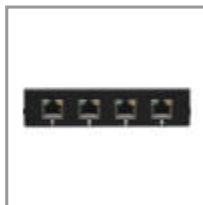


## 4-Port DVI over Cat5/6 Splitter/Extender, Box-Style Transmitter for Video, DVI-D Single Link, 200 ft. (60 m), TAA

MODEL NUMBER: **B140-004**



Transmit a DVI-D single-link signal to 4 monitors up to 200 ft. away using a single Cat5/6 Ethernet cable.

### Description

The B140-004 transmits a DVI-D Single-Link signal to four monitors up to 200 feet (61 meters) away using a single Cat5e/6 Ethernet cable. To achieve maximum distance and resolution, use 24AWG Solid Wire Cat5e/6 cable (N202-Series). An additional DVI port is provided for the connection of a local monitor. This local DVI port can also be used to daisy-chain up to three units together, allowing for the connection of up to 13 monitors (12 remote, one local). Mounting hardware is included that allows the unit to be rack-mounted, wall-mounted or pole-mounted. In addition, up to three units can be mounted in 1U of rack space using a B132-004-RB 19-inch rack-mount bracket. The B140-004 is compatible with all operating systems and is plug and play with no software or drivers required. Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases.

Installation is simple. Connect the B140-004 transmitter to a DVI source using a P561-Series DVI cable (not included). Connect a B140-Series receiver (not included) to each display using a P561-Series DVI cable (not included). Finally, each remote receiver is connected to an RJ45 port on the B140-004 using a single Cat5e/6 cable.

For longer extension distances, use a B140-1A0 active receiver unit to extend a 1920 x 1080 at 60 Hz signal up to 150 feet (45.7 meters) or a 1024 x 768 at 60 Hz signal up to 200 feet (61 meters).

For shorter extension distances, use a B140-1P0 passive receiver unit to extend a 1920 x 1080 at 60 Hz signal up to 50 feet or a 1024 x 768 at 60 Hz signal up to 100 feet (30.5 meters).

Further expand the range and number of monitors by using a B140-110 repeater unit. Add up to four remote units (three repeaters and one active receiver) to each channel of the B140-004 for a total of four displays per channel (an active receiver should be the last unit in a channel). A 1920 x 1080 at 60 Hz signal can be extended up to 125 feet (38.1 meters) from each repeater to the next unit in the channel or a 1024 x 768 at 60 Hz signal can be extended up to 175 feet (53.3 meters)

### Features

- Transmit a DVI-D Single-Link signal to four monitors up to 200-ft. (61 m) away using a single Cat5e/6 patch cable
- Supports DVI-D Single-Link video resolutions up to 1920 x 1080 at 60 Hz
- For longer distances - Use a B140-1A0 active receiver unit to extend a 1920 x 1080 at 60 Hz signal up to 150-ft. (45.7 m), or a 1024 x 768 at 60 Hz signal up to 200-ft. (61 m)
- For shorter distances - Use a B140-1P0 passive receiver unit to extend a 1920 x 1080 at 60 Hz signal up to 50 ft., or a 1024 x 768 at 60 Hz signal up to 100-ft. (30.5 m)
- Use 24 AWG Solid Wire Cat5e/6 cable, such as N202-Series, to achieve maximum distance and resolution

### Highlights

- Supports DVI-D Single-Link video resolutions up to 1920 x 1080 @ 60 Hz
- For longer distances - Use a B140-1A0 active receiver unit to extend a 1920 x 1080 @ 60 Hz signal up to 150 ft. (45.72 m), or a 1024 x 768 @ 60 Hz signal up to 200 ft. (61 m)
- For shorter distances - Use a B140-1P0 passive receiver unit to extend a 1920 x 1080 @ 60 Hz signal up to 50 ft. (15.24 m), or a 1024 x 768 @ 60 Hz signal up to 100 ft. (30.5 m)
- Use 24 AWG, Solid Wire Cat5e/6 cable, such as N202-Series, to achieve maximum distance and resolution
- Can further expand the range and number of monitors by adding B140-110 repeaters
- Compatible with all operating systems
- Plug and play, no software or drivers required
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

