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HDBASET CAT.6 HDMI 4K30 EXTENDER WITH IR AND RS-232, POC, 70 M

This HDBaseT Cat.6 HDMI® & IR Extender with PoC is a point-to-point solution for extending HDMI® signals over long distances using a Cat.6 network cable.

It supports the following distances and resolutions when using a high-quality solid-core Cat.6 U/UTP or F/UTP cable:

70 m: 1920x1080 @60Hz, 4:4:4, 8-bit

40 m: 3840x2160 @30Hz, 4:4:4, 8-bit

Support for Ultra HD resolutions up to 4K enables high-quality signal transmission, making it ideal for professional AV installations, home theater, digital signage, public events, and conference rooms. The Power over Cat.6 (PoC) function allows a single power supply to be connected to either the transmitter or the receiver, ensuring maximum installation flexibility. Power is then delivered through the network cable itself. The power supply connects via a DC connector with a screw-lock mechanism to prevent accidental disconnection.

Bidirectional IR ports on both units allow easy control of both the source and the display using their respective remote controls. Combined with the CEC function, which enables all commands to be sent from a single main remote, this extender provides a simple and complete control system. The RS-232 interface allows integration with existing control systems within the installation.

HDBaseT technology is a globally recognized high-quality standard for distributing AV content, control signals, and power over long distances via a Cat.6 or higher network cable. HDBaseT and the HDBaseT Alliance logo are registered trademarks of the HDBaseT Alliance.

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

Extends an HDMI® signal up to 70 m over a Cat.6 network cable

Supports HDMI® 10.2G resolutions up to 4K@30Hz 4:4:4

CEC pass-through and bidirectional IR

PoC (Power over Cable) support, requiring only one power supply connected to either the transmitter or the receiver

2-year warranty

SPECIFICATIONS

AV Interface	HDMI®
Interface Standard	1.4
Supported Bandwidth	10.2 Gbps
Maximum Distance	70 m (229.66 ft)
Maximum Resolution	3840×2160 @30Hz, 4:4:4, 8-bit
HDCP Support	Pass-through
EDID Pass-Through	Pass-through
Audio	Pass-through
IR Support	20–60 kHz
CEC Support	Pass-through
Serial Interface	RS-232
Transmission Protocol	HDBaseT

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Transmission Medium	1 x Cat.5e/6
Chipset	VS010
Special Features	PoC (Power over Cat.6)
Transmitter Inputs	HDMI® (Female), IR (Female)
Transmitter Outputs	RJ45 (Female), IR (Female)
Receiver Inputs	RJ45 (Female), IR (Female)
Receiver Outputs	HDMI® (Female), IR (Female)
Bidirectional Ports	RS-232
Power Input	DC 5.5/2.1 mm
Dimensions (WxDxH)	65 x 115 x 17 mm (2.56 x 4.53 x 0.67 in) per unit
Material	Metal
Net Weight	0.2 kg (0.44 lb) per unit
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 Consumption	24V DC, 1A
Color	Black
Unit	Transmitter Unit and Receiver Unit