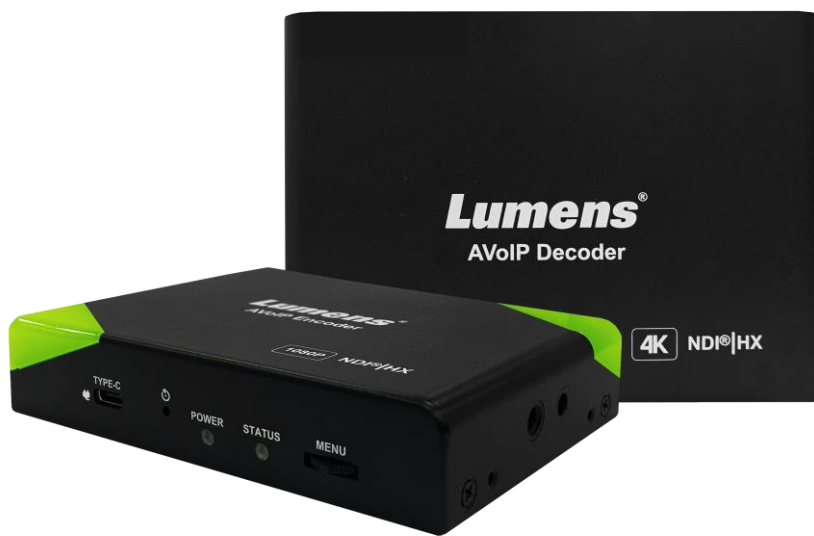


# OIP-N40E Bridge

## User Manual - English



### [Important]

To download the latest version of Quick Start Guide, multilingual user manual, software, or driver, etc., please visit Lumens  
<https://www.MyLumens.com/support>

# Table of Contents

|                  |   |           |
|------------------|---|-----------|
| <b>Chapter 1</b> | <b>Package Contents .....</b>                                   | <b>2</b>  |
| <b>Chapter 2</b> | <b>Product Installation .....</b>                               | <b>3</b>  |
| 2.1              | I/O Interface.....  | 3         |
| 2.2              | Product Installation .....                                      | 3         |
| 2.3              | Description of Indicator Display .....                          | 4         |
| <b>Chapter 3</b> | <b>Product Operation .....</b>                                  | <b>5</b>  |
| 3.1              | Operating using the rocker switch .....                         | 5         |
| 3.2              | Operate via webpages .....                                      | 5         |
| <b>Chapter 4</b> | <b>Product Application and Connection .....</b>                 | <b>6</b>  |
| 4.1              | HDMI Signal Source Transmission Network .....                   | 6         |
| 4.2              | USB Network Camera Extension (OIP-N40E/OIP-N60D required) ..... | 6         |
| <b>Chapter 5</b> | <b>Setting Menu .....</b>                                       | <b>8</b>  |
| <b>Chapter 6</b> | <b>Webpage Interface.....</b>                                   | <b>9</b>  |
| 6.1              | Connecting to Internet .....                                    | 9         |
| 6.2              | Log into the webpage .....                                      | 9         |
| 6.3              | Webpage Menu Description .....                                  | 10        |
| <b>Chapter 7</b> | <b>Troubleshooting .....</b>                                    | <b>20</b> |
| <b>Chapter 8</b> | <b>Safety Instructions .....</b>                                | <b>21</b> |
|                  | <b>Copyright Information.....</b>                               | <b>23</b> |

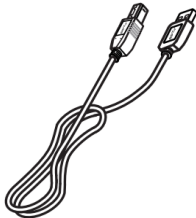
# Chapter 1 Package Contents

---

OIP-N40E



USB 2.0 cable (1.8 M)  
(Type A Type C)



Locking metal plate (x2)

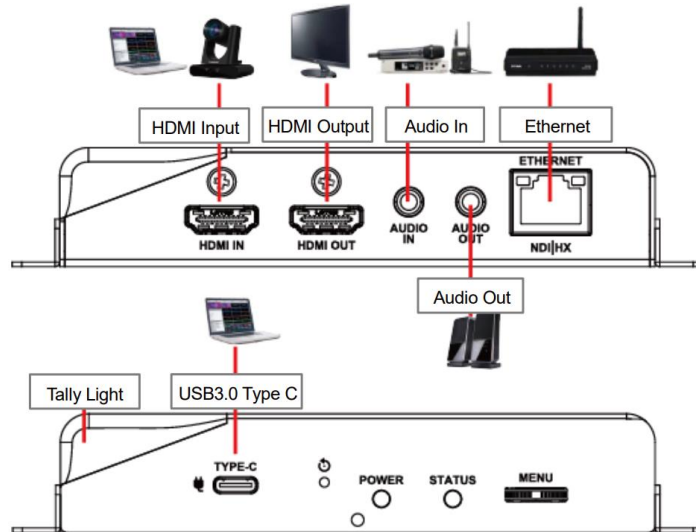


M3 metal plate screw (4x4)



