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-ft. (60.96 m) away using a single Cat5e/6 patch cable. To achieve maximum distance and resolution, use 24AWG Solid Wire Cat5e/6 cable (Tripp Lite's N202-Series). 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). Mounting hardware is included that allows the unit to be rackmounted, wallmounted or pole mounted. In addition, up to three units can be mounted in 1U of rack space using a Tripp Lite B132-004-RB 19" rackmount 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 Tripp Lite P561-Series DVI cable (not included). Connect a Tripp Lite B140-series receiver (not included) to each display using a Tripp Lite 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 @ 60Hz signal up to 150-ft. (45.72 m), or a 1024 x 768 @ 60Hz signal up to 200-ft. (60.96 m).

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

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 @ 60Hz 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 @ 60Hz signal can be extended up to 175-ft. (53.34 m)

Features

- Transmit a DVI-D Single-Link signal to four monitors up to 200-ft. (60.96 m) away using a single Cat5e/6 patch cable

- Supports DVI-D Single-Link video resolutions up to 1920 x 1080 @ 60Hz

- For longer distances - Use a B140-1A0 active receiver unit to extend a 1920 x 1080 @ 60Hz signal up to 150-ft. (45.72 m), or a 1024 x 768 @ 60Hz signal up to 200-ft. (60.96 m)

- For shorter distances - Use a B140-1P0 passive receiver unit to extend a 1920 x 1080 @ 60Hz signal up to 50 ft., or a 1024 x 768 @ 60Hz signal up to 100-ft. (30.5 m)

Highlights

- Supports DVI-D Single-Link video resolutions up to 1920 x 1080 @ 60Hz

- For longer distances - Use a B140-1A0 active receiver unit to extend a 1920 x 1080 @ 60Hz signal up to 150-ft. (45.72 m), or a 1024 x 768 @ 60Hz signal up to 200-ft. (60.96 m)

- For shorter distances - Use a B140-1P0 passive receiver unit to extend a 1920 x 1080 @ 60Hz signal up to 50-ft. (15.24 m), or a 1024 x 768 @ 60Hz signal up to 100-ft. (30.5 m)

- Use 24AWG, Solid Wire Cat5e/6 cable, such as Tripp Lite's 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

- Use 24AWG, Solid Wire Cat5e/6 cable, such as Tripp Lite's N202-Series, to achieve maximum distance and resolution

- 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 @ 60Hz 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 @ 60Hz signal can be extended up to 175-ft. (53.34 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 rackmounted, wallmounted or pole mounted. In addition, up to three units can be mounted in 1U of rack space using a Tripp Lite B132-004-RB 19" rackmount bracket.

- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Specifications

OVERVIEW	
UPC Code	037332156693
Product Type	Transceiver
Technology	DVI; Cat5/5e; Cat6

VIDEO	
Max Supported Video Resolution	1920x1080 (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
Maximum Signal Range Details	200 ft @ 1024 x 768 XGA150 ft @ 1920 x 1080 UXGA
INPUT	
Bus Powered	No
POWER	
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.
External Power Supply Input Specs (V / Hz / A)	100-240V / 50-60Hz / 0.5A
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
DC Barrel Plug	OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	Red (Power); RJ45: Green (Connection), Orange (Data Transmission)
PHYSICAL	
Color	Black
Included Mounting Accessories	Wallmount
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 / cm)	5.33 x 25.65 x 16.26
Shipping Dimensions (hwd / in.)	2.10 x 10.10 x 6.40
Shipping Weight (kg)	0.82
Shipping Weight (lbs.)	1.80
Unit Dimensions (hwd / in.)	3.94 x 5.04 x 1.17
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

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	
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

CONNECTIONS	
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)

FEATURES & SPECIFICATIONS	
Driver Required	No
10/100 Ethernet Extension Support	No
Built-In Equalizer	No

STANDARDS & COMPLIANCE	

External Power Supply Certifications	FCC; PSE; TUV; UL; cUL
Product Compliance	RoHS; REACH; FCC (USA)
WARRANTY	
Product Warranty Period (Worldwide)	1-year limited warranty