70m Cat.6 4x4 HDMI 4K60 & IR Matrix Extender
No.: 38328

Extend 4K@60Hz resolutions from 4 sources to 4 included receivers

Description

- Distribute 4K HDMI® signals to up to 4 displays in multiple locations from 4 different sources
- Supports resolutions up to 4K@60Hz, with additional support for HDR
- Features 4 HDMI® outputs on the transmitter for local monitoring, which run simultaneously with the extension output
- Supports Power over Cable (PoC) to the receivers, only a single power supply is required for operation
- 2-year warranty

The Lindy 70m Cat.6 4x4 HDMI® 4K60 Matrix Extender is a high-perfomance, professional solution for distribution of 4K HDMI® signals to multiple displays using standard Cat.6 network cables from 4 separate HDMI ® sources.

Professional HDMI® Content Distribution

This 4x4 matrix allows for the distribution of HDMI® content to 4 separate locations, using the included receivers, at up to 70m in distance, perfect for splitting or switching content to various displays in sports bars, events or residential home cinemas. Each Cat.6 extension output also has a simultaneous HDMI® output for local monitoring for each zone, or for a larger install with closely located displays. Each port also support simple independent downscaling to 1920x1080, for consistently ensuring peak performance on a variety of displays. Professional EDID management ensures maximum compatibility with both the source devices and displays.

The following distance and resolution combinations are supported:
- 70m with Cat.6 cable: 1920x1080@60Hz 4:4:4 8bit, 3D@1920x1080
- 40m with Cat.6A cable: 3840x2160@60Hz 4:4:4 8bit / 4:2:2 12bit

Eye-Catching 4K and HDR Support

With support for resolutions up to 3840x2160@60Hz, this matrix provides exceptional clarity of high-quality video, including movies, sports, games, or live monitoring. HDR support ensures a much wider colour gamut is supported, alongside higher peak brightnesses and deeper blacks for an enhanced dynamic contrast. This provides an engaging visual experience for the viewer in a variety of different applications including home cinema installations, larger distribution in educational buildings or commercial advertising and displays.

Flexible Control

The included IR cables allow for simple control via an IR remote from any of the receiver locations, removing the need to be situated at the source side on the setup, while push buttons on the main unit provide easy control at the transmitter side. RS-232 and Ethernet connections also provide the ability for integration into larger control systems. An in-built Web-Gui also ensures very simple management using a connected PC.

Simultaneous PoC Distribution

The Cat.6 HDMI® 18G Matrix also supports PoC (Power over cable) allowing for power to be distributed alongside audio and video over the cat.6 cabling. This allows for only one power source being required at the transmitter side, ensuring a minimalist and time-saving setup at the receiver locations.

Please Note: The quoted resolutions are possible with a direct connection between transmitter and receiver using good quality Cat.6 solid core cable. Using a different cable type, introducing wall plates, couplers or patch panels will result in a reduction of maximum distances.

Technical details

Specifications
AV Interface: HDMI®
Interface Standard: HDMI® 2.0
Supported Bandwidth: 18Gbps
Maximum Distance: 70m (229.66ft)
Maximum Resolution: 3840x2160@60Hz 4:4:4 8bit
HDCP Support: 2.2
EDID Pass Through: EDID Management: Pre-set or Copy Functionality
Supported Audio: HDMI® Audio Pass-through
Separate Audio Ports: -
IR Support: 20~60KHz
CEC Support: Pass-through
Serial Interface: RS-232
Transmission Protocol: -
Transmission Medium: 1 x Cat.6 each port
Laser Class (only for Fibre): -
Wavelength (only for Fibre): -
Chipset: GSV
Special Features: RS-232 & Telnet Control, Mirrored HDMI® Outputs, Power over Cable, 4K to 1080 Downscaling Per Port

Connectors
Transmitter Input: 4 x HDMI® Type A (Female)
Transmitter Output: 4 x HDMI® Type A (Female), 4 x RJ-45 (Female), 4 x 3.5mm IR (Female), RJ-45 LAN Control (Female), 3-Pin Phoenix Connector (Female)
Receiver Input: RJ-45 (Female), 3.5mm IR (Female)
Receiver Output: HDMI® Type A (Female)
Bi-directional Ports: -
Power: 5.5/2.1mm

Physical Properties
Dimensions (approx.) WxDxH: Matrix Extender: 320x100x36mm (12.6x3.94x1.42in), Receiver: 61x88x18mm (2.4x3.46x0.71in)
Housing Material: Metal
Net Weight: Matrix Extender: 0.95kg (2.09lb), Receiver: 0.14kg (0.31lb)
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: 12VDC 2.5A
Colour: Black

Miscellaneous
Packaging Type: Carton Box
Packaging Dimensions: 393x88x271mm (15.47x3.46x10.67in)
Gross Weight: 2.58kg (5.69lb)
Warranty (Years): 2
Product Compliance: CE, UKCA, FCC, RoHS, REACH & California Proposition 65

Package Contents
70m Cat.6 4x4 HDMI® 4K60 Matrix Extender
4 x Cat.6 HDMI® Receiver
Multi-country Power Supply (UK, EU, US & AUS)
IR Remote with CR2025 Battery
4 x IR Emitter Cable, 1.5m
4 x Receiver Cable, 1.5m
RS-232 Male to Female Cable, 1.5m
3-Pin Phoenix Connector
10 x Mounting Ears
Lindy Manual

Purchasing Information
No.: 38328
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