

OIP-D50E/D50D Quick Start Guide

⚠ Important

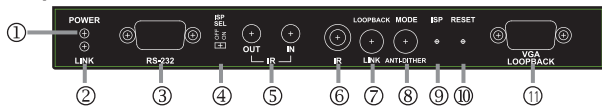
*Please activate your warranty:www.MyLumens.com/reg.

*To download the updated software, multilingual manuals, and Quick Start Guide, please visit Lumens[®] website at: <https://www.MyLumens.com/support>.

1. Product Introduction

1.1 OIP-D50E Encoder Overview

Front panel



- | | | |
|-------------------|-------------------------------|----------------------------|
| ① Power Indicator | ⑤ IR Input/Output | ⑨ ISP Button |
| ② Link Indicator | ⑥ IR Receive Window | ⑩ Reset Button |
| ③ RS-232 Port | ⑦ Loopback and Link Button | ⑪ VGA Loopback Output Port |
| ④ ISP SEL On/Off | ⑧ Mode and Anti-dither Button | |

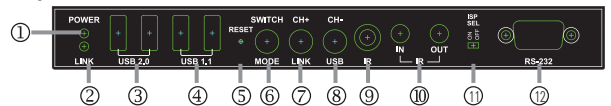
Rear panel



- | | |
|--------------------|---------------|
| ① Power Port | ④ HDMI Input |
| ② USB Port | ⑤ LINE Input |
| ③ OIP Network Port | ⑥ LINE Output |

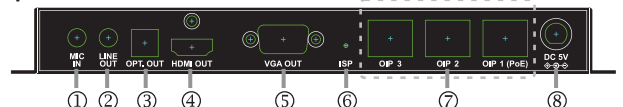
1.2 OIP-D50D Decoder Overview

Front panel



- | | | |
|-------------------|---------------------------|---------------------|
| ① Power indicator | ⑤ Reset Button | ⑨ IR Receive Window |
| ② Link Indicator | ⑥ Switch and Mode Button | ⑩ IR Input/Output |
| ③ USB 2.0 Port | ⑦ Channel and Link Button | ⑪ ISP SEL On/Off |
| ④ USB 1.1 Port | ⑧ Channel and USB Button | ⑫ RS-232 Port |

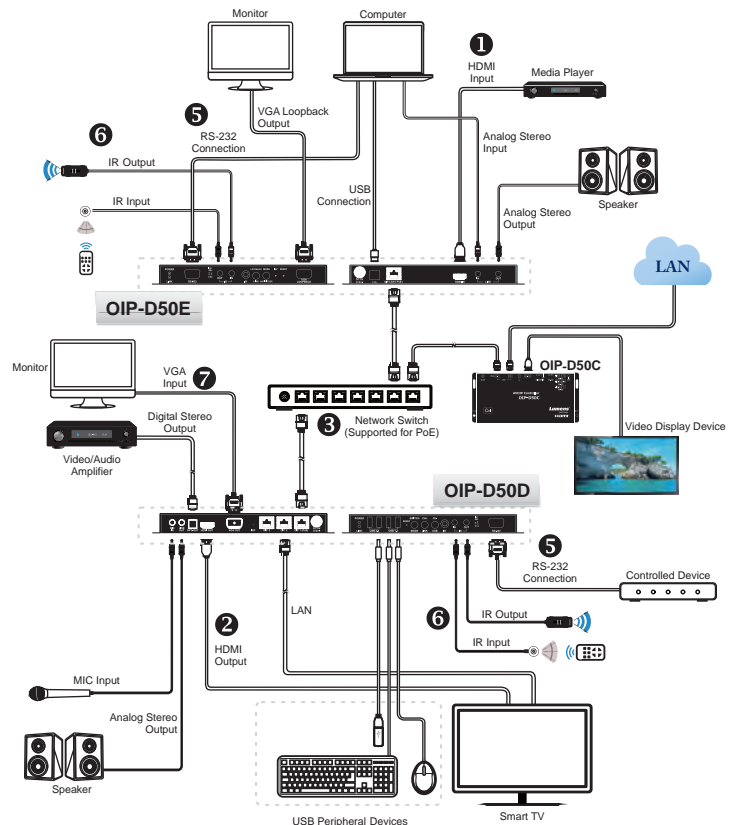
Rear panel



- | | | |
|------------------|---------------|--------------------|
| ① MIC Input | ④ HDMI Output | ⑦ OIP Network Port |
| ② LINE Output | ⑤ VGA Output | ⑧ Power Port |
| ③ Optical Output | ⑥ ISP Button | |

