

## 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.

### 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

### 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

- 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                             |
| Product Type                                   | Transceiver                              |
| Technology                                     | IR; VGA/SVGA; A/V over IP; Cat5/5e; Cat6 |
| VIDEO  |  |
| Max Supported Video Resolution                 | 1920 x 1440 @ 60Hz                       |
| Max 720P Range (ft)                            | 328                                      |
| Max 1080P Range (ft)                           | 328                                      |
| Max 1280 x 720 (720p) Range (ft)               | 328                                      |
| Max 1920 x 1080 (1080p) Range (ft)             | 328                                      |
| Max 1920 x 1200 Range (ft)                     | 328                                      |
| Transmitter Video Input                        | VGA                                      |
| Transmitter - Number of Video Outputs          | 1  |
| Transmitter - Local Display Output             | HDMI                                     |
| 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                        |
| HDR Support                                    | No                                       |
| 3D Video Supported                             | No                                       |
| Maximum Signal Range (ft)                      | 328                                      |
| Maximum Signal Range (m)                       | 100                                      |
| Maximum Signal Range Details                   | 328 ft via Cat6/275 ft via Cat5e         |
| AUDIO  |  |
| Audio Input                                    | 3.5mm                                    |
| Audio Specification                            | Stereo Audio                             |

| <b>INPUT</b>                                   |   |
|--|---|
| Bus Powered                                    | No  |
| <b>POWER</b>                                   |   |
| Power Source Type                              | AC Adapter  |
| External Power Supply Plug(s)                  | AS/NZS 3112 Australia; BS 1363 UK; CEE 7/16 Schuko; NEMA 1-15P North America  |
| 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   |
| AC Plug Type                                   | NEMA 1-15P; BS1363; CEE 7/16 Schuko; AS/NZS 3112  |
| Power Source                                   | Unit (Included)   |
| Power Over Cable (PoC) Support                 | No  |
| DC Barrel Plug                                 | OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve  |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b>   |   |
| LED Indicators                                 | RJ45 Output (Green / Power, Orange / Signal), Channel Signal (Red), Power (Green)   |
| <b>PHYSICAL</b>                                |   |
| Color  | Black   |
| Included Mounting Accessories                  | Wallmount   |
| Number of Displays                             | 1   |
| 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   |
| Shipping Dimensions (hwd / in.)                | 2.00 x 6.40 x 10.20   |
| Shipping Dimensions (hwd / cm)                 | 5.08 x 16.26 x 25.91  |
| Shipping Weight (lbs.)                         | 1.70  |
| Shipping Weight (kg)                           | 0.77  |
| Unit Dimensions (hwd / in.)                    | 0.000 x 0.000 x 0.000   |
| Unit Packaging Type                            | Box   |
| Unit Weight (lbs.)                             | 0.2   |
| Unit Weight (kg)                               | 0.09  |
| 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                                       |
| BTUs   | 18.1 BTU/Hr   |
| <b>COMMUNICATIONS</b>                        |   |
| 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 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   |
| EDID Compatible                              | No  |
| IR Remote Extension Support                  | Yes   |
| RS-232 Serial Extension Support              | Yes   |
| Consumer Electronics Control (CEC) Supported | No  |
| USB Extension Support                        | No  |
| <b>CONNECTIONS</b>                           |   |
| Number of Ports                              | 1   |
| Side A - Connector 1                         | 3.5MM (FEMALE); HD15 (FEMALE)                                   |
| Side B - Connector 1                         | HDMI (FEMALE); RJ45 (FEMALE)                                    |
| <b>FEATURES &amp; SPECIFICATIONS</b>         |   |
| 10/100 Ethernet Extension Support            | No  |
| Built-In Equalizer                           | No  |
| Driver Required                              | No  |
| <b>STANDARDS &amp; COMPLIANCE</b>            |   |
| External Power Supply Certifications         | BSMI; CB; CCC; CE; FCC; GS; PSE; RCM; TUV; UL; cUL              |
| Product Compliance                           | RoHS; CE (Europe); REACH; FCC (USA); Trade Agreements Act (TAA) |

**WARRANTY & SUPPORT**

|  |                         |
|--|-------------------------|
| Product Warranty Period<br>(Worldwide) | 1-year limited warranty |
|--|-------------------------|