



70m Cat.6A HDMI 4K60 & Type C HDBaseT 3.0 KVM Extender

No.: 38346

Extends Type C with 60W PD or HDMI® and USB signals up to 70m via HDBaseT

Description

- Sends uncompressed HDMI® resolutions up to 70m over Cat.6A network cable via HDBaseT 3.0 technology
- Supports HDMI® 18G resolutions up to 4K@60Hz 4:4:4, with additional support for HDR
- Type C input supporting DisplayPort Alternate mode, USB 2.0 and 60W charging power
- Supports USB 2.0, de-embedded Audio, RS-232, bi-directional IR and PoC (Power over Cable)
- 2 year warranty

The Lindy Cat.6A HDMI® 4K60 & Type C HDBaseT 3.0 KVM Extender is a high performance, reliable solution for extending AV and data signals over long distances via Cat.6A network cable.

The following distance and resolution combinations are possible when using high quality Cat.6A or above U/UTP or F/UTP cable:

40m: 3840x2160@60Hz 4:4:4 8bit / 4:2:2 12bit

70m: 3840x2160@30Hz 4:4:4 8bit / 4:2:2 12bit

Supporting uncompressed resolutions up to 4K Ultra HD, video can be viewed in stunning clarity, while additional support for HDR (High Dynamic Range) allows content to be displayed with enhanced brightness, greater contrasts of blacks and whites and a much wider colour gamut. 4K to 1080p downscaling function is also supported on HDMI output.

The user can connect a Type C or HDMI® [with USB] input port in order to control any source such as a PC or Laptop, the Type C port supports also 60W power delivery provided directly from the Transmitter just connecting the included power supply. Switching between the 2 inputs is possible pushing the button on the transmitter unit, auto switch feature is also supported.

PoC (Power over Cable) functionality with On/Off switch provides additional flexibility. This allows power to be supplied alongside data through Cat.6A network cable in a point to point connection between the transmitter and receiver, meaning only a single power supply is required at one side of the installation.

Featuring 3.5mm Analog Audio outputs with de-embedding function to connect speakers or amplifier on both units, EDID DIP switch with presets and copy function on the transmitter.

Bi-directional IR ports at both sides of the setup, the source equipment can be easily controlled from the display side, and the display can also be controlled from the HDMI source side. This extender allows for complete control for the user providing APIs over RS-232 or USB Micro B ports.

HDBaset is a globally recognised standard for high quality distribution of AV content and other technologies, including

power and control, over longer distances via low cost Cat.6 or above cable.

HDBaseT Trade Mark and the HDBaseT Alliance logo are trademarks of the HDBaseT Alliance.

Please Note: the quoted lengths and resolutions are possible with a direct connection between Transmitter and Receiver using good quality Cat.6A or above cable. Using a different cable type, introducing couplers or patch panels may result in a reduction of possible distances.

Technical details

Specifications

AV Interface: HDMI®, Type C
Interface Standard: HDMI® 2.0, USB 2.0
Supported Bandwidth: HDMI® 18Gbps
Maximum Distance:
- 40m (131.23ft) - 3840x2160@60Hz 4:4:4 8bit
- 70m (229.66ft) - 3840x2160@30Hz 4:4:4 8bit / 4:2:2 12bit
Maximum Resolution: 3840x2160@60Hz 4:4:4 8bit
HDCP Support: 2.3
EDID Pass Through: Dip-switch with presets and copy function
Supported Audio: Pass Through
Separate Audio Ports: 3.5mm
IR Support: 20 - 60KHz
CEC Support: Pass Through
Serial Interface: RS-232 Pass Through
Transmission Protocol: HDBaseT 3.0
Transmission Medium: Cat.6A
Laser Class (only for Fibre): -
Wavelength (only for Fibre): -
Chipset: VS300R
Special Features: APIs, 60W PD on Type C port, Bi-directional IR, PoC (Power over Cable) with On/Off switch, Audio de-embedded, 4K to 1080p downscaling

Connectors

Transmitter Input: HDMI® Type A (Female), USB Type C (Female), USB Type B (Female), 3.5mm IR (Female)
Transmitter Output: RJ-45 (Female), 3.5mm IR (Female), 3.5mm Audio (Female), 3x USB Type A (Female)
Receiver Input: RJ-45 (Female), 3.5mm IR (Female)
Receiver Output: HDMI® Type A (Female), 3.5mm IR (Female), 3.5mm Audio (Female), 2x USB Type A (Female)
Control Ports: USB Micro B (Female), RS-232 3-Pin Terminal Block
Power: 5.5/2.1mm

Physical Properties

Dimensions (approx.) WxDxH:
Tx: 170x102x22mm (6.69x4.02x0.87in)
Rx: 144x78x23mm (5.67x3.07x0.91in)
Housing Material: Metal
Net Weight: 1.9Kg (4.19lb)
Operating Temperature: 0°C - 40°C (32°F - 104°F)
Storage Temperature: -20°C - 60°C (-4°F - 140°F)
Humidity: 20 - 90% RH (non-condensing)
Power Requirements: 24VDC 3.75A
Colour: Black

Miscellaneous

Packaging Type: Carton Box
Packaging Dimensions: 290x75x220mm (11.42x2.95x8.66in)
Gross Weight: 2.18Kg (4.81lb)
Warranty (Years): 2
Product Compliance: CE, UKCA, FCC, RoHS, REACH & California Proposition 65

Package Contents

Transmitter
Receiver
Multi-country Power Supply (UK, EU, US & AUS)
IR Emitter Cable, 1.5m
IR Receiver Cable, 1.5m
4 x Mounting Ears & 8 x Screws
2x 3-Pin Terminal Block
Lindy Manual

Purchasing Information

No.: 38346
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