PIX-ACE412N

Transmit or receive HDMI signal over single standard Cat5e/6

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Overview

The **PIX-ACE412N** 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.
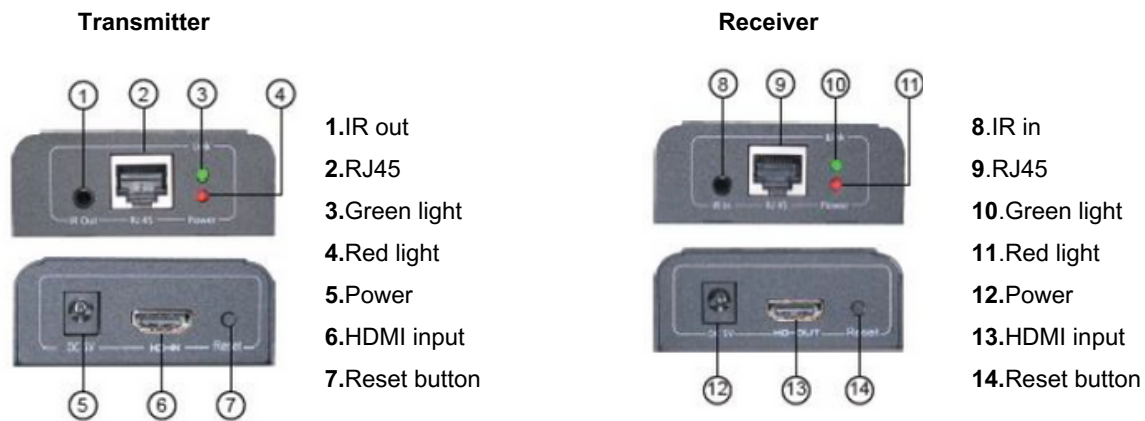
With the application of this HDMI extender, HDMI signal could be extended up to 150m over single cost-effective Cat5e/6 or above cable at higher standard. Transmission distance up to 150m is a perfect solution for family application as well as CCTV monitoring. The extender is a complete solution to solve the image mosaic, color distortion, transmission failure and other problems when long distance HDMI signal is transmitted. It supports EQ setting-automatically to search the best transmitting resolution HDMI signals, and support infrared pass-back function, etc. The product is widely applied to situations such as Home Theater, Exhibition, Multi-media classroom, etc.

Features

- Transmit or receive HDMI signal over single standard Cat5e/6
- PIX-ACE412N consists of a transmitter unit and a receiver unit
- HD Video reaches 150m(1080p@60Hz)
- Support IR pass-back with frequency of 38KHz
- Support HDMI 1.3 and HDCP1.2
- LED Status to indicate HDMI Activity
- Support Audio format DTS-HD/Dolby True HD/PCM/ Dolby AC3/DSD
- Highest resolution up to 1080p@60Hz
- HD Video over IP transmission solution, max bandwidth <80Mbps
- Power supply 5VDC/1A power adaptor included
- Easy and convenient to use, plug & play, no need to configure
- Metal housing for stable and durable working life

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IR Pass-back Function

1. **Step1**: Insert one end of infrared receiving component into "IR IN" of PIX-ACE412N-RX and the other end at IR Remote Controller;
2. **Step2**: Insert one end of infrared emission component into "IR OUT "of PIX-ACE412N-TX and the other end at the corresponding infrared receiving component of video source such as DVR player.
3. **Step3**: IR remote control function starts after above proper operations are ok.

Transmitter

1. IR out
2. RJ45
3. Green light
4. Red light
5. Power
6. HDMI input
7. Reset button

Receiver

8. IR in
9. RJ45
10. Green light
11. Red light
12. Power
13. HDMI input
14. Reset button

Quick Setup Guide

- **Step1**: Begin with all input/output devices turned off and power cables are removed.
- **Step2**: Use a HDMI cable: connect the male end to video source, the female end to "HDMI IN" of PIX-ACE412N-TX.
- Use a Cat5e/6 cable: connect one end to RJ 45 connector of PIX-ACE412N-TX, the other end to RJ 45 connector of PIX-ACE412N
- **Step3**: Use another HDMI cable: connect the male end to "HDMI OUT" of PIX-ACE412N-RX, the other end to display device.
- **Step4**: Make sure the connections mentioned above are finished properly. Then connect PIX-ACE412N-TX and PIX-ACE412N-RX to DC+5V power supply. When the red power LED indicator turns on and display device works with good image, then the whole connection is done successfully.

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TECHNICAL SPECIFICATIONS

Product Name	HDMI Extender
Model	**PIX-ACE412N**
Version	HDMI1.3 HDCP1.2
Resolution	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@60Hz
Max Transmission	Transmission distance max up to 150m over Cat5e/6 or above
IR Remote Control	Support 38K carrier IR control
EQ control	Touch EQ button softly, auto-matching the optimum resolution
Power Adapter	DC5V/1A
Power Consumption TX: ≤	TX: ≤3W RX: ≤3W
Red Indicator	DC+5V power indicator
Green Indicator	Data signal indicator
ESD Protection	Electronics Touch Discharge: ±2KV Air Discharge: ±4KV Standard: IEC61000-4-2
Temperature	0℃ ~ 55℃
Humidity	0 ~ 95℃
Dimension	108.3X68X27mm
Housing	Zink Alloy

Application

- Home Theater system
- Venue display system
- Media classroom system
- LCD and plasma flat panel multimedia advertising project
- Big screen LED curtain wall display project
- The large projection equipment display system

- The industrial automation and control system
- Audio/Video meeting system
- Security monitoring system
- Multimedia network education system
- Long-distance network server monitoring
- Central control system
- Military exercises command system

PIX-ACE412N-TX   **PIX-ACE412N-RX**

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