

IPDE-120UAS

DVI KVM Extender

User manual

Thank you for purchasing our products, we always adhere to the spirit of "professional, creative, reliable service" to cooperate with all our clients. Customers' satisfaction is our success!

In order to help use this product correctly, please read the instructions carefully before use

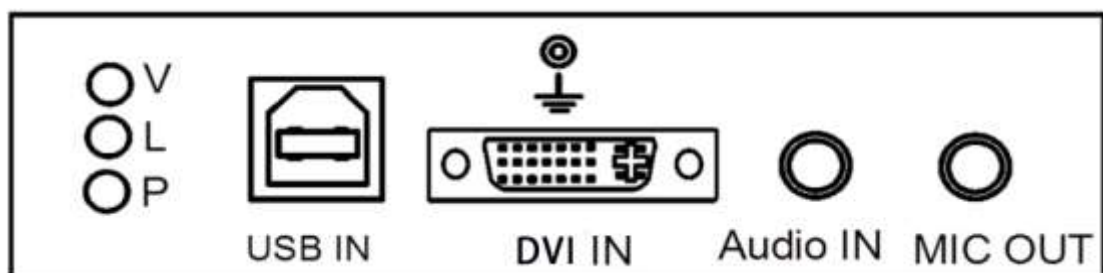
Product Introduction

This product is a pair of complete sets of equipment, one of which is a sender and one is a receiver; the sender is marked with the word "Sender" and the receiver is marked with the word "Receiver". It can extend DVI video, independent audio, microphone, USB to the remote end through a single network cable, and can also transmit RS232 serial port signals for long-distance transmission with touch screen, pan/tilt, electronic whiteboard, etc., IR infrared signal Infrared remote control of devices such as DVDs, set-top boxes, etc. The farthest transmission distance is 120 meters, the user can control the computer at the remote end, the image effect is clear and natural, and the resolution is up to 4K×2K.

Products can be used in security monitoring, multimedia information publishing, video conferencing, multimedia classrooms, centralized management of hosts, large-screen advertising, education systems, splicing systems, etc.

Product interfaces

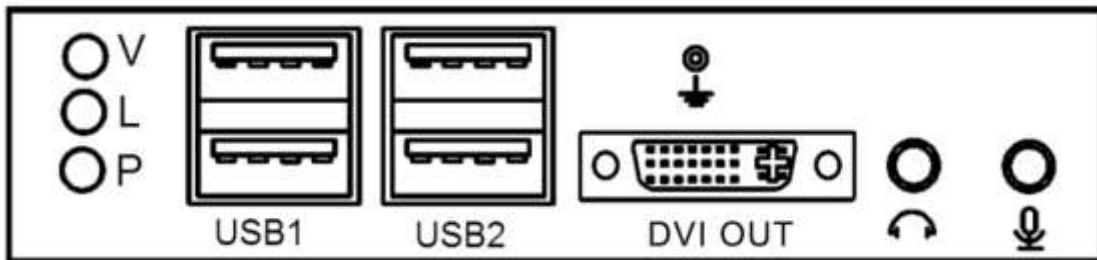
Front of sender



Rear of sender



Front of receiver





Rear of receiver



Product interface introduction

| Device | Interface | Introduction |
|--------|-----------|-------------------------|
| Sender | USB IN | USB input interface |
| | DVI IN | DVI input interface |
| | Audio IN | Audio input interface |
| | MIC OUT | Mic output interface |
| | RJ45 | Network cable interface |
| | IR OUT | IR output interface |
| | G R T | Serial input interface |
| | DC | DC power jack |

| | | |
|----------|---|-------------------------|
| Receiver | USB1 USB2 | USB output interface |
| | DVI OUT | DVI output interface |
| |  | Audio output interface |
| |  | Mic input interface |
| | RJ45 | Network cable interface |
| | IR IN | IR input interface |
| | G R T | Serial output interface |
| | DC | DC power jack |

Indicators instruction

| Device | LED Indicators | Color | Status | Meaning |
|----------|----------------|--------|--------|--|
| Sender | P | Red | Bright | Power is normal |
| | L | Green | Bright | Transmitter and receiver establish a normal communication connection |
| | V | Yellow | Bright | The transmitter is able to detect the video signal input and the receiver has recognized that the display is displaying properly |
| Receiver | P | Red | Bright | Power is normal |
| | L | Green | Bright | The transmitter and receiver do not establish a normal communication connection. |
| | V | Yellow | Bright | The receiver has recognized that the display is displaying properly |

Product features

1. Digital uncompressed transmission, clear image and strong anti-interference ability;
2. Support multiple resolutions up to 4K×2K@30HZ,support 3D;
3. Support EDID transparent transmission, compatible with different brands of display output devices;
4. Support USB2.0 protocol, USB device compatibility is good, up to 4 USB interfaces, support USB mouse and keyboard, HD camera, mobile phone charging and copying data, mobile storage device, touch screen, etc.
5. Support bidirectional transmission of audio;
6. Support transmission through Gigabit LAN;
7. Supports bidirectional transmission of serial port.

