Manuals+ — User Manuals Simplified.

Lumens OIP-D50E 1G 4K AVoIP Encoder User Guide

www.MyLumens.com

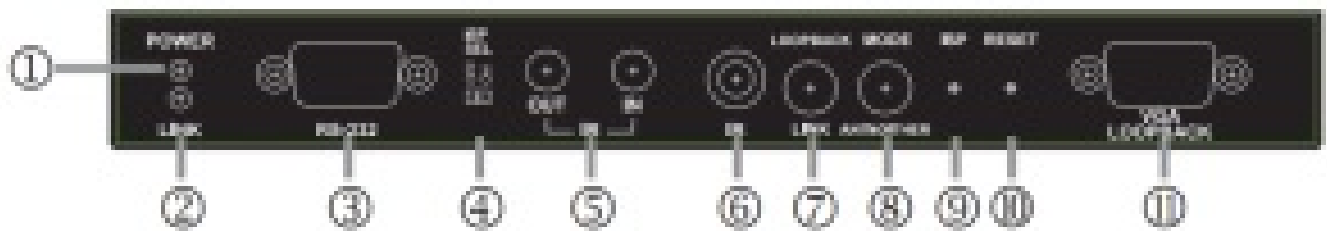**OIP-D50E/D50D Quick Start Guide**

⚠️**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**

Contents

Product Introduction

1.1 OIP-D50E Encoder Overview

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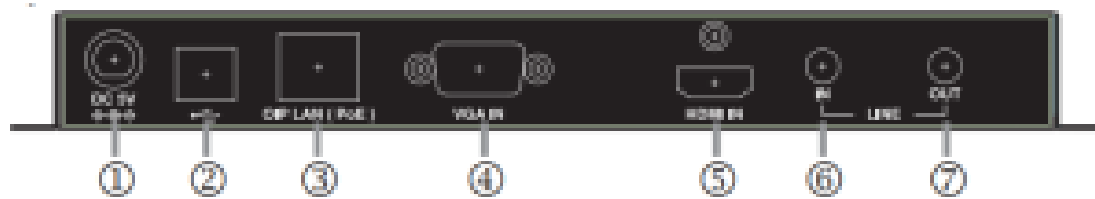9. ISP Button
10. Reset Button
11. VGA Loopback Output Port

