High Performance HDMI Over Single CAT5e/6/7

PE3D4K100

HDMI Over Single Cat5e/6/7 Uncompressed 1080p Extender
w/ HDMI v1.4 3D, 7.1 Channel Audio & Two Way IR/RS-232 Pass Thru Support

3D

V1.4 HDMI | 4K Resolution | 7.1ch Audio | 100M Transmission | Single Cable

IR Control Pass Thru | RS-232 Control Pass-Thru | CEC Pass Thru | 36 bit Deep Color | PC DVI compatible

HD Video | **HD Audio** | **Two Way IR Pass-Thru** | **RS-232 Pass-Thru**

High Performance, All By One Cable

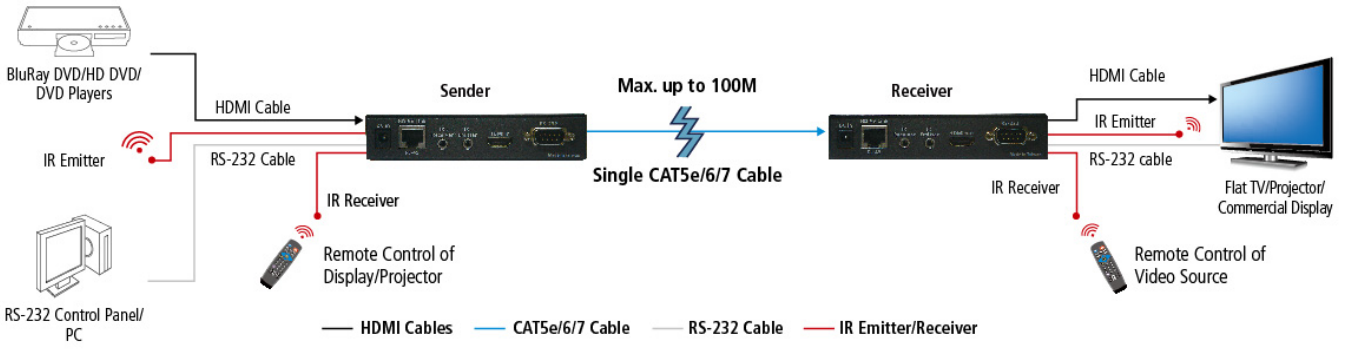
Application

- Home Theater Projector installation
- Multi-Room HD AV Sharing
- Conference Room Projetcor & Control Integration
- Shopping Mall/Hotel/Pub/Club/Restaurant HD AV Extension
- HD AV & Control Extension Deploy
- Pro AV Central Control Integration

Features

- Transmit up to 100M Uncompressed 1080p HDMI video via Single Cat5e/6/7 cable
- HDMI v1.4 3D Video Format Support for 3D blu-ray and TV connection at distance
- 10.2Gbps Ultra High Performance Transimission support up to 4Kx2K resolution
- Two Way Full Range 20~60Khz IR Pass-Thru allows to control Video Source from Receiver side or/and control display from sender side
- Two Way RS-232 Control communication for Display or Video Source control at remote site
- 36 bits Deep Color & CEC Pass-Thru support
- DVI 1.0 & HDCP Compliant
- Hessel free, Plug n Play

