DVI Extender 120

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!

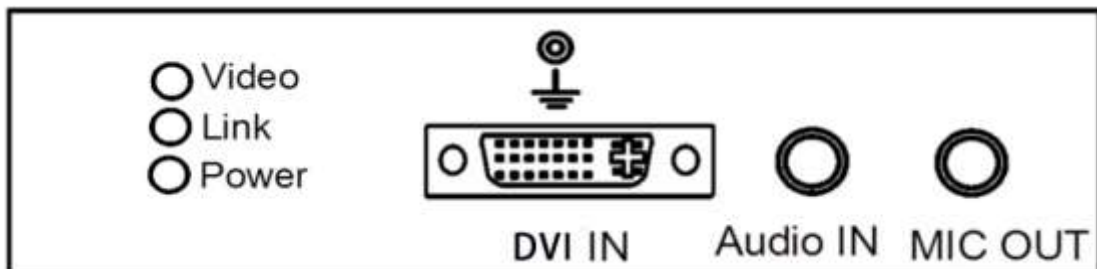In order to help use this product correctly, please read the instructions carefully before use

Product Introduction

This product is a pair of complete sets of equipment, one of which is a transmitter (labeled with Sender) and one is a receiver (labeled with Receiver); DVI video, independent audio, and microphone can be extended to the far end through a single network cable. It can also transmit RS232 serial port signals for long-distance transmission with devices such as touch screen, pan/tilt, and electronic whiteboard. The IR infrared signal can be used for infrared remote control of DVD, set-top boxes and other devices. 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 $4K \times 2K$.

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.
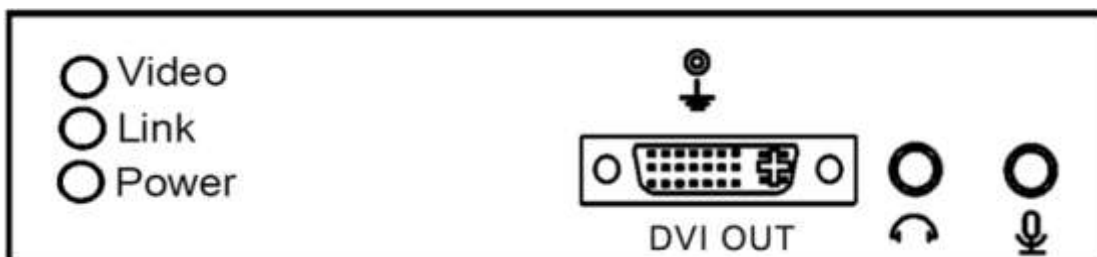
Product interfaces

Front of sender

Rear of sender

Front of receiver

Rear of receiver

Product interface introduction

Device	Interface	Introduction
Sender	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	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	Power	Red	Bright	Power is normal
	Link	Green	Bright	Transmitter and receiver establish a normal communication connection
	Video	Yellow	Bright	The transmitter is able to detect the video signal input and the receiver has recognized that the display is displaying properly
Receiver	Power	Red	Bright	Power is normal
	Link	Green	Bright	The transmitter and receiver do not establish a normal communication connection.

	Video	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;

3. Support EDID transparent transmission, compatible with different brands of display devices and able to lock screen

4. Supports two-way transmission of audio

5. Supports transmission over gigabit LAN

6. Support serial port two-way transmission

Product specifications

Function	Number of input signal	Sender：1CH(DVI、RS232、Audio) Receiver：1CH(MIC、IR）
	Number of output signal	Sender：1CH(MIC、IR) Receiver：1CH(DVI、RS232、Audio)
	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
Audio	Audio interface	3.5mm stereo audio socket
Serial	Serial interface	Industrial terminal
IR remote control performance and interface	Remote control interface	3.5mm stereo audio socket
	Remote 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/1A
	Sender consumption	3W
	Receiver consumption	3W
Operating environment	Working Temperature	-15℃-55℃
	Storage temperature	-40-80℃
	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.
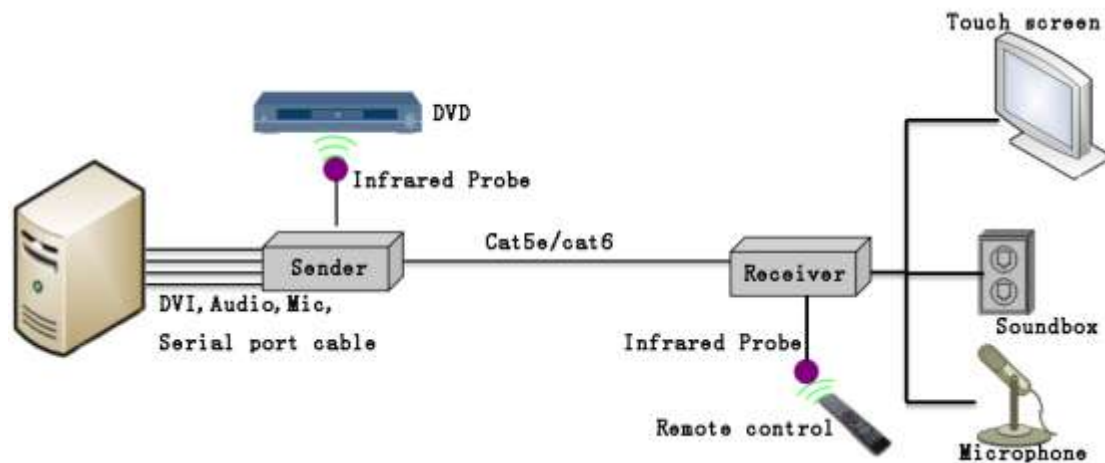
NO	Item	Unit	Remark
1	Sender	1	Standard
2	Receiver	1	Standard
3	DVI video cable	1	Standard
4	Audio cable	1	Optional

5	Power adapter	2	Standard
6	IR probe	2	Optional
7	RS232 cable	2	Optional
8	User manual	1	Standard
9	Warranty card	1	Standard

Installation And Debugging

1.Connection diagram

one to one connection diagram:

2. Installation Steps

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 connector of the transmitter with a DVI extension cable; connect the audio interface of the host to the AUDIO IN connector of the transmitter with an audio extension cable, and connect the microphone interface of the host with another audio extension cable. The MIC OUT interface of the device is connected; the RS232 interface of the host is exchanged with the industrial terminal block for the RS232 interface and the GRT interface of the transmitter; the two-pole infrared probe is inserted into the 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 audio is connected to the interface of the receiver, and the microphone is connected to the interface of the receiver; the external serial device is connected to the GRT interface of the receiver through the industrial connection terminal to the RS232 extension cable; The 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.