

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 | |



| | |
|--------------------------------------|--|
| Color | Black |
| Shipping Dimensions (hwd / cm) | 5.08 x 16.26 x 25.91 |
| Shipping Dimensions (hwd / in.) | 2.00 x 6.40 x 10.20 |
| Shipping Weight (kg) | 0.77 |
| Shipping Weight (lbs.) | 1.70 |
| 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 |



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|-------------------------------------|---|
| 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 |

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