

## 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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