2. Installation and Connections

- ① Use an HDMI cable to connect the video source device to the HDMI input port on the D50E encoder.
- ② Use an HDMI cable to connect the video display device to the HDMI output port on the D50D decoder.
- ③ Use a network cable to connect the OIP network port of the D50E encoder, D50D decoder, and D50C controller to the network switch of the same domain, so that all OIP devices are in the same local area network.
- ④ Plug the power adapter into the power ports of D50E encoder, D50D decoder, and D50C controller and connect to the power source. (If the network switch supports PoE (IEEE802.3af) for power supply, power can be obtained directly through the network switch.)
※Steps ① - ④ can complete the signal extension. You can use the WebGUI operation interface to control the video display device connected to the D50C controller. You can also connect a computer and an IR emitter/receiver. Please follow the steps below:
- ⑤ Connect the computer to the D50E encoder, and the controlled device to the RS-232 port of the D50D decoder. The computer can issue RS-232 commands to the controlled device, and the controlled device will execute those commands.
- ⑥ Connect the IR emitter/receiver to the D50E encoder and D50D decoder to receive infrared signals from the remote control, and use the remote control to control the controlled device.
- ⑦ VGA display connect to D50D decoder to output analog image and audio.



3. Control Methods

1. The WebGUI interface will be displayed on the video display device connected to the D50C controller. You can connect a keyboard and mouse to the D50C controller to perform control and setting on the WebGUI interface.
2. Open the web browser and enter the IP address corresponding to the CTRL network port of the D50C controller to control it on the web page.

4. Suggestions for the Switch Setting

VoIP transmission will consume a lot of bandwidth (especially at higher resolutions), and it needs to be paired with a Gigabit network switch that supports Jumbo Frame and IGMP (Internet Group Management Protocol) Snooping. It is strongly recommended to be equipped with a switch which includes VLAN(Virtual Local Area Network) professional network management.

1. Please set Port Frame Size (Jumbo Frame) to 8000.
2. Please set IGMP Snooping and relevant settings (Port, VLAN, Fast Leave, Querier) to "Enable".

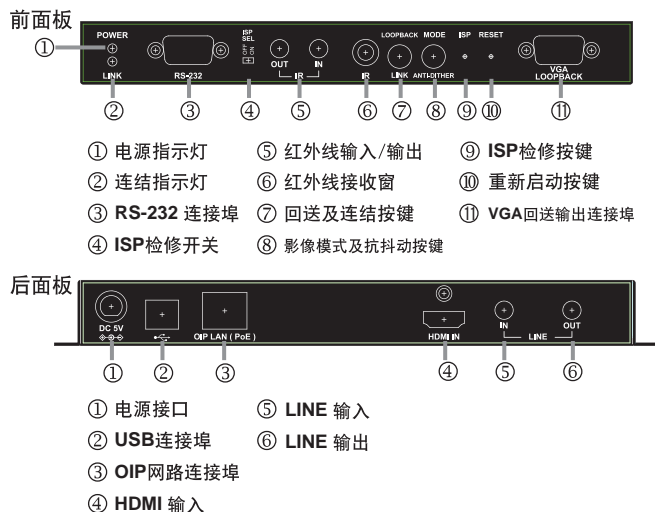
OIP-D50E/D50D 快速使用手册

⚠ 重要

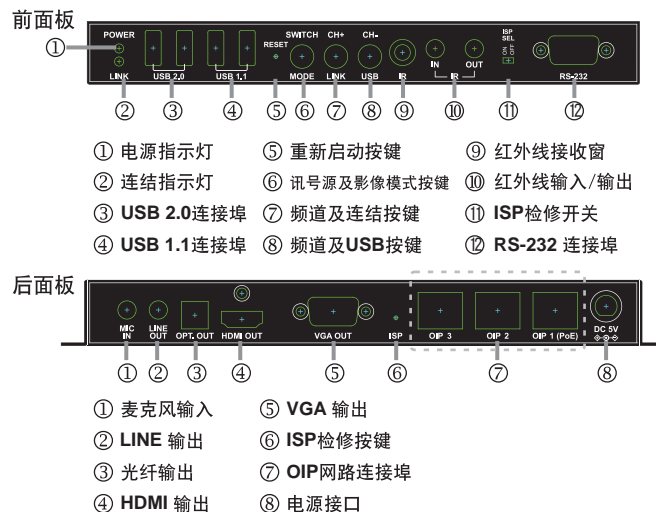
*最新版本的软体、各国语系的使用手册及快速使用手册，可至Lumens®网站下载：
<https://www.Lumens.cn/support>。

