

2x2 HDMI over Cat5/6 Matrix/Extender Kit - 1080p 60 Hz, RS-232, IR Control, 656 ft. (200 m), TAA

MODEL NUMBER: **B160-202-HDSI**



Converts HDMI A/V to an IP-based signal that is transmitted through a managed switch to 2 HDMI displays 656 ft. away via Cat5e/6 cable.

Features

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

This matrix/extender kit comes with two B160-001-HDSI transmitters and two B160-100-HDSI receivers. It extends and distributes DVI or HDMI audio/video, RS-232 serial and IR (infrared) remote signals from two source devices, such as Blu-ray players and media servers, to two HDMI displays via Cat5e/6 cabling. The maximum distance between a transmitter and receiver is 328-ft. (100 m). 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 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 B160-202-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 displays, 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 a 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 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 P568- or P569-Series) to monitor the image being transmitted to a remote display.

TAA-Compliant for GSA Schedule Purchases

Highlights

- Matrix kit includes 2 B160-001-HDSI transmitters and 2 B160-100-HDSI receivers
- 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 displays
- 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)

System Requirements

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

Package Includes

- (2) B160-001-HDSI transmitter units
- (2) B160-100-HDSI receiver units
- (2) IR-Out cable
- (2) IR-In cables
- (4) HDMI to DVI adapter cables
- (4) 3.5 mm to DB9 adapter cables (M/F)
- (4) External power supplies with

The B160-202-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.

4.5-ft. (1.37 m) 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 | 037332236043 |
| Product Type | Splitter; Extender Kit |
| Technology | DVI; HDMI; IR; A/V over IP; Cat5/5e; Cat6 |
| Host Connector | HDMI (FEMALE) |
| VIDEO | |
| Max Supported Video Resolution | 1920 x 1080 (1080p) @ 60Hz |
| Max 1280 x 720 (720p) Range (ft) | 328 |
| Max 1920 x 1080 (1080p) Range (ft) | 328 |
| Transmitter Video Input | HDMI |
| Transmitter - Number of Video Outputs | 2 |
| Transmitter - Local Display Output | HDMI |
| Receiver/Transceiver Video Output | HDMI |
| Receiver - Number of Video Outputs | 1 |
| Range Extension using other Tripp Lite product | 328 ft. |
| 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 | Yes |
| Maximum Signal Range (ft) | 328 |
| Maximum Signal Range (m) | 100 |
| Maximum Signal Range Details | 328 ft via Cat6/275 ft via Cat5e |
| AUDIO | |



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| Audio Input | HDMI |
| Audio Output | HDMI |
| Audio Specification | Stereo Audio |
| INPUT | |
| AC Power Adapter Plug(s) | AS/NZS 3112 Australia; BS 1363 UK; CEE 7/16 Schuko; NEMA 1-15P North America |
| AC Power Adapter Input Specs (V / Hz / A) | 100-240V / 50/60Hz / 1.0A |
| AC Power Adapter Output Specs (V / A) | 5V / 2A |
| AC Power Adapter Cord Length (ft.) | 4.5 |
| AC Power Adapter Cord Length (m) | 1.4 |
| Bus Powered | No |
| POWER | |
| Power Source Type | AC Adapter |
| AC Plug Type | NEMA 1-15P; BS1363; CEE 7/16 Schuko; AS/NZS 3112 |
| Power Source | Transmitter and Receiver (Included) |
| Power Over Cable (PoC) Support | No |
| DC Barrel Plug | OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve |
| CONNECTIONS | |
| Side A - Connector 1 | (4) HDMI (FEMALE); (2) RJ45 (FEMALE) |
| Side A - Connector 2 | (4) 3.5MM (FEMALE) |
| Side B - Connector 1 | (4) HDMI (FEMALE); (2) RJ45 (FEMALE) |
| Side B - Connector 2 | (4) 3.5MM (FEMALE) |
| Input x Output | 2 x 2 |
| Daisy-chainable / Cascadable | No |
| USER INTERFACE, ALERTS & CONTROLS | |
| LED Indicators | TX & RX: RJ45 (Green / Power, Orange / Signal), Channel Signal (Red), Power (Green) |
| PHYSICAL | |
| Color | Black |
| Material of Construction | Metal |
| Cable Length (ft.) | 0 |
| Cable Length (m) | 0.00 |
| Included Mounting Accessories | Wallmount |
| Number of Displays | 2 |



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| Optional Mounting Accessory Notes | Can DIN Mount using Tripp Lite Bracket B110-DIN-02 |
| Form Factor/Mounting Options | Box; Wall-mount |
| Rackmountable | No |
| Receiver Unit Dimensions (hwd / in.) | 1.17 x 3.94 x 5.04 |
| Receiver Unit Weight (lbs.) | 0.2 |
| Shipping Dimensions (hwd / in.) | 10.80 x 4.70 x 13.50 |
| Shipping Dimensions (hwd / cm) | 27.43 x 11.94 x 34.29 |
| Shipping Weight (lbs.) | 7.90 |
| Shipping Weight (kg) | 3.58 |
| Transmitter Unit Dimensions (hwd / in.) | 1.17 x 3.94 x 5.04 |
| Transmitter Unit Weight (lbs.) | 0.2 |
| Unit Dimensions (hwd / in.) | 1.169 x 3.937 x 5.039 |
| Unit Packaging Type | Box |
| Housing | Metal |
| ENVIRONMENTAL | |
| 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 |
| COMMUNICATIONS | |
| Signal Range (ft.) | 328 |
| Signal Range (m) | 100 |
| EDID Compatible | Yes |
| IR Remote Extension Support | Yes |
| RS-232 Serial Extension Support | Yes |
| Consumer Electronics Control (CEC) Supported | Yes |
| Latency | 2-3 Seconds |
| USB Extension Support | No |
| FEATURES & SPECIFICATIONS | |
| 10/100 Ethernet Extension Support | No |
| MST Support | No |
| Built-In Equalizer | No |
| HDCP Specification | 1.4 |
| Driver Required | No |



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| Recommended Category Cable | CAT6 |
| STANDARDS & COMPLIANCE | |
| 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 (Worldwide) | 1-year limited warranty |

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