



300m/1000m Fibre Optic HDMI 4K60, IR, RS232 & Audio Extender

No.: 38174

Extend 4K@60Hz signals up to 300m or 1000m over fibre optic cabling

Description

- Extends HDMI® 18G signals up to 300m over a simplex LC multimode cable or up to 1000m over a simplex LC singlemode cable
- Supports resolutions up to 4K 60Hz Ultra HD, with High Dynamic Range
- Bi-directional IR or RS-232 for seamless, flexible control
- HDCP 2.2 support to ensure maximum compatibility
- 2 year warranty

The Lindy 300m/1000m Fibre Optic HDMI® & IR Extender is a high performance solution for extending 4K 60Hz Ultra HD transmissions over incredible distances, which are not possible with traditional copper based systems, using a single standard LC simplex fibre optic cable.

Support for the HDMI® 2.0 specification allows for the transmission of highly detailed 4K Ultra HD resolutions, using smart methods of compression, which decompresses the signal at the receiver for a visually lossless picture. Also providing support for High-Dynamic Range, video content can be seen with enhanced brightness, greater contrasts and a much wider colour gamut, perfect for creating eye-catching digital signage in retail, impressive residential installations or taking sports venue distribution to new immersive levels. HDCP 2.2 compatibility also means that protected 4K content including movies and TV shows can be viewed without issue.

As opposed to the use of copper based extension systems, the use of fibre optic cable also ensures immunity to RF and EMI, providing a stable signal in _noisy_ retail or industrial environments which can have a high interference from electronics.

With the ability to extend signals up to 1000m the extender provides huge installation flexibility, the transmitter can be easily connected to a variety of HDMI® source devices such as Blu-Ray players, 4K HDR media players or PC's in a convenient location, while the receiver can be placed in a suitable viewing area along with a 4K display or projector. The included mounting brackets also allow for a neat installation under desks or discreetly hidden behind displays.

Featuring bi-directional IR and RS-232 ports, the extender provides the capability for source equipment to be seamlessly controlled from the display side, and the display can also be controlled from the HDMI® source device, great for providing simple, flexible control over the installation for the user. The support for RS-232 enables the extension of control signals as part of a larger installation.

The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

Technical details

Specifications

AV Interface: HDMI®
Interface Standard: 2.0
Supported Bandwidth: 18Gbps
Maximum Distance:
 300m (984.24ft) (Multimode 50/125µm fiber)
 1000m (3280.2ft) (Singlemode 9/125µm fiber)
Maximum Resolution: 3840x2160@60Hz 4:4:4 8bit
HDCP Support: Pass-through
EDID Pass Through: Pass-through
Supported Audio: Pass-through
Separate Audio Ports: 3.5mm
IR Support: 20KHz _ 60KHz
CEC Support: -
Serial Interface: RS-232 (Bi-directional)
Transmission Protocol: -
Transmission Medium: 1 x Simplex LC
Laser Class (only for Fibre): 1
Wavelength (only for Fibre): 1310 and 1550nm (with supplied SFP+ module)
Chipset: SD1503/SD1513
Special Features: Auto Laser Disabling Function

Connectors

Transmitter Input: HDMI® Type A (Female), 3.5mm Audio (Female)
Transmitter Output: Simplex LC, HDMI Type A (Female)
Receiver Input: Simplex LC
Receiver Output: HDMI® Type A (Female), 3.5mm Audio (Female)
Bidirectional Ports: RS232 (Terminal Blocks), IR (Female)
Power: 5.5/2.5mm DC Socket

Physical Properties

Dimensions (approx.) WxDxH: 100x65x25.6mm (3.94x2.56x1.01in)
Housing Material: Metal
Net Weight: 0.516kg (1.14lb)
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: 5VDC 1A
Colour: Black

Miscellaneous

Packaging Type: Carton box
Packaging Dimensions: 250x55x185mm (9.84x2.17x7.28in)
Gross Weight: 0.918kg (2.02lb)
Warranty (Years): 2
Product Compliance: CE, UKCA, FCC, RoHS, REACH & California Proposition 65

Package Contents

Transmitter unit
Receiver unit
2 x Multi-Country Power Supply (EU, UK, US & AUS)
2 x Fibre SFP+ Modules
2 x Terminal Blocks
2 x IR Emitter Cable
2 x IR Receiver Cable
Lindy Manual

Purchasing Information

No.: 38174
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