Long Distance with two way IR/RS-232 Pass-Thru Installation

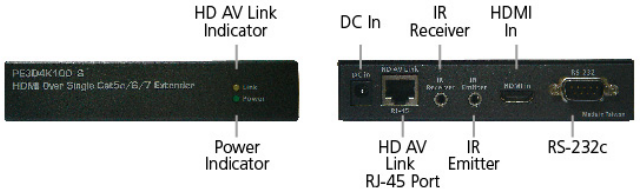


High Performance HDMI Over Single CAT5e/6/7

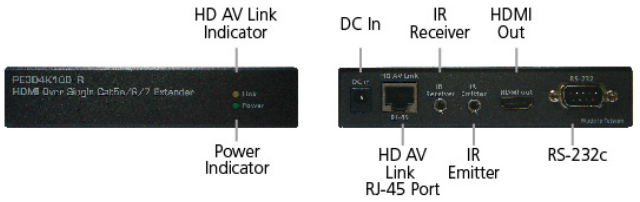
Specification

HDMI		HDMI v1.4 compliant
		DVI v1.0 Compliant
		HDCP compliant
		Data Speed: Up to 10.2Gbps
RS-232c		DB-9 Standard Female Connector
		Bi-direction transfer & Up to 192,000 bps
Two Way IR(Infrared) Pass-Thru		Signal frequency: 20~60Khz
		Signal protocol: Any protocol support
Power Adapter		AC to DC Power Adapter 5V
Product Dimensions		130 x 97.5 x 28 mm (L x W x H) Per Sender/Receiver
I/O Port	Sender	HDMI Input x 1
		HD AV Link (RJ-45) port x 1
		RS-232c x 1
		IR Receiver Port (3.5mm) x 1
		IR Emitter Port (3.5mm) x 1
		DC 5V Input Jack x 1
	Receiver	HDMI Output x 1
		HD AV Link (RJ-45) port x 1
		RS-232c x 1
		IR Emitter Port (3.5mm) x 1
		IR Receiver Port (3.5mm) x 1
		DC 5V Input Jack x 1
Product Weight		Sender 300g, Receiver 300g
Power Consumption		< 10W
Operating Temperature		0 - 70°C
Body Material		Metal (Iron)
Accessory		IR Emitter/Receiver cables (Included)
		Wall Mount Kit (Optional)

Sender



Receiver



IR Emitter cable

Plug into IR Emitter Port only

IR Receiver cable

Plug into IR Receiver Port only

Installation

1. Connect between Sender and Receiver's HD AV Link RJ-45 port by Solid Copper Core type CAT5e/6 cable. **It need HD AV port point to point direct cable connection between Sender and Receiver.**
2. Connect Sender HDMI Input to Video Soruce & Receiver HDMI Output to TV/Display/Projector by HDMI Cables.
3. Optional IR Pass-Thru. Install IR Emitter cable to Sender (and/or receiver) and torward to Video source (or TV/Display) IR receiver window, install IR Receiver cable to Receiver (and/or sender) and torward to remote control location.
4. Optional RS-232 communication. Connect PC/RS-232 Control Panel to Sender(or Receiver), Projector/Display to Receiver(or Video source to Sender), with RS-232c cables.
5. Connect Power Adapter DC plug to Sender and Receiver DC in port.
6. Power On Display/Projector and select correct HDMI input port.
7. Power On Video Source and select correct HDMI output port.

Cable Recommendation for HD AV Link

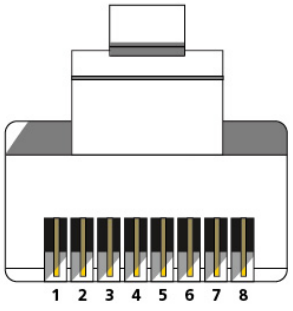
Recommend Solid Copper Core Type (350MHz) CAT5e & CAT6 cable:

- Standard 22 / 24AWG CAT5e UTP&STP 350MHz
- Standard 22 / 24AWG CAT6 FTP 350MHz

Shielded (STP, S/FTP) Cable Preferred to avoid Electromagnetic Interference (EMI) issue

TIA/EIA-568-B cable

pin	Color
1	Orange/White
2	Orange
3	Green/White
4	Blue
5	Blue/White
6	Green
7	Brown/white
8	Brown



Warning !!!

HD AV Link Port at Sender and Receiver need to be Point to Point Direct Cable Connection.
Do Not Connect Ethernet Switch/Router/Computer to HD AV Link Port at Sender or Receiver!
Connect IR Emitter cable to IR Emitter Port on Sender/Receiver only. And, connect IR Receiver Cable to IR Receiver Port only.
DAMAGE CAN OCCUR TO THE PRODUCT IF DOING SO!!!