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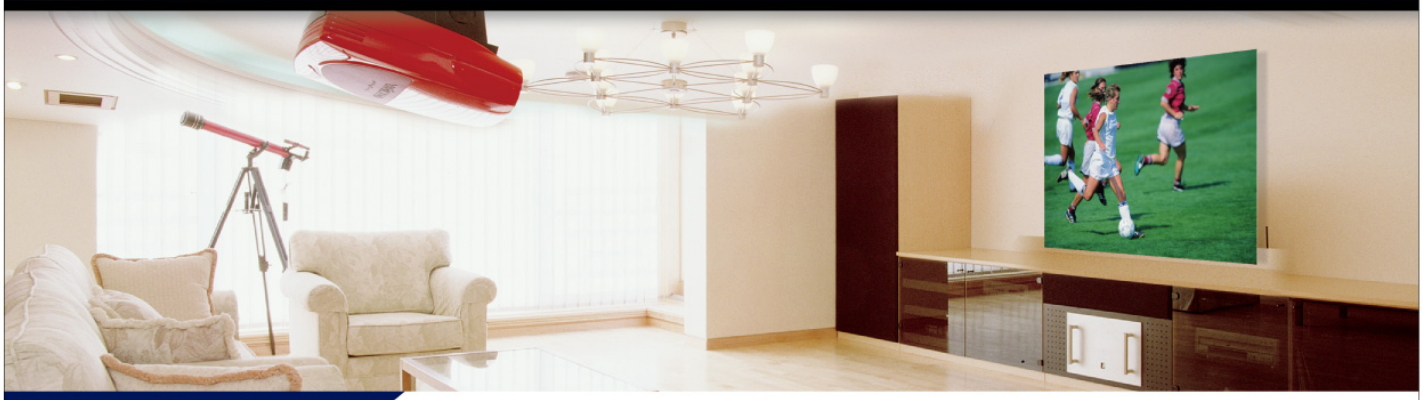
High Performance HDMI Over Single CAT5e/6/7



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

3D | 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

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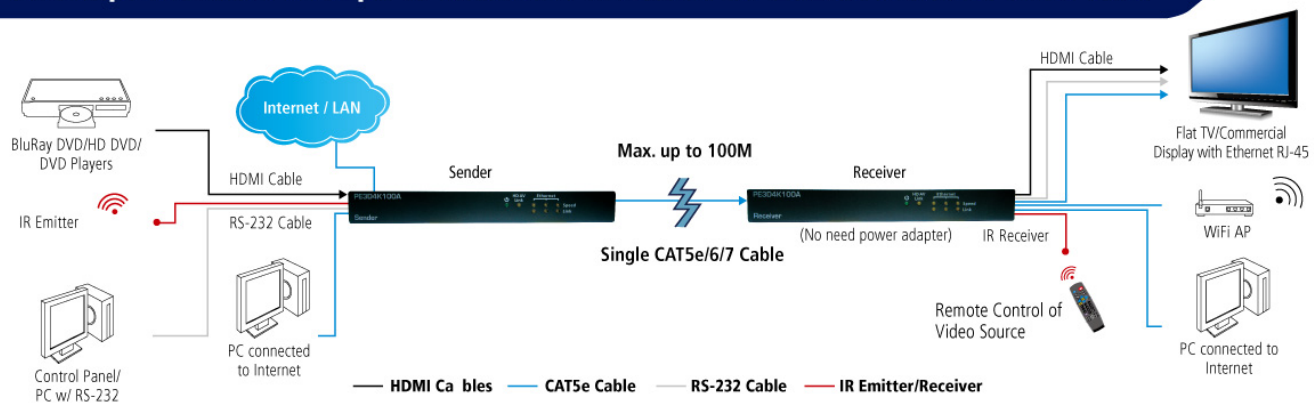
Application

- Home Theater Projector installation
- Multi-Room HD AV & Internet Sharing
- Conference Room Projetcor & Control Integration
- Shopping Mall/Hotel/Pub/Club/Restraunt HD AV Extenion
- 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 Transimission 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 Singe Cable Link
- 36 bits Deep Color & CEC Pass-Thru support
- DVI 1.0 & HDCP Compliant
- Hessel free, Plug n Play

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



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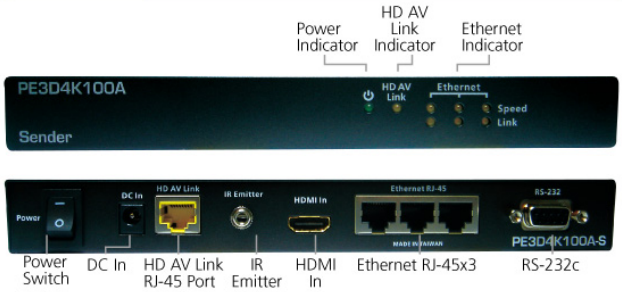
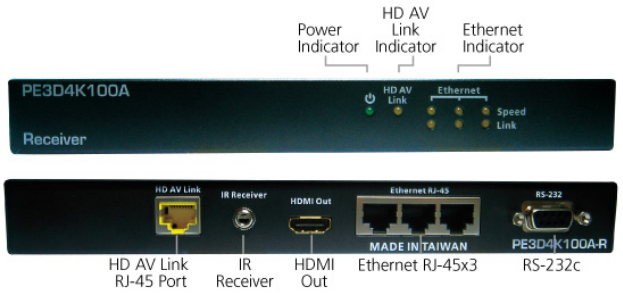
Specification

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
		RS-232c x 1
		IR Emitter Port (3.5mm) x 1
		DC 24V Input x 1
	Receiver	HDMI Output x 1
		HD AV Link (RJ-45) port x 1
		Ethernet RJ-45 Port x 3
		RS-232c x 1
		IR Receiver Port (3.5mm) 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



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IR Emitter

Plug into Sender Only!

IR Receiver

Plug into Receiver 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 Enthernet RJ-45 port.**
2. Connect Sender HDMI Input to Video Soruce & 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 torward to Video source IR receiver window, install IR Receiver to Receiver and torward 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

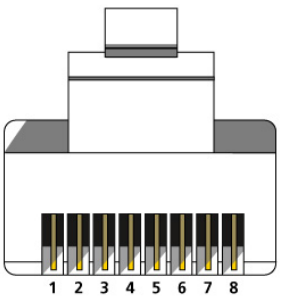
Recommend Solid Copper Core Type (350MHz) CAT5e & CAT6 cable:

- 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!!!