### System Requirements

#### Package Includes

- B140-004 DVI Over Cat5 Extender/Splitter, 4-Port Local Transmitter Unit
- 1-ft. (0.31 m) DVI daisychain cable
- Mounting hardware
- External Power Supply with NEMA 1-15P Plug (Input: 100-240V, 50/60Hz, 0.5A Output: 5V, 2A)
- Owner's Manual



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- An additional DVI port is provided for the connection of a local monitor. This local DVI port can also be used to daisychain up to 3 units together, allowing for the connection of up to 13 monitors (12 remote, 1 local).
- Further expand the range and number of monitors by using a B140-110 repeater unit
- Add up to four remote units (three repeaters and one active receiver) to each channel of the B140-004, for a total of 4 displays per channel. (An active receiver should be the last unit in a channel)
- A 1920 x 1080 at 60 Hz signal can be extended up to 125-ft. (38.1 m) from each repeater to the next unit in the channel, or a 1024 x 768 at 60 Hz signal can be extended up to 175-ft. (53.3 m)
- HDCP compatible
- Compatible with all operating systems
- Plug and play; no software or drivers required
- Mounting hardware is included that allows the unit to be rack-mounted, wallmounted or pole mounted. In addition, up to three units can be mounted in 1U of rack space using a B132-004-RB 19-inch rack-mount bracket.
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

## Specifications

| OVERVIEW                                       |                                                       |
|------------------------------------------------|-------------------------------------------------------|
| UPC Code                                       | 037332156693                                          |
| Product Type                                   | Splitter; Extender Kit                                |
| Technology                                     | DVI; Cat5/5e; Cat6                                    |
| Host Connector                                 | DVI-I DUAL-LINK (FEMALE) (WIRED TO DVI-D SINGLE-LINK) |
| VIDEO                                          |                                                       |
| Max Supported Video Resolution                 | 1920 x 1080 (1080p) @ 60Hz                            |
| Max 720P Range (ft)                            | 150                                                   |
| Max 1080P Range (ft)                           | 150                                                   |
| Max 1280 x 720 (720p) Range (ft)               | 150                                                   |
| Max 1920 x 1080 (1080p) Range (ft)             | 150                                                   |
| Transmitter Video Input                        | DVI-I                                                 |
| Transmitter - Number of Video Outputs          | 4                                                     |
| Transmitter - Local Display Output             | DVI-I                                                 |
| Range Extension using other Tripp Lite product | 175ft @ 1024 x 768 XGA 125ft @ 1920 x 1080 UXGA       |
| Recommended Cabling                            | N202-Series Cat6 Patch Cable                          |
| Other Tripp Lite product used to extend range  | B140-110                                              |
| HDR Support                                    | No                                                    |
| 3D Video Supported                             | Yes                                                   |
| Maximum Signal Range (ft)                      | 200                                                   |
| Maximum Signal Range (m)                       | 61                                                    |



