#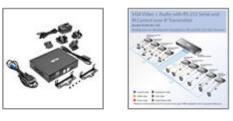 VGA over IP Extender Transmitter over Cat5/Cat6, RS-232 Serial and IR Control, 1920 x 1440 (1080p), 328 ft. (100 m), TAA

MODEL NUMBER: **B160-001-VSI**

Converts VGA video + audio 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-VSI VGA over IP Extender Transmitter works with a Tripp Lite B160-Series receiver (sold separately) to extend and distribute DisplayPort 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-VSI 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 VGA video source to any analog or digital display, including HDMI 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-VSI supports video resolutions up to 1920 x 1440, including 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.

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 1440, including 1080p*
- 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
- 3.5 mm to DB9 adapter cable (M/F)
- Mounting hardware
- Owner's manual

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 VGA A/V, Serial and IR Control Signals over Cat5/6 Cabling

- Converts audio/video to an IP-based signal that is transmitted point-to-point to a display 328 ft. away
- Add low-cost network switches between transmitter and receiver to continue extending distance up to 328 ft. per switch
- HDMI 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 switches
- IGMP-enabled switches allow centralized control over which sources show on which displays
- Video 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 1440, including 1080p (limited to receiver's max resolution)
- Uses H.264 video compression standard
- Transmits on 20–60 kHz IR frequency
- Extends IR control signals that control a source from a remote display
- Supports RS-232 serial baud rates up to 57600 Bps
- HDCP and 3D compatible

Plug-and-Play Functionality

- No software or drivers required
- Hardware included for mounting on wall, rack or pole
- Compatible 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	037332196682
PHYSICAL	

Shipping Dimensions (hwd / in.)	2.10 x 6.30 x 10.10
Shipping Dimensions (hwd / cm)	5.33 x 16.00 x 25.65
Shipping Weight (lbs.)	1.90
Shipping Weight (kg)	0.86
Color	Black
ENVIRONMENTAL	
Operating Temperature Range	32 TO 122 F (0 TO 50 C)
Storage Temperature Range	-40 TO 158 F (-40 TO 70 C)
Operating Humidity Range	45% TO 50% RH, NON-CONDENSING
Storage Humidity Range	45% TO 65% RH, NON-CONDENSING
COMMUNICATIONS	
Max 1024 x 768 Range (ft)	328
Max 480P Range (ft)	328
Max 1440 x 900 Range (ft)	328
Max 1080i Range (ft)	328
Max 1080P Range (ft)	328
Max 1920 x 1440 Range (ft)	328
Max 480i Range (ft)	328
Max 640 x 480 Range (ft)	328
Max 800 x 600 Range (ft)	328
Max 1600 x 1200 Range (ft)	328
Max 1920 x 1200 Range (ft)	328
Max 720P Range (ft)	328
CONNECTIONS	
Ports	1
Side A - Connector 1	3.5MM (FEMALE); HD15 (FEMALE)
Side B - Connector 1	(2) 3.5MM (FEMALE); HDMI (FEMALE); RJ45 (FEMALE)
FEATURES & SPECIFICATIONS	
Max Supported Video Resolution	1920 x 1080 (1080p)
Audio Specification	2 Channel Surround Sound
Driver Required	No
Max Supported Color Depth	24-bit True Color
IR Remote Extension Support	Yes

RS-232 Serial Extension Support	Yes
3D Video Supported	Yes
Technology	IR; Serial (RS232); VGA/SVGA; A/V over IP
WARRANTY	
Product Warranty Period (Worldwide)	1-year limited warranty