# Chapter 2 Product Installation

## 2.1 I/O Interface

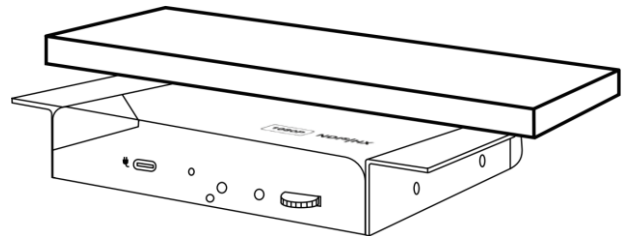


**Note** We recommended using high-performance USB-C cables (10Gbps or higher)

## 2.2 Product Installation

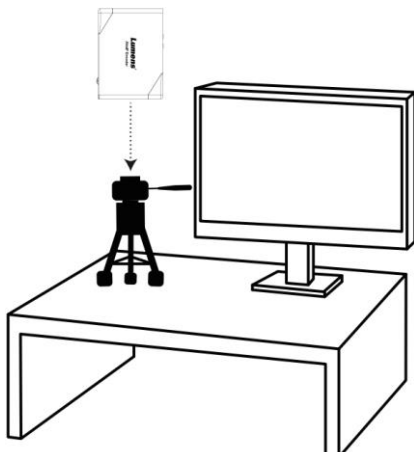
### ■ Using the accessory metal plates

1. Lock the accessory metal plate with screws (M3 x 4) to the lock holes on both sides of the OIP Bridge
2. Screw the metal plate to the desk or other surface as required.



### ■ Tripod mounting

The camera can be mounted on a 1/4"-20 UNC PTZ tripod deck by using the lock holes on the side for the tripod of OIP-N40E



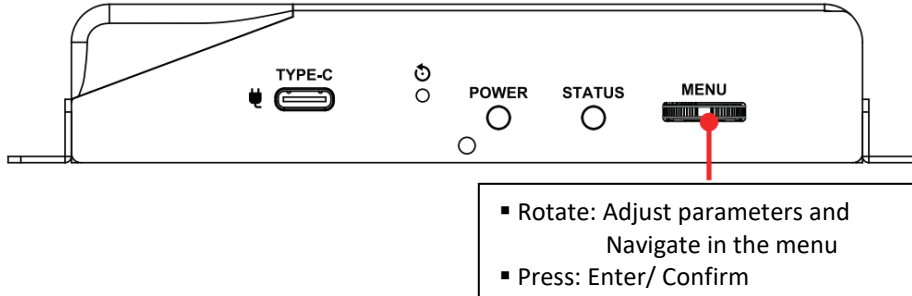
## 2.3 Description of Indicator Display

| Power Status                            | Tally Status | Power     | Standby     | Tally                         |
|---|--------------|-----------|-------------|-------------------------------|
| Startup in progress<br>(initialization) | -            | Red light | -           | Flickering<br>Red/Green light |
| In use                                  | Signal       | Red light | Green light | -                             |
|   | No Signal    |           |             | -                             |
|   | Preview      |           |             | Green light                   |
|   | Program      |           |             | Red light                     |

## Chapter 3 Product Operation

### 3.1 Operating using the rocker switch

Connect the HDMI OUT to the display, press the Menu dial to enter the OSD menu. Move the rocker switch to navigate the menu and adjust the parameters



### 3.2 Operate via webpages

#### (1) Confirm the IP address

Refer to 3.1 Using the rocker switch, confirm the IP address in Status (If the OIP-N40E is directly connected to the computer, the default IP is 192.168.100.100. You need to manually set the computer's IP address in the same network segment.)

| Encode        | Input | Network          | Status |
|---------------|-------|------------------|--------|
| IP Address :  |       | 192.168.4.147    |        |
| Netmask :     |       | 255.255.255.0    |        |
| Gateway :     |       | 192.168.4.254    |        |
| MAC ID :      |       | dc:e2:ac:03:50:3 |        |
| HDMI Output : |       |                  |        |
| FW Version :  |       | 0IA0.00k         |        |
| Exit          |       |                  |        |