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|                                              |                                                                                                                                                 |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum Signal Range Details                 | 200 ft @ 1024 x 768 XGA150 ft @ 1920 x 1080 UXGA                                                                                                |
| <b>INPUT</b>                                 |                                                                                                                                                 |
| AC Power Adapter Plug(s)                     | NEMA 1-15P North America                                                                                                                        |
| AC Power Adapter Input Specs (V / Hz / A)    | 100-240V / 50/60Hz / 0.5A                                                                                                                       |
| 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                                                                                                                                              |
| <b>POWER</b>                                 |                                                                                                                                                 |
| Power Source Type                            | AC Adapter                                                                                                                                      |
| AC Plug Type                                 | NEMA 1-15P                                                                                                                                      |
| Power Source                                 | Unit (Included)                                                                                                                                 |
| Power Over Cable (PoC) Support               | No                                                                                                                                              |
| AC Adapter                                   | Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 2A, 5 ft.                                                                                           |
| DC Barrel Plug                               | OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve                                                                                            |
| <b>CONNECTIONS</b>                           |                                                                                                                                                 |
| Number of Ports                              | 4                                                                                                                                               |
| Side A - Connector 1                         | DVI-I DUAL-LINK (FEMALE) (WIRED TO DVI-D SINGLE-LINK)                                                                                           |
| Side B - Connector 1                         | (4) RJ45 (FEMALE)                                                                                                                               |
| Side B - Connector 2                         | DVI-I (FEMALE)                                                                                                                                  |
| Input x Output                               | 1 x 4                                                                                                                                           |
| Daisy-chainable / Cascadable                 | No                                                                                                                                              |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b> |                                                                                                                                                 |
| LED Indicators                               | Red (Power); RJ45: Green (Connection), Orange (Data Transmission)                                                                               |
| <b>PHYSICAL</b>                              |                                                                                                                                                 |
| Color                                        | Black                                                                                                                                           |
| Cable Length (ft.)                           | 0                                                                                                                                               |
| Cable Length (m)                             | 0.00                                                                                                                                            |
| Number of Displays                           | 4                                                                                                                                               |
| Optional Mounting Accessory Notes            | Up to three transmitters local units can be mounted in 1U of rack space using a Tripp Lite B132-004-RB Extender/Splitter 19in rackmount bracket |
| Form Factor/Mounting Options                 | Box; Wall-mount; Rackmount                                                                                                                      |
| Shipping Dimensions (hwd / in.)              | 2.10 x 10.10 x 6.40                                                                                                                             |



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|                                              |                            |
|----------------------------------------------|----------------------------|
| Shipping Dimensions (hwd / cm)               | 5.33 x 25.65 x 16.26       |
| Shipping Weight (lbs.)                       | 1.80                       |
| Shipping Weight (kg)                         | 0.82                       |
| Unit Dimensions (hwd / in.)                  | 0.000 x 0.000 x 0.000      |
| Unit Dimensions (hwd / cm)                   | 2.86 x 12.7 x 10.16        |
| Unit Packaging Type                          | Box                        |
| Unit Weight (lbs.)                           | 0.8                        |
| Unit Weight (kg)                             | 0.36                       |
| Housing                                      | Metal                      |
| Mounting Details                             | Wallmount                  |
| <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                            | 0-85% non-condensing       |
| <b>COMMUNICATIONS</b>                        |                            |
| Max 1024 x 768 Range (ft)                    | 200                        |
| Max 480P Range (ft)                          | 200                        |
| Max 1440 x 900 Range (ft)                    | 150                        |
| Max 1080i Range (ft)                         | 150                        |
| Max 480i Range (ft)                          | 200                        |
| Max 640 x 480 Range (ft)                     | 200                        |
| Max 800 x 600 Range (ft)                     | 200                        |
| Max 1600 x 1200 Range (ft)                   | 150                        |
| EDID Compatible                              | Yes                        |
| IR Remote Extension Support                  | No                         |
| RS-232 Serial Extension Support              | No                         |
| Consumer Electronics Control (CEC) Supported | Yes                        |
| USB Extension Support                        | No                         |
| <b>FEATURES &amp; SPECIFICATIONS</b>         |                            |
| 10/100 Ethernet Extension Support            | No                         |
| MST Support                                  | No                         |
| Built-In Equalizer                           | No                         |
| Driver Required                              | No                         |



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| STANDARDS & COMPLIANCE               |                                                    |
|--------------------------------------|----------------------------------------------------|
| External Power Supply Certifications | FCC; PSE; TUV; UL; cUL                             |
| Product Compliance                   | RoHS; REACH; FCC (USA); Trade Agreements Act (TAA) |
| WARRANTY & SUPPORT                   |                                                    |
| Product Warranty Period (Worldwide)  | 1-year limited warranty                            |

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