1. 产品介绍

1.1 OIP-D50E 外观说明

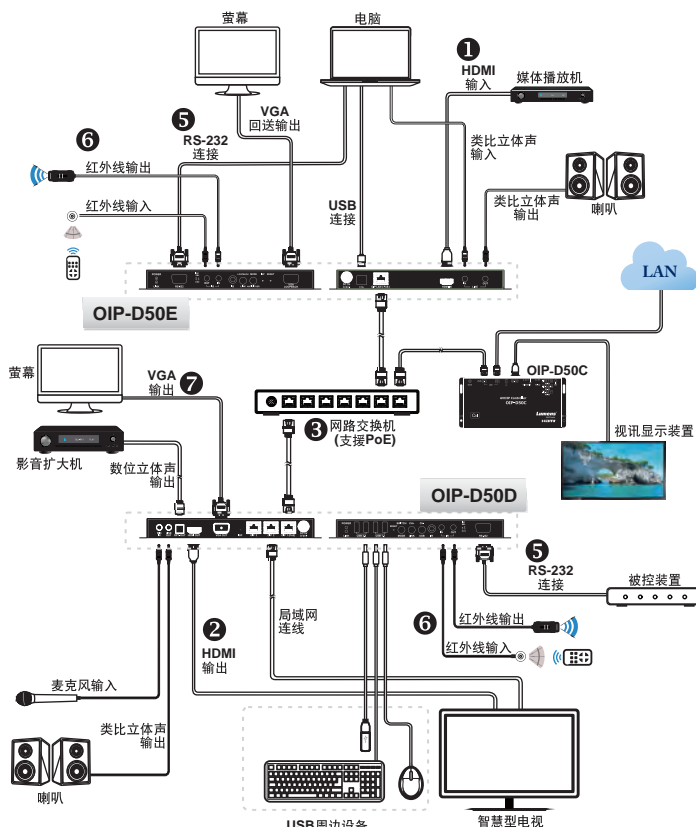


1.2 OIP-D50D 外观说明



2. 安装与连接

- ① 使用 HDMI线将视讯来源装置连接在 D50E编码器上的HDMI输入埠。
 - ② 使用 HDMI线将视讯显示装置连接在 D50D解码器上的HDMI输出埠。
 - ③ 使用网路线将 D50E编码器、D50D解码器及D50C控制器的OIP网路连接埠连接至同一个局域的网络交换机，使所有OIP装置均处于相同的局域网路。
 - ④ 将电源适配器插入 D50E编码器、D50D解码器及D50C控制器的电源接口并连接上电源。
(若网路交换机支援 PoE (IEEE 802.3af) 供电，可直接透过网路交换机取得电源。)
- ※ 步骤 ① - ④ 即可完成讯号延长，可在 D50C控制器连接的视讯显示装置中使用 WebGUI操作介面进行控制，也可另外连接电脑及红外线发射器/接收器，请参考以下步骤：
- ⑤ 将电脑连接至 D50E编码器、被控装置连接至 D50D解码器的 RS-232连接埠，电脑可下达 RS-232指令给被控装置，被控装置即执行下达的指令。
 - ⑥ 将红外线发射器/接收器连接至 D50E编码器及 D50D解码器，可接收遥控器红外线信号，并使用遥控器控制被控装置。
 - ⑦ 连接 VGA显示器至 D50D解码器以输出类比影像及音讯。



3. 控制方式

1. 在 D50C控制器所连接的视讯显示装置上会显示 WebGUI介面，可连接键盘和鼠标于 D50C控制器，并在 WebGUI介面上进行控制及设定。
2. 开启网页浏览器，输入 D50C控制器 CTRL网路连接埠对应的 IP地址，即可在网页上进行控制。

4. Switch 网路交换机设定建议

采用 VoIP传输会使用大量的频宽(尤其解析度越高时)，而且需要搭配支援 Jumbo Frame(巨型封包)与 IGMP Snooping(网际网路组管理协定侦听)的 Gigabit网路交换机，因此强烈建议搭配具备 VLAN(虚拟区域网路)专业网路管理等级的交换机。

1. 请将 Port Frame Size(Jumbo Frame)设定为8000。
2. 请将 IGMP Snooping 及相关设定(Port, VLAN, Fast Leave, Querier)设定为"启用"。