ACE417N

SIGNAL EXTENDER

Transmit or receive HDMI signal over single standard Cat5e/6

- ACE417N consists of a transmitter unit and a receiver unit
- HD Video reacher up to 50m (over Cat5e)/60m (over Cat6 or above) (1080p@60Hz)
- Support HDMI 1.3 and HDCP1.2
- Support IR pass-back with frequency of 38KH3
- Support power indicator and HDMI signal connection indicator
- Power supply 5VDC/1A USC-A to Type. C power cable included
- Small size, easy and convenient to use, plug&play, no need to configure

PIXVIDEO
image without compromises

HS Video reaches 50m (over Cat5e)/60m (over Cat6 or above)

Overview

PIX-ACE417N is a HDMI extender which adopts new HDMI extending technology. the product consists of a transmitter unit and a receiver unit and should be used in pairs. With the application of this HDMI extender, HDMI signal could be extendedup to 50m over single cost-effective Cat5e and up to 60m over Cat6 or above at higher standard. Transmission distance up to 50m (over Cat5e)/60m (over Cat6 or above) is a perfection solution for family application as well as CCTV monitoring.

The PIX-ACE417N extender is also a complete solution to solve the image mosaic, color distortion, transmition failure and other problems when long distance HDMI signal is transmitted. The product is widely applied to situations such as Home Theater, Exhibition, Multi-media classroom, etc.

Quick setup Guide

- Step 1: Begin with all input/output devices turned off and power cables are removed.
- Step 2: Directly connect the male end to video source(use a Cat5e/6 cable: connect one end to RJ 45 connector of PIX-ACE417N- TX, the other end to RJ45 connector of PIX-ACE417N- RX).
- Step 3: Connect the male end to display device.
- Step 4: Make sure the connec

1. The wiring must be away from any equipment with electromagnetic wave such as mobile phon3e, microwave, radio equipment, fluorescent lap, power lines, etc.
2. This device is not network equipment, do not connect with network to avoid damage.
3. Under normal circumstances, the RX can be powered from the HDMI interface. If the monitor's HDMI interface supply current is too small to make the RX start up, the monitor will not display images. At this time, it is necessary to plug in the USB-A to Type.C cable to obtain power from the external USB-A interface. if there is no external USB-A interface in the monitor, an external 5V USB power adapter is required for power supply

A.Type-C used for power input
B.Power indicator
C.HDMI In/Out, connected with computer/video player
D.RJ45, used for HDMI signal extension transmission
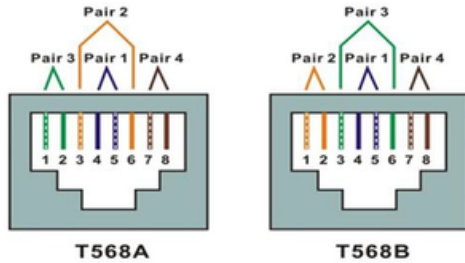E.IR Out/In, connected with emission/receiving component

Transmitter   **Receiver**
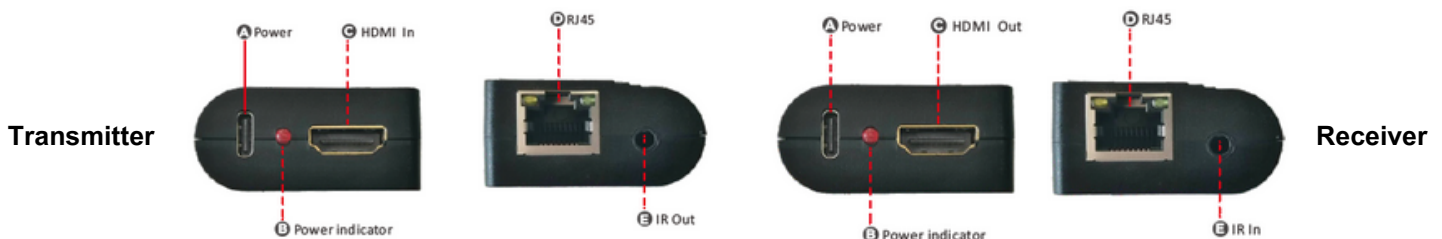
PIX-ACE417N
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How to make a network cable

To create a network cable, you will first need the equipment listed below.

1. Cat5e, Cat6, or Cat7 cable
2. RJ-45 connectors
3. Crimping tool
4. Wire stripper or Knife

The wire sequence of RJ45 connector must comply with international standard of EIA/TIA 568A or EIA/TIA 568B.Cat5e, Cat6, or Cat7 cable

1. We recommend stripping at least half an inch of the cable to expose the inner wires.
2. Separate the wires within the cable after the network cable jacket has been removed so that they can be put into the RJ-45 connector.
3. The CAT5 twisted-pair cable consists of four twisted wires, each color coded; 8 wires must be correctly lined as the standards of EIA/TIA 568A or EIA/TIA 568B.
4. Cut thread residue and leave 1.5cm wire exposed outside the insulating layer and ensure 8 wires are straighten and neat.
5. Place the cable into the RJ-45 connector and then use the crimping tool to attach the connector.
6. Repeat above steps for the other end of the cable; the wire sequence of both ends of the cable is suggested to be identical.
7. Make sure to test the cables before installing them once both ends of the cable have been completed.

	1	2	3	4	5	6	7	8
T568A	White Green	Green	White Orange	Blue	White Blue	Orange	White Brown	Brown
T568B	White Orange	Orange	White Green	Blue	White Blue	Green	White Brown	Brown

TECHNICAL SPECIFICATION

Model	PIX-ACE417N
Version	HDMI1.3 HDCP1.2
Resolution	720p@50/60Hz, 1080i@50/60Hz, 1080p@60Hz
Max Transmission	Transmission distance max up to 50m over Cat5e and 60m over Cat 6 or above
Power Supply	DC5V/1A-Type.C
Power Consumption	TX: ≤2.5W RX: ≤2.5W
ESD Protec	Electronics Touch Discharge: ±2KV Air Discharge: ±4KV Standard: IEC61000-4-2
Operating Temperature	0℃ ~ 60℃
Humidity	0 ~ 95%
Frequency	38khz
Dimension	60 x 44 x 21mm

Troubleshooting:

1. Remove possible faults with following instructions.
2. Check if devices installed in proper way instructed by the supplier.
3. Check if HDMI cable well connected and line sequence at sending & receiving unit in correspondence
4. Check if actual transmission distance exceeds Max. distance permitted under this HDMI format.
5. Check if HDMI Extender-TX and HDMI Extender-RX with normal input DC+5V Type.C power supply.
6. Replace the defective one with a proper unit, and check if end devices (DVD, Display etc) is damaged
7. Contact the supplier if faults can't be removed after operations mentioned above.
8. Check if the resolution of the video source output exceeds the maximum resolution supported by the product, and please check if the resolution of the monitor is consistemt with the maximum supported resolution of the product.

IR pass-back function

1. Step 1: Insert one end of infrared receiving component into "IR IN" of PIX-ACE417N-RX and the other end at IR Remote Controller;
2. Step 2: Insert one end of infrared emission component into "IR OUT" of PIX-ACE417N-TX and the other end at the corresponding infrared receiving component of video source such as DVR player.
3. Step 3: IR remote control func