Product specifications

| | | |
|--|---------------------------------|---|
| Function | Number of input signal | Sender: 1CH(DVI、USB、RS232、AUDIO) Receiver: 1CH(MIC、IR) |
| | Number of output signal | Sender: 1CH(MIC、IR) Receiver: 1CH(DVI、RS232、AUDIO), 4CH USB |
| | Transmission distance | Cable directly connected: 0-120m |
| Video transmission performance and interface part | Video input/output interface | DVI-I(Only support DVI-D signal) |
| | Support HDCP version | HDCP1.2 |
| | HDMI Resolution | Max support 4K×2K@30HZ |
| USB | Interface | Sender: B type Receiver: A type |
| | Protocol | Support USB2.0 |
| Video | Interface | 3.5mm Audio socket |
| Serial | Interface | Industrial terminal |
| | model | Two-way transmission |
| Infrared remote control performance and interface | Remote control interface | 3.5mm Audio socket |
| | Remote control interface signal | Infrared control signal |
| Internet access | RJ-45 | Cat5E/Cat6 |
| Attribute | size (L×W×H) | Sender: 131mm×93mm×32mm Receiver: 131mm×93mm×32mm |
| | The shell | Aluminum |
| | Color | Black |
| Power supply | Voltage range | DC9V-12V/1.5A |
| | Sender consumption | 3W |
| | Receiver consumption | 3W |
| Operating environment | Working Temperature | -15°C-55°C |
| | Storage temperature | -40-80°C |
| | Relative humidity | 0-95% (No condensation) |

Packing instruction

After you open the product packaging, carefully check the items according to the table below. If there is any missing or damaged, please contact us in time.

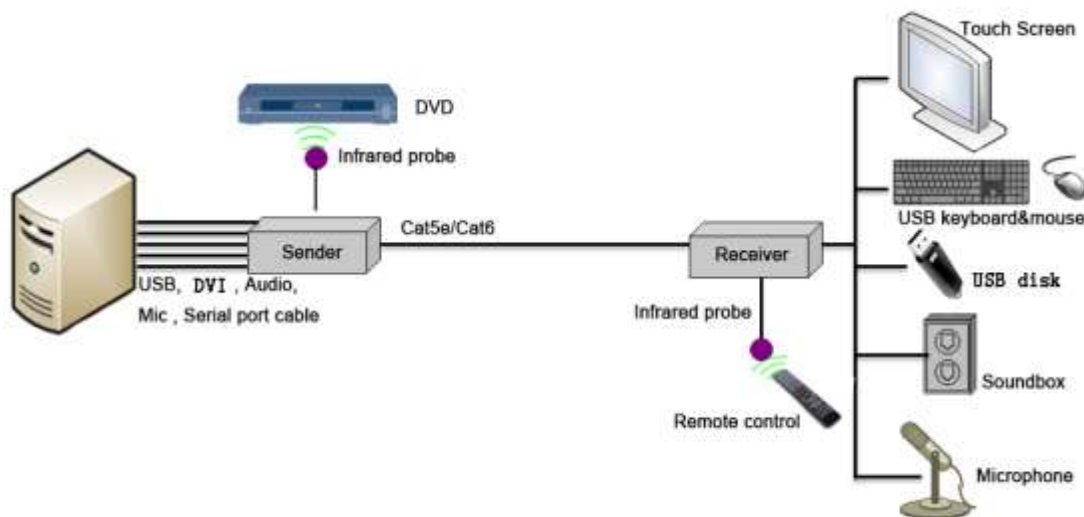
| NO | Item | Unit | Remark |
|----|----------|------|----------|
| 1 | Sender | 1 | Standard |
| 2 | Receiver | 1 | Standard |

| | | | |
|----|-----------------|---|----------|
| 3 | DVI video cable | 1 | Standard |
| 4 | USB print cable | 1 | Standard |
| 5 | Audio cable | 1 | optional |
| 6 | Power adapter | 2 | Standard |
| 7 | IR probe | 2 | optional |
| 8 | RS232 cable | 2 | optional |
| 9 | User manual | 1 | Standard |
| 10 | Warranty card | 1 | Standard |

Installation And Debugging

1.Connection diagram

Connection diagram:



2. Installation Steps

Please check if the wire is complete, turn off the host, the cable should be pressed RJ45 head, the first foot is orange and white, the order of pressing line is: orange white, orange, green white, blue, blue white, green, brown white, Brown. Please confirm that the power supply should be turned off before installation, install in the following order:

1. Connect the DVI interface of the host to the DVI IN interface of the transmitter with a DVI extension cable; connect the USB interface of the host to the USB IN interface of the transmitter with a USB extension cable; use an audio extension cable to connect the audio interface and transmitter of the host The AUDIO IN interface is connected, and another audio extension cable connects the microphone interface of the host to the MIC OUT interface of the transmitter; the industrial connection terminal is exchanged for the RS232 adapter cable to connect the RS232 interface of the host to the GRT interface of the transmitter; the two-pole infrared probe is inserted. Transmitter IR-OUT interface.

2. Plug the network cable into the RJ45 connector on the transmitter. Plug the power adapter into the port marked with power on the transmitter, and plug the adapter into the 220V AC socket to turn on the transmitter.
3. The display is connected to the DVI OUT interface of the receiver through the DVI line; the USB external device is connected to the USB1 and USB2 interfaces of the receiver; the interface of the audio access receiver, the interface of the microphone to the receiver; the external serial device through the industrial terminal The RS232 adapter cable is connected to the GRT interface of the receiver; the three-pole infrared probe is connected to the receiver IR-IN interface.
4. Plug the other end of the cable into the RJ45 connector of the receiver. Plug the power adapter into the port marked with power on the transmitter, and plug the adapter into the 220V AC socket to turn on the external power supply.
5. Open the host and you can use it normally.

Warranty and after-sales service

Thank you for using our products, now you have the right of the product lifetime warranty

1. Our Commitment

- Belong to the product quality problem, provide free repair within one year.
- Provide lifetime maintenance service, but if users to tear down by themselves, it beyond the scope of this warranty
- Improper use or man-made damage & broken do not belong to free warranty

2. Attention

- When the machine meet quality problem, please contact the distributors solve the maintenance issues
- If you can't immediately contact to the distributor, please directly contact us, we will help to solve as soon as possible.
- Please provide properly filled warranty card and purchase prove for repair.