#### (2) Open the browser and input the IP address, e.g. 192.168.4.147, to access the login interface.



#### (3) Please enter the account/password to log in

- Account : admin
- Password : 9999

# Chapter 4 Product Application and Connection

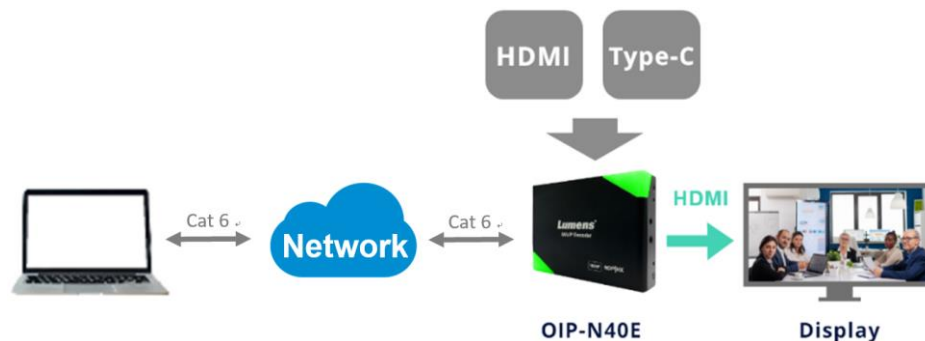
## 4.1 HDMI Signal Source Transmission Network

OIP-N40E converts an HDMI source for transmission over IP.

**Note: When using a USB connection to the OIP, a USB 3.1 Gen2 (10Gbps) cable is required.**

### (1) Connection Method

- Connect the source device to the OIP-N40E HDMI or USB-C input port using a HDMI or USB-C cable
- Connect the OIP-N40E and computer to the network switch using network cables
- Connect the OIP-N40E HDMI OUT to the display using a HDMI cable
- Connect the HDMI source to the OIP-N40E HDMI IN, to capture and synchronize the signal source to the display (Pass-through)



### (2) Webpage Settings

[Stream] > [Source] to select the output signal > [Stream Type] > [Apply]

### (3) Streaming Output

Open streaming media platforms such as VLC, OBS, NDI Studio Monitor, etc., to receive the streaming output.

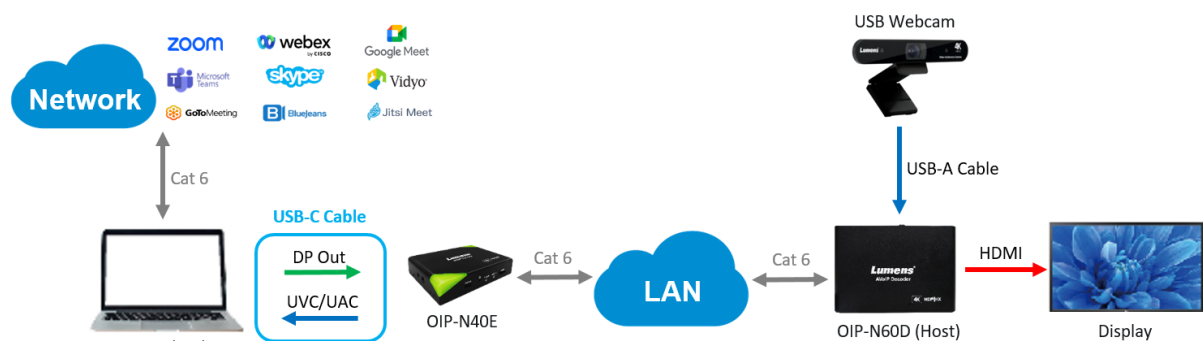
## 4.2 USB Network Camera Extension (OIP-N40E/OIP-N60D required)

OIP supports network bridging. Use OIP-N40E with OIP-N60D to extend the range of USB cameras over the local area network.

**Note: When using a USB connection to the OIP, a USB 3.1 Gen2 (10Gbps) cable is required.**

### (1) Connection Method

- Connect the OIP Bridge to the local network
- Connect the USB camera to the OIP-N60D using USB-A cable
- Connect a monitor to the OIP-N60D using a HDMI cable
- Connect a computer to the OIP-N40E using a USB-C monitor transmission cable



#### Note

- Computers can use a USB-C cable to connect to OIP-N40E and use USB network camera
- Computers can transmit images onto a TV through a USB-C connection to OIP-N40E