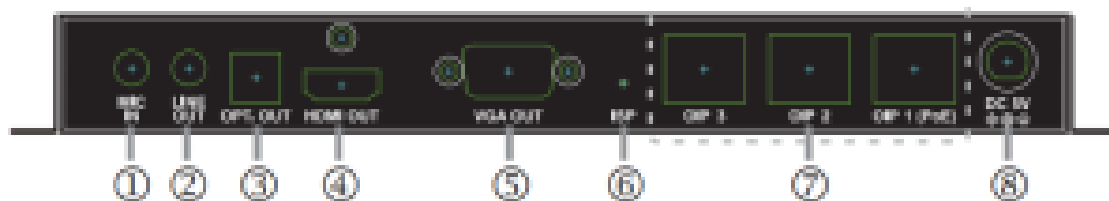**1.2 OIP-D50D Decoder Overview**

Front panel

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

Rear panel

1. Power Port
2. USB Port
3. OIP Network Port
4. VGA Input
5. HDMI Input
6. LINE Input
7. LINE Output

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

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 the 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 – 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. The VGA signal source device can connect to the D50E encoder and the VGA display connects to the D50D decoder to output analog images and audio.
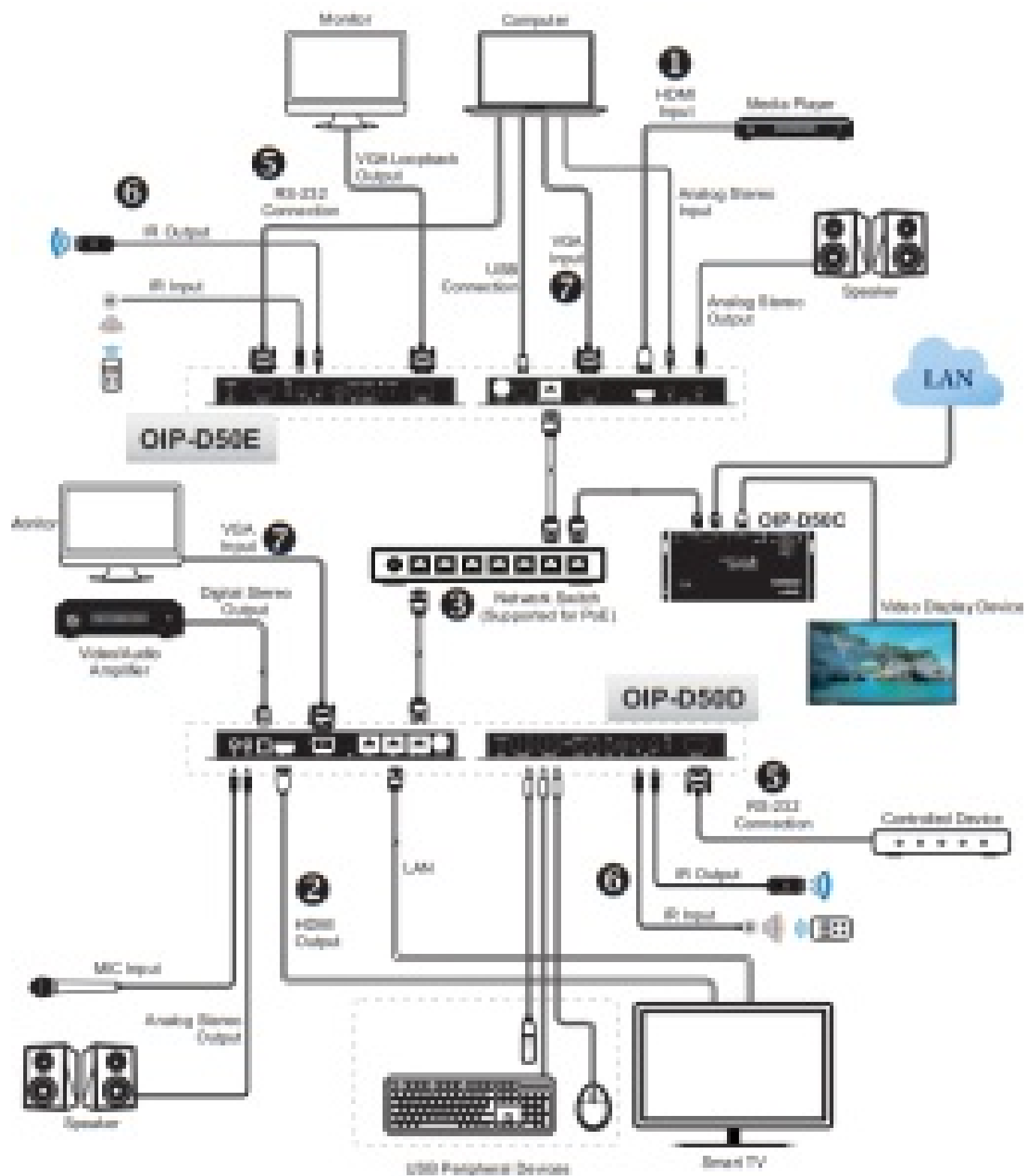
Control Methods

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.

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 that includes VLAN(Virtual Local Area Network) professional network management.
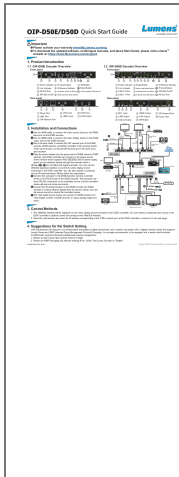
1. Please set Port Frame Size (Jumbo Frame) to 8000.
2. Please set IGMP Snooping and relevant settings (Port, VLAN, Fast Leave, Querier) to "Enable".

Documents / Resources

Lumens OIP-D50E 1G 4K AVoIP Encoder [pdf] User Guide
OIP-D50E, OIP-D50D, 1G 4K AVoIP Encoder