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# 100M CAT.6 HDMI 4K60 HDBASET KVM EXTENDER

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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 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: 1920x1080@60Hz 4:4:4 8bit
70m: 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.

ARC 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. Digital audio embedding at the receiver side can also be used for source audio, which can easily be switching via the push button on the main unit.

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 the receiver to control a source device such as a PC or laptop. 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.

HDBaseT and the HDBaseT Alliance logo are trademarks of the HDBaseT Alliance.able. Using a different cable type, introducing wall plates, couplers or patch panels will result in a reduction of possible distances.

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.

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## PRODUCT DETAILS

### KEY FEATURES

- 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 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

### SPECIFICATIONS

| | |
|---|---|
| **AV Interface** | HDMI® |
| **Interface Standard** | 2.0, USB 2.0 |
| **Supported Bandwidth** | 18Gbps |
| **Maximum Distance** | 70m (229.66ft) - 3840x2160@60Hz 4:4:4 8bit; 100m (328.08ft) - 1920x1080@60Hz |
| **Maximum Resolution** | 3840x2160@60Hz 4:4:4 8bit |
| **HDCP Support** | 2.2 |
| **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), 3.5mm |
| **IR Support** | 20 - 60KHz |
| **CEC Support** | Pass-through |
| **Serial Interface** | RS-232 |

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| | |
|---|---|
| **Transmission Protocol** | HDBaseT |
| **Transmission Medium** | 1 x Cat.6 |
| **Chipset** | VS2310TX-A1 |
| **Special Features** | HDMI® Loop Out Port, PoC (Power over Cat.6), ARC Support |
| **Transmitter Input** | HDMI® Type A (Female), USB Type B (Female), 3.5mm IR (Female) |
| **Transmitter Output** | RJ-45 (Female), TosLink (Optical) (Female), 3.5mm Audio (Female), 3.5mm IR (Female) |
| **Receiver Input** | RJ-45 (Female), Toslink (Optical) (Female), 3.5mm IR (Female) |
| **Receiver Output** | HDMI® Type A (Female), 2 x USB Type A (Female), 3.5mm IR (Female) |
| **Bi-directional Ports** | RS-232 3-Pin Terminal Block, RJ-45 Ethernet (Female) |
| **Power** | 5.5/2.1mm |
| **Dimensions (approx.) WxDxH** | 165x88x20mm (6.5x3.46x0.79in) per unit |
| **Housing Material** | Metal |
| **Net Weight** | 0.335kg (0.74lb) |
| **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 |
| **Unit** | Transmitter and Receiver |

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