- (2) OIP-N60D Webpage Settings
    - [System] > [Output], open USB Extender
  - (3) OIP-N40E Webpage Settings
    - [System] > [Output] > Extender Source List
    - [Search new Source] > Click [Available] to select the OIP-N60D > Connection displays Connected
  - (4) USB Camera Screen Output
    - Launch Zoom, Microsoft Teams, or your preferred video conferencing app.
    - Choose the video source, to output USB camera images
- Note** Source Name: Select the USB Camera ID



## Chapter 5 Setting Menu

---

Using the rocker switch **[Menu]** enter the setting menu; the **bold underlined** values in the following table are defaults.

| 1st Level<br>Major Items | 2nd Level<br>Minor Items | 3rd Level<br>Adjustment Values             | Function Descriptions                         |
|--------------------------|--------------------------|--|---|
| <b>Encode</b>            | Stream Type              | <b><u>NDI HX</u></b> / RTSP / RTMP / RTMPS | Select the stream type                        |
| <b>Input</b>             | HDMI-in From             | <b><u>Auto</u></b> / HDMI/ DP              | Select the input source                       |
| <b>Network</b>           | IP Mode                  | Static/ <b><u>DHCP</u></b> / Auto          | Dynamic Host Configuration                    |
|                          | IP Address               | <b><u>192.168.100.100</u></b>              | Configurable when set to <b><i>Static</i></b> |
|                          | Subnet mask (Netmask)    | <b><u>255.255.255.0</u></b>                |   |
|                          | Gateway                  | <b><u>192.168.100.254</u></b>              |   |
| <b>Status</b>            | -                        | -  | Display the current machine status            |

# Chapter 6 Webpage Interface

---

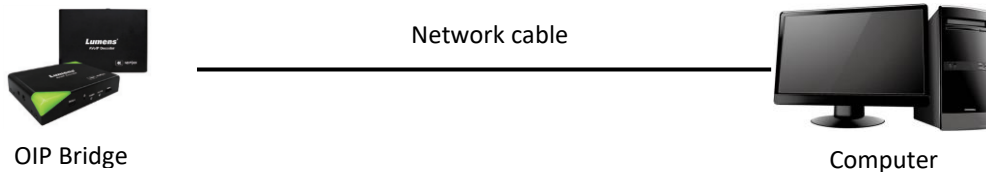
## 6.1 Connecting to Internet

Two common connection methods are shown below

1. Connecting via switch or router



2. To connect directly using a network cable, the IP address of the keyboard/computer should be changed and set as the same network segment.



## 6.2 Log into the webpage

1. Open the browser, and enter the URL of OIP-N in the IP address bar

E.g.: <http://192.168.4.147>

2. Enter the administrator's account and password

Note

For a first-time login, please refer to [6.3.8 System- User](#) to change the default password

|                            |
|----------------------------|
| Lumens OIP Bridge          |
| ● Account: admin           |
| ● Password: 9999 (Default) |

## 6.3 Webpage Menu Description

### 6.3.1 Dashboard

**Function Descriptions**

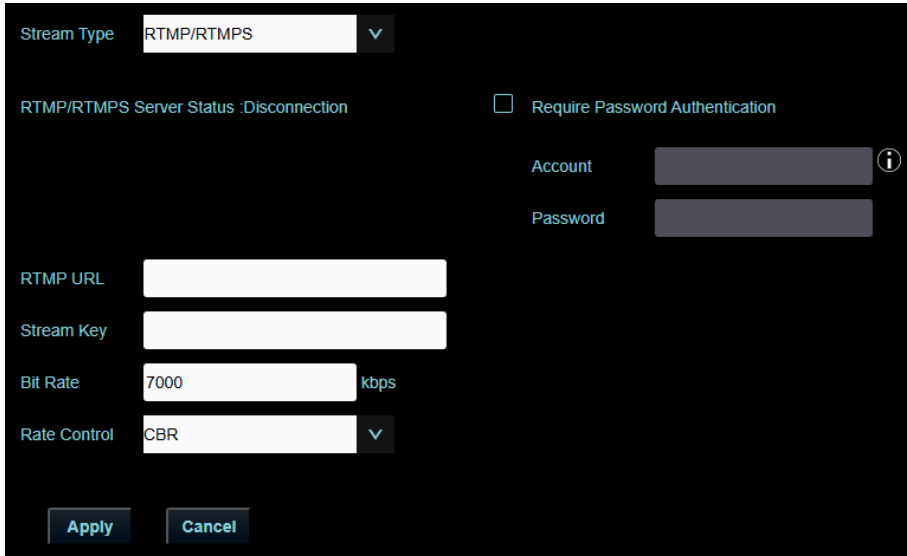
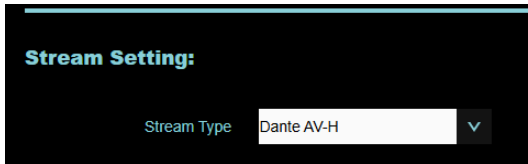
Display input, encode, virtual USB and system related information

HELLO: Enable this button to make the indicator light on the unit blink for one minute. It will then automatically turn off.

