

Part No. 38344

100M CAT.6 HDMI 4K60, AUDIO, IR & RS-232 HDBASET 3.0 KVM

EXTENDER

EXTEND UNCOMPRESSED HDMI SIGNALS UP TO 100M VIA HDBASET



DESCRIPTION

Distributes HDMI resolutions up to 100m over Cat.6 network cable via HDBaseT technology
 Supports HDMI 18G resolutions up to 4K@60Hz 4:4:4, with additional support for HDR
 ARC/eARC Support as well as USB, RS-232, CEC & Ethernet pass-through & bi-directional IR for simple control
 Supports PoC (Power over cable), requiring a power supply connection from only one side of the installation
 2 year warranty

The Lindy 100m Cat.6 HDMI 4K60, Audio, IR & RS-232 HDBaseT KVM Extender is a complete end to end high performance, reliable solution for extending uncompressed HDMI signals over long distances via Cat.6 network cable.

The following distance and resolution combinations are possible when using high quality Cat.6 U/UTP or F/UTP cable:
 100m: 3840x2160@60Hz 4:4:4 8bit / 4:2:2 12bit

Supporting 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. This provides a reliable solution for creating eye-catching digital signage in retail, immersive displays at events or engaging setups in larger conference rooms or lectures halls.

An HDMI loop-out port on the transmitter allows an additional local display to be connected to the source side of the installation.

ARC and eARC support over HDMI allows for audio content to be returned from the display to a connected amplifier or soundbar, while local audio extraction allows for the connection of audio outputs for immersive multi-channel audio. Audio embedding or de-embedding at the transmitter side can easily be switched via the push button on the main unit while it supports audio de-embedding at the receiver side to connect an audio source.

PoC (Power over Cable) functionality provides additional flexibility. This allows power to be supplied alongside data through Cat.6 network cable in a point-to-point connection between the transmitter and receiver, meaning only a single power supply is required at the transmitter unit. Ideal when power outlets are limited at the receiver end of the installation.

USB 2.0 ports allow for mouse, keyboard, and other devices to be connected to both units to control a source device such as a PC or laptop from each side of the installation. Featuring 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. Combined with CEC control, which allows commands from one main remote, this extension system allows for complete and simple control for the user. Bi-directional RS-232 and Ethernet ports also allow for integration into larger control systems, or connection to network switches and hubs with LAN access.

In addition, the power supply is connected via a screw type DC jack, providing a more secure and reliable connection, perfect for professional installations where accidental disconnections could create a major issue.

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.

RELATED PRODUCTS

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100M CAT.6 HDMI 4K60, AUDIO, IR & RS-232 HDBASET 3.0 KVM EXTENDER

SPECIFICATIONS

AV Interface	HDMI
Interface Standard	HDMI 2.0, USB 2.0
Supported Bandwidth	18 Gbps
Maximum Distance	100m (328.08ft)
Maximum Resolution	3840x2160@60Hz 4:4:4 8bit
HDCP Support	2.3
EDID Pass Through	Pass-through
Supported Audio	HDMI Audio Pass-through TosLink (Optical) Up to 5.1Ch 3.5mm Up to 2.0Ch
Separate Audio Ports	TosLink (Optical)
IR Support	20 - 60KHz
CEC Support	Pass-through
Serial Interface	RS-232
Transmission Protocol	HDBaseT 3.0
Transmission Medium	1 x Cat.6
Laser Class (only for Fibre)	-
Wavelength (only for Fibre)	-
Chipset	VS3000
Special Features	HDMI Loop Out Port USB Host/Device on each unit PoC (Power over Cat.6) ARC/eARC and Audio embedding/de-embedding

PHYSICAL PROPERTIES

Dimensions (approx.) WxDxH	170x88x20mm (6.69x3.46x0.79in) per unit
Housing Material	Metal
Net Weight	0.862kg (1.9lb)
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 1A
Colour	Black

CONNECTORS

Transmitter Input	HDMI Type A (Female) USB Type B (Female) 3.5mm IR (Female)
Transmitter Output	HDMI Type A (Female) RJ-45 (Female) TosLink (Optical) (Female) 3.5mm Audio (Female)
Transmitter Bi-directional Port	3.5mm Audio (Female) RS-232 3-Pin Terminal Block RJ-45 Ethernet (Female)
Receiver Input	RJ-45 (Female) USB Type B (Female) TosLink (Optical) (Female) 3.5mm IR (Female)
Receiver Output	HDMI Type A (Female) 2 x USB Type A (Female) 3.5mm Audio (Female) 3.5mm IR (Female)
Receiver Bi-directional Ports	RS-232 3-Pin Terminal Block RJ-45 Ethernet (Female)
Power	5.5/2.1mm

MISCELLANEOUS

Packaging Type	Carton Box
Packaging Dimension	290x75x220mm (11.42x2.95x8.66in)
Gross Weight	1.101kg (2.43lb)
Warranty (Years)	2
Certificated	CE, UKCA, FCC, RoHS, REACH & California Proposition 65

PURCHASING INFORMATION

No.	38344
EAN	4002888383448

PACKAGING CONTENTS

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