

High Performance HDMI Over Single CAT5e/6/7



PE3D4K100A

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



High Performance, All By One Cable

Power Over Cable

RS-232/IR Pass-Thru

HD Video

Internet

HD Audio



Single
Cable

100M
Transmission

V1.4
HDMI

4K
Resolution

IR
Control
Pass Thru

RS-232
Control
Pass-Thru

Sender
3xRJ45
Ethernet

Receiver
3xRJ45
Ethernet

Power
Over
Cable

CEC
Pass Thru

36 bit
Deep
Color

PC DVI
compatible

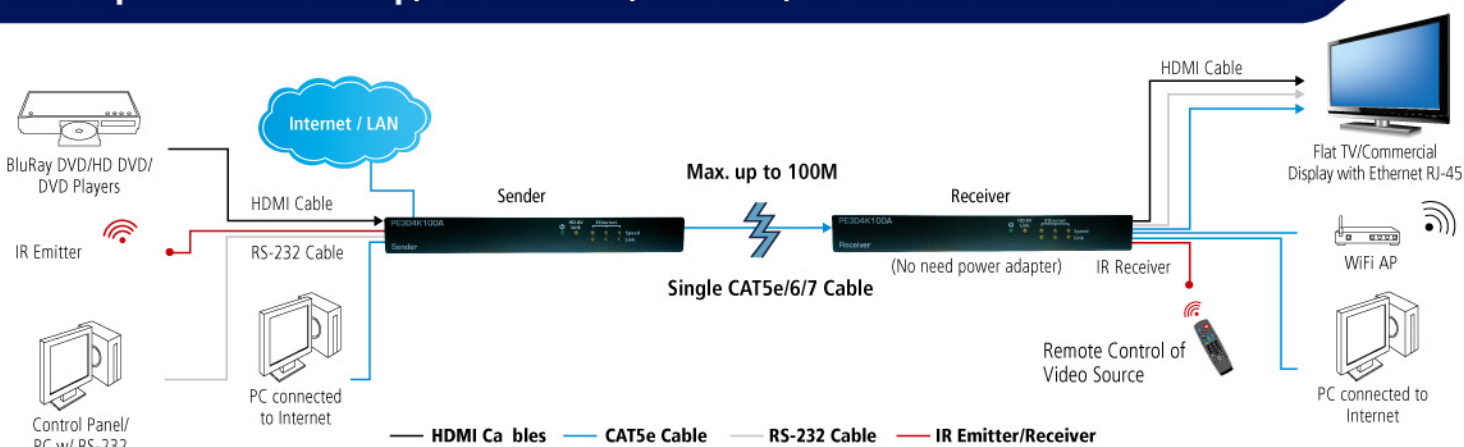
Application

- Home Theater Projector installation
- Multi-Room HD AV & Internet Sharing
- Conference Room Projector & Control Integration
- Shopping Mall/Hotel/Pub/Club/Restaurant HD AV Extension
- HD AV, Internet & 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 Transmission support up to 4Kx2K resolution
- Ethernet Network Extend support, 3x100Mbps Ethernet switch ports at both Sender and Receiver
- POC (Power Over Cat5), Receiver no need power adapter
- Full Range 20~60Khz IR Pass-Thru allows to control Video Source from Receiver side
- Two Way RS-232 Control communication for Display or Video Source control at remote site
- HD AV/Internet/IR&RS-232/Power All in One Design, by Single Cable Link
- 36 bits Deep Color & CEC Pass-Thru support
- DVI 1.0 & HDCP Compliant
- Hassel free, Plug n Play

Uncompressed 3D 1080p, 7.1 ch Audio, Internet, RS-232/IR & Power Pass-Thru



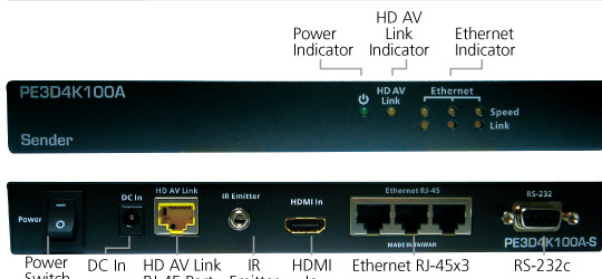


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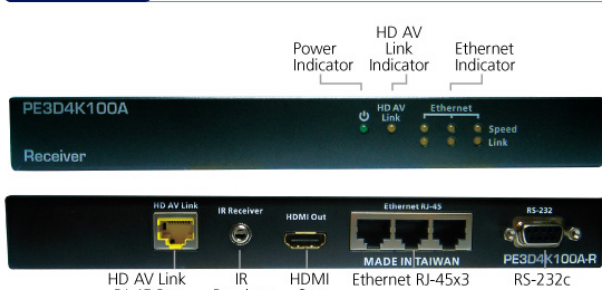
Specification

HDMI	HDMI v1.4 compliant
	DVI v1.0 Compliant
	HDCP compliant
	Data Speed: Up to 10.2Gbps
Ethernet Network	Data Speed: 100/10 Base-TX
	3 x RJ-45 ports at Sender and Receiver
RS-232c	DB-9 Standard Female Connector
	Bi-direction transfer & Up to 192,000 bps
IR(Infrared) Pass-Thru	Signal frequency: 20~60Khz
	Signal protocol: Any protocol support
Power Adapter	AC to DC Power Adapter 24V DC /1A
Product Dimensions	220X83X27mm (L x W x H)
I/O Port	Sender
	HDMI Input x 1
	HD AV Link (RJ-45) port x 1
	Ethernet RJ-45 Port x 3
Receiver	Receiver
	DC 24V Input x 1
	HDMI Output x 1
	HD AV Link (RJ-45) port x 1
Product Weight	Sender 380g, Receiver 380g
Power Consumption	< 20W
Operating Temperature	0 - 70°C
Body Material	Metal (Iron)
Accessory	IR Emitter/Receiver (Included)
	Wall Mount Kit (Optional)

Sender



Receiver



29.7cm

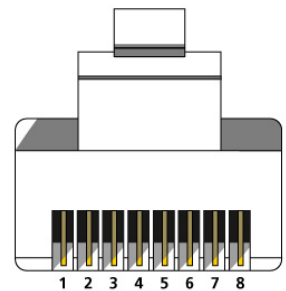
Installation

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. Don't connect HD AV Link port (both sender and receiver) to any Ethernet RJ-45 port.**
2. Connect Sender HDMI Input to Video Source & Receiver HDMI Output to TV/Display/Projector by HDMI Cables.
3. Optional Ethernet extension. Install Cat5e cable between ADSL/Cable modem, PC/Internet Device and Ethernet RJ-45 on Sender/Receiver.
4. Optional IR Pass-Thru. Install IR Emitter to Sender and forward to Video source IR receiver window, install IR Receiver to Receiver and forward to remote control location.
5. 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
6. Connect Power Adapter DC in to Sender DC in port.
7. Turn On Power Switch on Sender.
8. Power On Display.
9. Power On Video Source

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!
Do Not Connect at Sender/Receiver HD AV Link Port to any Ethernet RJ-45 Port on Sender/Receiver!
 DAMAGE CAN OCCUR TO THE PRODUCT IF DOING SO!!!