### 6.3.2 Stream

| No | Item        | Description                               |
|----|-------------|---|
| 1  | Source      | Auto / HDMI / DP                          |
| 2  | Resolution  | 1080P / 720P                              |
| 3  | Frame Rate  | 60 / 59.94 / 50 / 30 / 29.97 / 25         |
| 4  | IP Ratio    | 30  |
| 5  | Stream Type | NDI HX / RTSP / RTMP / RTMPS / Dante AV-H |

|     |             |  |
|-----|-------------|--|
| 5.1 | NDI HX      | <div data-bbox="422 116 866 784"> </div> <ul style="list-style-type: none"> <li>▪ Camera ID/Location: Name/Location display according to System Output settings</li> <li>▪ Group Name: The group name can be modified here and set with Access Manager - Receive in NDI Tool</li> <li>▪ NDI HX: HX2/HX3 is supported</li> <li>▪ Multicast: Enable/Disable Multicast</li> </ul> <p><b>Note</b> It is suggested to enable Multicast when the number of users online watching the live image simultaneously is more than 4</p> <li>▪ Discovery Server: Discovery service. Check to enter the Server IP address</li> |
| 5.2 | RTSP/ RTSPS | <div data-bbox="422 1164 866 1787"> </div> <ul style="list-style-type: none"> <li>▪ Codec (Encode Format): H.264/HEVC<br/>RTMP/ RTMPS only support H.264</li> <li>▪ Bit Rate: Setting range 2,000 ~ 20,000 kbps</li> <li>▪ Rate Control: CBR/VBR</li> <li>▪ RTSP URL: Output the image with RTSP URL</li> <li>▪ Multicast: Enable/Disable Multicast</li> </ul>   |

|     |            |  |
|-----|------------|--|
|     |            | <p>When the number of users online watching the live image simultaneously is more than 4.</p> <ul style="list-style-type: none"> <li>Authentication: Enable/Disable Username/Password Authentication</li> </ul> <p>The username/password is the same as the webpage login password, please refer to 6.1.10 System- User to add/modify account information</p>              |
| 5.3 | RTMP/RTMPS |  <ul style="list-style-type: none"> <li>RTMP URL: Enter the RTMP URL</li> <li>Stream Key: Enter the Stream Key</li> <li>Bit Rate: 2,000 ~ 20,000 kbps</li> <li>Rate Control: Choose from CBR / VBR</li> <li>Required Password Authentication: Enable / Disable authentication</li> </ul> |
| 5.4 | Dante AV-H |  <p>Choos Dante to enable Dante AV-H function.</p>  |

### 6.3.3 Source

The screenshot shows the 'Source List' interface. On the left is a sidebar with navigation options: Dashboard, Stream, Source (highlighted), Audio, System, Maintenance, and About. The main area has a 'Source List' table with columns: No., Name, Location, IP Add., Type, Status, and Remark. Below the table are buttons for navigation (up/down arrows), Edit, Delete, and Play. To the right of the table is a 'Search New Source' button and a 'Search Mode' dropdown set to 'NDI & ONVIF'. Below the table are 'NDI Options' and 'RTSP Options' sections. The 'NDI Options' section includes a 'Group Name' field (set to 'Public'), a 'Discovery Service' checkbox, and a 'Server IP' field. The 'RTSP Options' section includes an 'RTSP Protocol' dropdown (set to 'TCP'). At the bottom are 'Apply' and 'Cancel' buttons.

| No. | Name   | Location | IP Add.       | Type       | Status | Remark    |
|-----|--------|----------|---------------|------------|--------|-----------|
| 1   | -----  | -----    | -----         | Dante AV-H | OK     | For Dante |
| 2   | VC-A53 | Default  | 192.168.4.85  | RTSP       | OK     | 8557/h264 |
| 3   | VC-A53 | Default  | 192.168.4.120 | RTSP       | OK     | 8557/h264 |

| No | Item              | Description   |
|----|-------------------|---|
| 1  | Search New Source | Click to search for devices in the same network segment and display them in the list  |
| 2  | +Add              | Manually add a device   |
| 3  | Search Mode       | Search from NDI&ONVIF, only NDI, and only ONVIF                                       |
| 4  | Play              | Select a device, click to play  |
| 5  | Group Name        | The group name can be modified here and set with Access Manager - Receive in NDI Tool |
| 6  | Discovery Service | Discovery service. Select to enter the Server IP address                              |
| 7  | RTSP Options      | Choose from TCP and UDP   |

