



50m Cat.6 HDMI 2.0 18G & IR Extender with PoC

No.: 38169

Amplify HDMI 2.0 & IR signals over 50m via Cat.6 cable

Description

- Extends 4K HDMI 2.0 18G signals over 50m distances with standard network cable
- Supports resolutions up to 3840x2160@60Hz 4:4:4 8bit, with additional support for HDR
- PoC functionality for power from a single power supply
- Bi-directional IR support at 20-60KHz
- 2 year warranty

The Lindy Cat.6 HDMI 2.0 18G & IR Extender with PoC is an effective, reliable solution for extending high quality 4K HDMI signals over distances up to 50m (164.04ft) with standard Cat.5e/6 network cable. Support for the HDMI 2.0 18G specification allows for the transmission of highly detailed 4K Ultra HD resolutions without any compression, and with additional support for High-Dynamic Range, video content can be seen with enhanced brightness, greater contrasts of blacks and whites and a much wider colour gamut, perfect for a true home cinema experience or eye-catching digital signage in retail settings. HDCP 2.2 compatibility also means 4K content including movies, TV shows and video advertising can be viewed with no issues when connected to the source device. This extender also supports lossless audio formats including Dolby TrueHD and DTS-HD to add powerful multi-channel sound to video content, providing an enhanced experience and sense of realism for the viewer.

With the ability to extend signals up to 50m using the two included units, the transmitter can be easily connected to a variety of HDMI source devices such as Blu-Ray players, 4K HDR media players or games consoles in a more convenient location, while the receiver can be placed in the suitable viewing area with the 4K TV or monitor, ensuring there is no distraction from the display from bulky source devices. This versatility provides a suitable system for use in various scenarios such as educational presentations, home cinemas or tradeshows. PoC (Power over Cable) functionality, the supply of power and data signals over Cat.6 cable on a point to point connection between the transmitter and receiver also brings additional flexibility as only one power supply is required at the transmitter unit, ideal when power outlets are limited at the receiver end of the installation.

Featuring bi-directional IR ports at both sides of the setup, the source equipment can be seamlessly controlled from the display side, and the display can also be controlled from the HDMI source device. Combined with CEC control, which allows commands from one main remote, this extension system allows for complete and simple control for the user. The extenders built-in EDID function ensures maximum compatibility with the display or projector at the receiver, further enhancing this systems focus on providing high quality 4K HDMI content over distances easily and with minimum hassle for the user.

Please note: this product is not to be used on a live network, only on a point to point connection

Technical details

Specifications

- AV Interface: HDMI
- Interface Standard: HDMI 2.0
- Supported Bandwidth: 18Gbps
- Maximum Distance: 50m (164.04ft) – CAT6/7, 30m (98.42ft)– CAT5e
- Maximum Resolution: 3840x2160@60Hz 4:4:4 8bit
- HDCP Support: Pass-through
- EDID Pass Through: Pass-through
- Supported Audio: Up to 7.1 (Pass-through)
- Separate Audio Ports: -
- IR Support: 20-60KHz
- CEC Support: Pass-through
- Serial Interface: -
- Transmission Protocol: -
- Transmission Medium: 1 x CAT5e/6
- Laser Class (only for Fibre): -
- Wavelength (only for Fibre): -
- Chipset: Maxim 3815A
- Special Features:
 - PoC (Power over CAT.6)
 - Bi-directional IR

Connectors

- Transmitter Input: HDMI (Female), IR (Female)
- Transmitter Output: RJ45 (Female), IR (Female)
- Receiver Input: RJ45 (Female), IR (Female)
- Receiver Output: HDMI (Female), IR (Female)
- Bidirectional Ports: -
- Power: 5.5/2.1mm

Physical Properties

- Dimensions (approx.) WxDxH:
 - Transmitter: 68.5x82.6x19mm (2.7x3.25x0.75in)
 - Receiver: 68.5x82.6x19mm (2.7x3.25x0.75in)
- Housing Material: Metal
- Net Weight:
 - Transmitter: 0.14kg (0.31lb)
 - Receiver: 0.14kg (0.31lb)
- Operating Temperature: 0°C - 45°C (32°F - 113°F)
- Storage Temperature: -20°C - 85°C (-4°F - 185°F)
- Humidity: 0-55% RH (non-condensing)
- Power Requirements: 12VDC 2A
- Colour: Black

Miscellaneous

- Packaging Type: Carton Box
- Packaging Dimensions:
- Gross Weight: 0.75kg (1.65lb)
- Warranty (Years): 2
- Certificated: CE, FCC, RoHS & REACH

Package Contents

- Transmitter Unit
- Receiver Unit
- Multi-country Power Supply (UK, EU, US & AUS)
- 2 x IR Transmitter
- 2 x IR Receiver
- Lindy Manual

Purchasing Information

- No.: 38169
- EAN: 4002888381697