# ④Konnect 4K-710

## Flexible and cost effective HDMI extender for distances up to 70m of standard CAT5e-8 cable



**4K UHD**

The **4K-710** is a transmitter and receiver pair designed to extend HDMI, DVI or DisplayPort, together with and bidirectional IR signals and RS232 communication over a single twisted pair CAT 5e-8 cable. The units use HDbaseT Lite technology to extend 12 bit Deep Colour 3D, 4K and 2K resolutions together with 1080p @60Hz

### Extend HDMI, DVI or DisplayPort with IR and RS232 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-RX800** and external IR emitter (SM-LED) connecting to the **4K-TX800.** The IR is extended through the same CAT 5e-8 cable together with RS232 up to 70m. 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-700 range from Smart-e provides a flexible and cost effective solution for point to point transmission for a single source to a single display
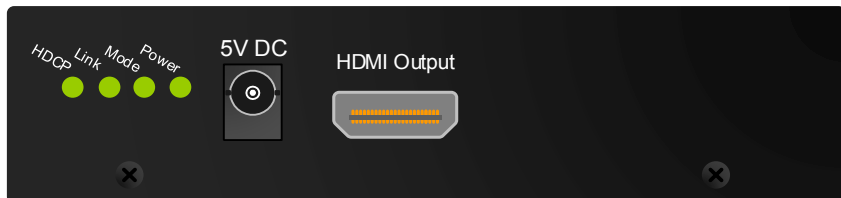
### The Smart-e 4K-810 features

- HDMI, DVI & DisplayPort formats
- Deep Colour 3D, 4K and 2K
- 70m 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 70m
- 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
- HDBaseT Lite

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

Professional audio & video distribution equipment

## 4K-810 panel drawings

HDCP  Link  Mode  Power    5V DC    HDMI Output

Cat5e/6    IR-RX    IR-TX    RS232

## 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<br>PC resolutions | 480, 576, 720, 1080 p & i<br>640x480 through to 1920x1200 |

## Audio

| Types | Embedded audio in HDMI |
|---|---|
| Digital Formats | Dolby Digital® Plus<br>Dolby®<br>TrueHD<br>DTS-HD High Res<br>DTS-HD<br>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 | No |
| RS232 pass-through | <115kbaud |
| CEC pass-through | Yes |

PC

Infra-Red
HDMI
RS232

Single 70m CAT5e-8 cable

4K-RX710

Infra-Red
HDMI
RS232

4K-TX710

4K-710 Application Drawing

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