



## 4Konnect 4K-810

Flexible and cost effective HDMI extender for distances up to 100m of standard CAT5e-8 cable



The **4K-810** is a transmitter and receiver pair designed to extend HDMI, DVI or DisplayPort, together with and bidirectional IR signals, RS232 and 100BaseT Ethernet over a single twisted pair CAT 5e-8 cable. The units use HDbaseT technology to extend 12 bit Deep Colour 3D, 4K and 2K resolutions together with 1080p @60Hz

### Extend HDMI, DVI or DisplayPort with IR, RS232 and Ethernet over a single 100m of CAT 5e-8 cable

Infra-Red pass-through is available via an external IR receiver (SM-EYER) in the **4K-RX810** and external IR emitter (SM-LED) connecting to the **4K-TX810**. The IR is extended through the same CAT 5e-8 cable together with RS232 and 100BaseT Ethernet connectivity up to 100m. Each box has fixing holes to facilitate ease of installation and multiple units can fit side by side on a 1U 19" rack shelf.

The 4K-800 range from Smart-e provides a flexible and cost effective solution for point to point transmission for a single source to a single display



### The Smart-e 4K-810 features

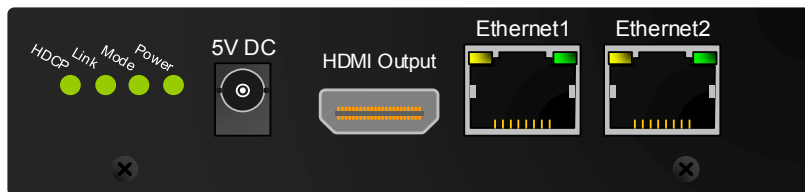
- HDMI, DVI & DisplayPort formats
- Deep Colour 3D, 4K and 2K
- 100m of CAT5e-8 cable
- HDCP compliant
- Wide bandwidth IR transmission
- Uses easy to install single CAT5e-8 cable
- CEC pass through
- Supports 1920x1200 @ 60 Hz
- Total cable distance up to 100m
- Cost effective, multi-function unit
- 19" x 1U rack kit for up to 4 x units
- Extremely compact
- Units can be powered from a USB port
- High ground loop immunity
- RS232 pass-through
- Ethernet pass-through
- Dual port Ethernet switch
- Compatible with Smart TVs

\*CAT 5e-8 refers to Category 5e, 6, 7 and 8 UTP structured cabling



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## 4K-810 panel drawings



### Video

Signal Types	HDMI, DVI, DisplayPort Multimode
Formats	HDMI w/Deep Color 3D, 4K, 2K
Content Protection	HDCP V1.2
Connector	HDMI Type A Female
Cable Types	CAT 5e, CAT 6/6e, CAT 7, STP, FTP
TV resolutions PC resolutions	480, 576, 720, 1080 p & i 640x480 through to 1920x1200

### Audio

Types	Embedded audio in HDMI
Digital Formats	Dolby Digital® Plus Dolby® TrueHD DTS-HD High Res DTS-HD Master Audio™, up to 8chPCM
Digital Connector	HDMI

### CAT 5 signals

Pair 1	HDbaseT pair 1
Pair 2	HDbaseT pair 2
Pair 3	HDbaseT pair 3
Pair 4	HDbaseT pair 4

### Power

Voltage	5V DC
Connector	2.1mm DC locking jack
Max. current	200mA per unit
Power	5Watts

### Dimensions

Height	29mm
Width	83mm
Depth	116mm
Weight	100g

### Control

IR signal	30-500kHz
Ethernet pass-through	100BaseT
RS232 pass-through	<115kbaud
CEC pass-through	Yes