#### Dante controller

This screenshot shows a more detailed view of the 'Source List' interface. The table lists various sources, including 'VC-TR60-Dante-AV-H' and 'VC-TR60-Dante-AV-H'. The 'Dante AV-H' source is highlighted. Below the table are buttons for navigation (up/down arrows), Edit, Delete, and Play. The 'Play' button is highlighted with a red box.

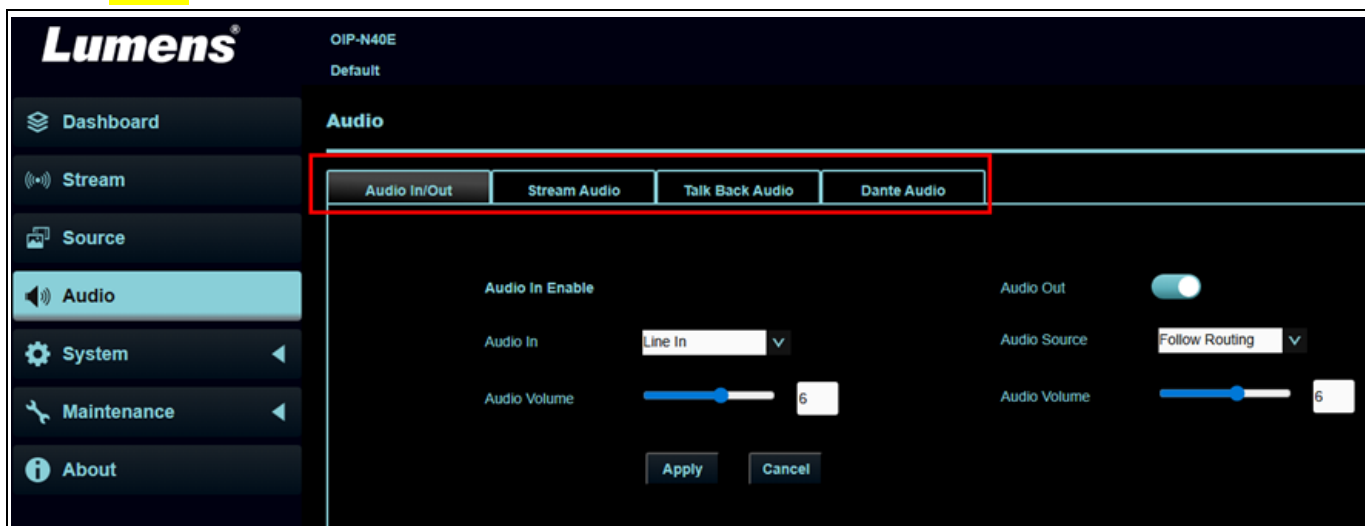
| No. | Name                            | Location      | IP Add.       | Type  | Status | Remark    |
|-----|---------------------------------|---------------|---------------|-------|--------|-----------|
| 1   | VC-TR60-Dante-AV-H              | Default       | 192.168.4.125 | RTSP  | OK     | 8557/h264 |
| 2   | VC-TR60-Dante-AV-H              | Default       | 192.168.4.125 | RTSP  | OK     | 8557/h264 |
| 3   | VC-TR61-AE                      | Default       | 192.168.4.63  | ONVIF | Login  |           |
| 4   | IP-Camera                       | country/china | 192.168.4.48  | ONVIF | Login  |           |
| 5   | VC-TR41-AE                      | Default       | 192.168.4.92  | ONVIF | Login  |           |
| 6   | BC-200                          | Default       | 192.168.4.94  | ONVIF | Login  |           |
| 7   | VC-TR60A-HW                     | MyCamera      | 192.168.4.120 | ONVIF | Login  |           |
| 8   | VC-TR60A                        | MyCamera      | 192.168.4.116 | ONVIF | Login  |           |
| 9   | VC-BC301P                       | Default       | 192.168.4.29  | ONVIF | Login  |           |
| 10  | VC-TR70-AE                      | Default       | 192.168.4.69  | ONVIF | Login  |           |
| 11  | CV355-27X-IP                    | Default       | 192.168.4.11  | ONVIF | Login  |           |
| 12  | VC-A71P-HN-3                    | Default       | 192.168.4.109 | ONVIF | Login  |           |
| 13  | VC-B50U-HW                      | MyCamera      | 192.168.4.97  | ONVIF | Login  |           |
| 14  | VC-TR30-AE                      | MyCamera      | 192.168.4.55  | ONVIF | Login  |           |
| 15  | VC-TR40N-2                      | MyCamera      | 192.168.4.23  | ONVIF | Login  |           |
| 16  | N600-ABCDEFGHIJKLMNPOQRSTUVWXYZ | Default       | 192.168.4.131 | ONVIF | Login  |           |


