue extending distance up to 328 ft. per switchHDMI output for connecting a local display

Create a Multi-In, Multi-Out Installation Using B160-Series Transmitters and Receivers Connect up to 64 transmitters and 255 receivers through multiple dedicated managed network switchesIGMP-enabled switches allow centralized control over which sources show on which displaysVideo source can be sent to any analog or digital display, so you can mix and match technologies and use existing monitors

Enhanced Technical Features Supports video resolutions up to 1920 x 1080 (1080p)Uses H.264 video compression standardTransmits on 20–60 kHz IR frequencyExtends IR control signals that control a source from a remote displaySupports RS-232 serial baud rates up to 57600 BpsHDCP and 3D compatible when used with a DisplayPort or HDMI receiver

Plug-and-Play Functionality No software or drivers requiredHardware included for mounting on wall, rack or poleCompatible with all Tripp Lite B160-Series A/V over IP receivers

TAA-Compliant Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Specifications

OVERVIEW	
UPC Code	037332196644

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 / 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 Plug(s)	AS/NZS 3112 Australia; BS 1363 UK; CEE 7/16 Schuko; NEMA 1-15P North America
External Power Supply Certifications	BSMI; CB; CE; FCC; GS; PSE; RCM; UL; cUL

USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	RJ45 Output (Green / Power, Orange / Signal), Channel Signal (Red), Power (Green)

PHYSICAL	
Color	Black
Material of Construction	SECC
Rackmountable	Yes
Shipping Dimensions (hwd / in.)	2.10 x 6.30 x 10.10
Shipping Weight (lbs.)	2.00
Unit Dimensions (hwd / in.)	1.2 x 5 x 3.9

Unit Weight (kg)	0.09
Unit Weight (lbs.)	0.2

ENVIRONMENTAL	
Operating Temperature Range	14 to 167 F (-10 to 75 C)
Storage Temperature Range	-4 to 176 F (-20 to 80 C)
Relative Humidity	0% to 85%, Non-Condensing
BTUs	19.8 BTU/Hr
Power Consumption (Watts)	5.8

COMMUNICATIONS	
Signal Range (ft.)	328
Signal Range (m)	100
Latency	2-3 seconds

CONNECTIONS	
Ports	5
Side A - Connector 1	HDMI (FEMALE)
Side B - Connector 1	3.5MM (FEMALE); DB9 (FEMALE); HDMI (FEMALE); RJ45 (FEMALE)

FEATURES & SPECIFICATIONS	
Max Supported Video Resolution	1920 x 1080 (1080p) @60Hz
HDMI Specification	1.4
HDCP Specification	1.4
Audio Specification	2 Channel Surround Sound, Stereo Audio
Driver Required	No
Recommended Category Cable	N202-Series Cat6 Patch Cable
Max Supported Color Depth	24-bit True Color
IR Remote Extension Support	Yes
RS-232 Serial Extension Support	Yes
3D Video Supported	Yes
Technology	DVI; HDMI; IR; Serial (RS232); A/V over IP

CERTIFICATIONS	
Certifications	Tested to CE, FCC, RoHS, REACH

WARRANTY	

Product Warranty Period (Worldwide)	1-year limited warranty