



PE3D4K100A

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



- HD Video
- Internet
- HD Audio
- Power Over Cable
- Two Ways RS-232/IR Pass-Thru
- High Performance, All By One Cable

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

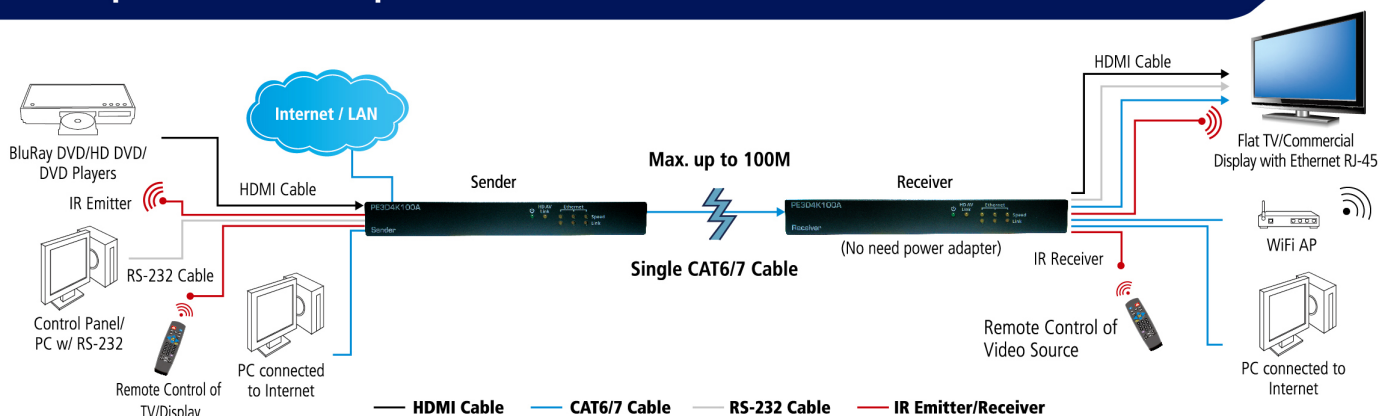
Application

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

Features

- Transmit up to 100M/330ft Uncompressed 1080p HDMI video via Single Cat5e/6/7 cable
- Two Ways Full Range 20~60Khz IR Pass-Thru allows to control Video Source from Receiver side
- HDMI v1.4 3D Video Format Support for 3D blu-ray and TV connection at distance
- Two Ways RS-232 Control communication for Display or Video Source control at remote site
- 10.2Gbps Ultra High Performance Transmission support up to 4Kx2K resolution
- HD AV/Internet/IR&RS-232/Power All in One Design, by Single Cable Link
- Ethernet Network Extend support, 3x100Mbps Ethernet switch ports at both Sender and Receiver
- 36 bits Deep Color & CEC Pass-Thru support
- POC (Power Over Cat5), Power adapter not needed at Receiver side
- DVI 1.0 & HDCP Compliant
- Hessel free, Plug n Play

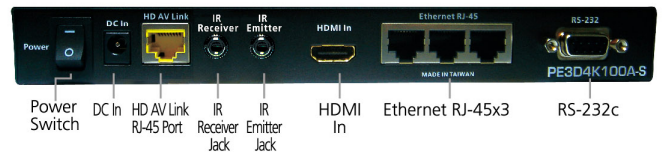
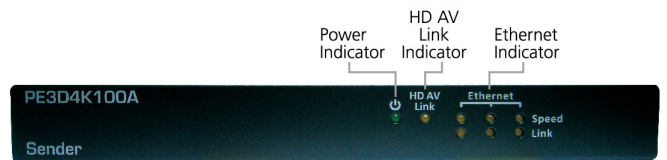
Uncompressed 3D 1080p, 7.1 ch Audio, Internet, RS-232/IR & Power Pass-Thru



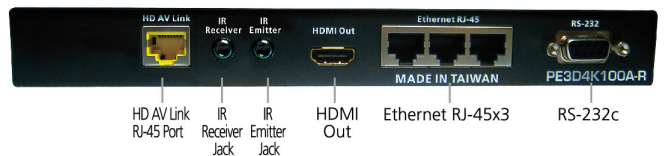
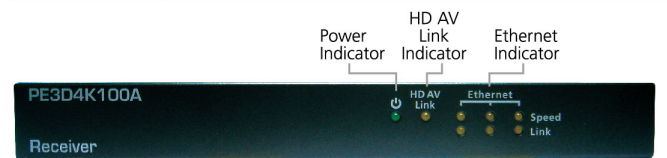
Specification

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) Two Ways 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	RS-232c x 1
	IR Emitter Port (3.5mm) x 1, IR Receiver Jack x 1
	DC 24V Input x 1
	HDMI Output x 1
Product Weight	Sender
	HD AV Link (RJ-45) port x 1
	Ethernet RJ-45 Port x 3
	RS-232c x 1
Power Consumption	IR Receiver Port (3.5mm) x 1, IR Emitter Jack x 1
	Sender 380g, Receiver 380g
Operating Temperature	< 20W
Body Material	0 - 70°C
Accessory	Metal (Iron)
	IR Emitter/Receiver (Included)
	Wall Mount Kit (Optional)

Sender



Receiver



IR Emitter Cable



Plug into
IR Emitter Jack Only!

IR Receiver Cable



Plug into
IR Receiver Jack 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. 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 cable to IR Emitter Jack on Sender/Receiver and toward to Device IR Receiver Window. Install IR Receiver cable to IR Receiver Jack on Sender/Receiver and toward 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 and start output video.

Cable Recommendation for HD AV Link

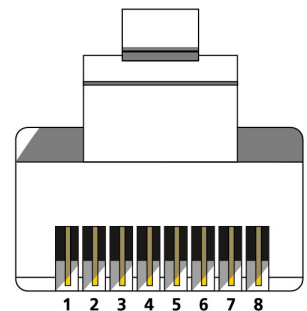
Recommend Solid Copper Core Type (350MHz) CAT5e & CAT6 cable:

- 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

* Do Not use Crossover cable! 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!!!