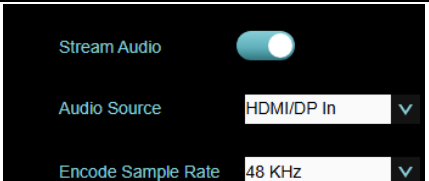
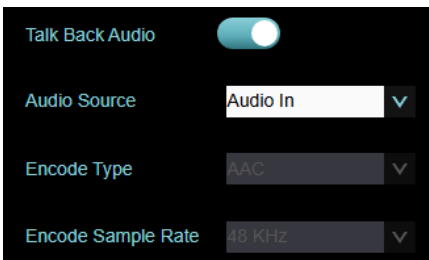
To ensure the unit OIP unit can be recognized by the Dante Controller after enabling the Dante function, please follow the steps below:

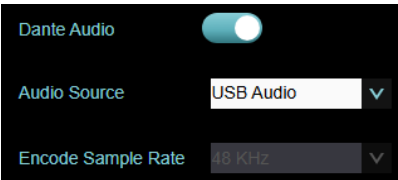
1. Access the unit's web page
2. Navigate to the [Source] section
3. Select [Dante AV-H] as the source
4. Click [Play] to activate the stream

Remark: If the play button is not activated, the device will not be detected properly by the Dante Controller.

