

HDBaseT™ PRO EXTENDER KIT



OVERVIEW

This high specification transmit and receive pair can extend HDMI up to 100 meters using a single Cat5e or Cat6 cable (4K/UHD signals up to 70m and 'standard' HD and 3D signals up to 100m). The neo Pro Extender Set supports some HDMI 2.0a timings, including High Dynamic Range (HDR), PoH (Power over HDBaseT) and also enables bi-directional IR signals for simple and plug and play point to point control.

For those of you looking for added control routing other than the useful bi-directional IR, the Pro extender set also supports bi-directional RS232 for further control of displays or AV receivers etc. Being also a Pro series extender they also support Ethernet connectivity too - which is handy for those situations where an extra dedicated LAN cable is not present, or if you just want to maximise your connectivity options of certain projects.

KEY FEATURES

- Extend 4K up to 70 Meters and 1080p to 100 Meters over Cat5e/6/7
- Ultra HD 4K Video Transmission (upto 340Mhz), 1080p, 3D
- HDBaseT Class A
- Supports HDCP 2.2
- Bi-Directional IR Control and RS232
- Ethernet 10/100 Connection
- Automatic EDID Management

TECHNICAL DATA

Dimensions (WxHxD):	11.2cm / 3.2cm / 8.5cm
Weight:	Transmitter 331g Receiver 344g
Material:	Smooth textured powder coated steel
Operating Temperature Range:	0 to +40°C (32 to +104°F)
Operating Humidity Range:	20 to 90% RH (no condensation)
Power Supply:	1 x 48V (RX only)
Power Consumption:	Transmitter 3W Receiver 5.5W
Video Input:	Transmitter 1 X HDMI Receiver 1 X HDBaseT Class A (Pro)
Video Output:	Transmitter 1 X HDBaseT Class A (Pro) Receiver 1 X HDMI
Color Supported:	4K/24bit, 1080p/36bit
Max Video Bandwidth:	300MHz/10.2Gbps
Encryption:	HDCP 1.4 and HDCP 2.2
Supported Video Resolutions:	1080i, 1080p (30Hz), 1080p (60Hz), 3D (60Hz), 4K (30Hz) 4:4:4, 4K (60Hz) 4:2:0, 720p, UHD (30Hz) 4:4:4, 720i, 3D 1080i (50Hz), UHD (30Hz) 4:4:4, UHD/24 4:2:2 10bit
Supported Audio Formats:	Dolby Digital 5.1 , Dolby Digital EX 6.1 , Dolby Digital Plus 7.1 , Dolby TrueHD 5.1, Dolby Digital 2.0 , Dolby Digital 2.0, Dolby Digital 5.1, Dolby Digital EX 6.1, Dolby Digital Plus 7.1, Dolby TrueHD 5.1, Dolby TrueHD 7.1, DTS 5.1, DTS-HD Master 5.1, DTS-HD Master 7.1, DTS 96/24 5.1, DTS-ES Discrete 6.1, DTS-ES Matrix 6.1, LPCM 2.0, LPCM 5.1, LPCM 6.1, LPCM 7.1, PCM 2.0, Dolby Atmos 5.1.2, Dolby Atmos 5.1.4, Dolby Atmos 7.1.2, Dolby Atmos 7.1.4, Dolby Atmos 9.1.2
ESD (Lightning) Protection:	± 8kV (Air-gap discharge) ± 4 kV (Contact discharge)
Certification:	CE, FCC, RoHS

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neo:Pro Receiver



neo:Pro Transmitter



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