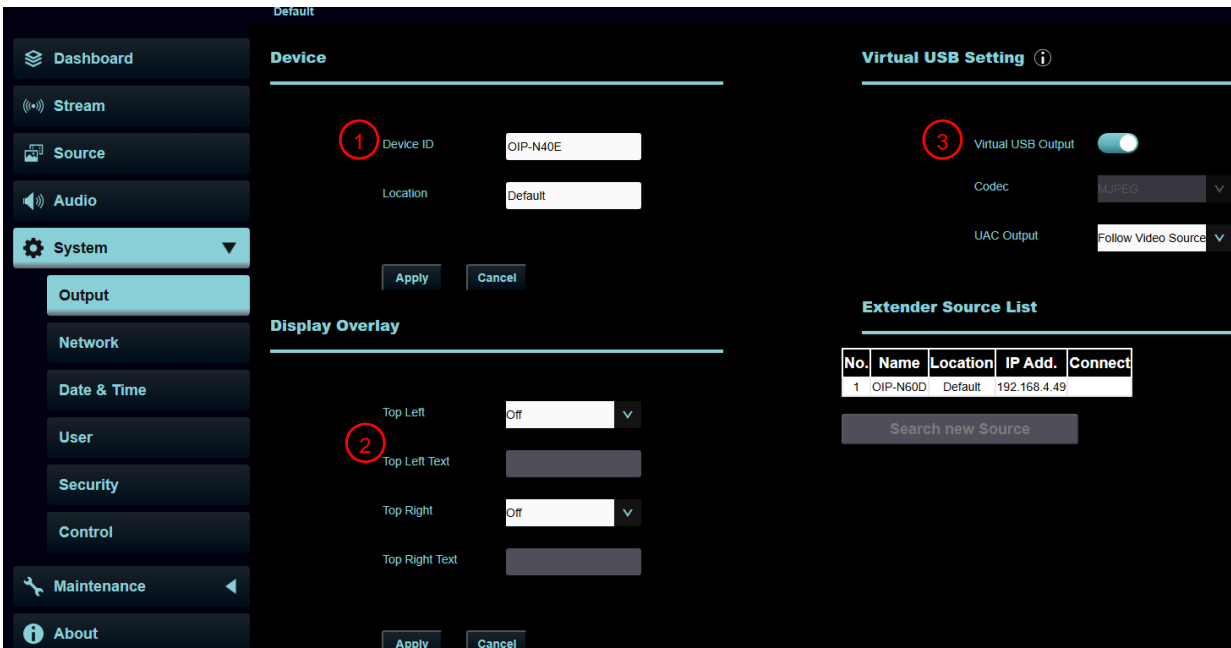
### 6.3.4 Audio



| No | Item            | Description   |
|----|-----------------|---|
| 1  | Audio In / Out  |  <ul style="list-style-type: none"> <li>Audio In: Line in / Mic in</li> <li>Audio Out: On / Off</li> <li>Audio Out Source: Follow Routing / Stream / Dante</li> <li>Audio Volume: 0~10</li> </ul>       |
| 2  | Stream Audio    |  <ul style="list-style-type: none"> <li>Stream Audio : Enable / Disable audio</li> <li>Audio Source: HDMI in / DP In / Audio in / USB Audio</li> <li>Encode Sample Rate: 48 / 44.1 / 16 KHz</li> </ul> |
| 3  | Talk Back Audio |  <ul style="list-style-type: none"> <li>Talk Back Audio: On / Off</li> <li>Audio Source: Audio in / USB Audio</li> <li>Encode Type: AAC</li> <li>Encode Sample Rate: 48KHz</li> </ul>                  |

|   |  |  |
|---|--|--|
| 4 | <p>Dante Audio</p> <p>(After activating the Dante license)</p> |  <ul style="list-style-type: none"> <li>▪ Dante Audio: On / Off</li> <li>▪ Audio Source: HDMI in/ DP in/ Audio in / USB Audio</li> <li>▪ Encode Sample Rate: 48KHz</li> </ul> |
|---|--|--|

### 6.3.5 System- Output



| No | Item                 | Description  |
|----|----------------------|--|
| 1  | Device ID/ Location  | <p>Device Name/Location</p> <ul style="list-style-type: none"> <li>▪ The name is limited to 1 - 12 characters</li> <li>▪ The location is limited to 1 - 11 characters</li> <li>▪ Please use uppercase and lowercase letters or numbers for characters. Special symbols such as “/” and “space” cannot be used</li> </ul> <p><b>Note</b> Modifying this field will modify the Onvif device name/location.</p> |
| 2  | Display Overlay      | Customize the position of the “date and time”, or “custom content”, to display in the top left or top right corner of the output.  |
| 3  | Virtual USB Setting  | <p>Virtual USB output: Enable / Disable</p> <p>Codec: MJPEG</p> <p>UAC Output: OFF / Follow Video / Follow Dante / Follow Routing</p>  |
| 4  | Extender Source List | Display the available extender source devices in the network.  |



6.3.6 System- Network

Dashboard

Stream

Audio

System

Output

Network

Date & Time

User

Maintenance

About

Network

1

DHCP

IP Address

192.168.4.32

Netmask

255.255.255.0

Gateway

192.168.4.254

DNS

0.0.0.0

MAC Address

dc:e2:ac:03:50:46

2

HTTP Port

80

Apply

Cancel

| No | Item      | Description   |
|----|-----------|---|
| 1  | DHCP      | Ethernet setting for OIP Bridge. Change of setting is available when DHCP function is disabled. |
| 2  | HTTP Port | Set HTTP port. The default Port value is 80   |

6.3.7 System- Date & Time

Dashboard

Stream

Audio

System

Output

Network

Date & Time

User

Maintenance

About

Date & Time

Time in Device

Date

2000/01/01

Time

05:30:53

Time Setting

Set Manually

Date

2023/11/13

Hours

13

Minutes

58

Seconds

33

Apply

Cancel

| Function Descriptions  |  |
|--|--|
| Display the current device/computer date and time, and set the display format and synchronization method<br>When Manually Set is selected for [Time Settings], Date & Time can be customized |  |

Lumens®

16

6.3.8 System- User

Dashboard

Stream

Audio

System

Output

Network

Date & Time

User

Maintenance

About

User

Edit

DEL

|                                  | User Name | Authorization Mode |
|----------------------------------|-----------|--------------------|
| <input type="checkbox"/>         | admin     | Administrator      |
| <input type="button" value="+"/> |           |                    |

Function Descriptions

Add/Modify/Delete user account

- Supporting 4 - 32 characters for user name and password
- Please use uppercase and lowercase letters or numbers for characters. Special symbols or the underlined cannot be used
- Authentication Mode: Set the new account management permissions

|                            |       |        |
|----------------------------|-------|--------|
| User Type                  | Admin | Viewer |
| View                       | V     | V      |
| Setting/Account management | V     | X      |

※When Factory Reset is executed, it will clear the user's data

6.3.9 System – Security

Dashboard

Stream

Source

Audio

System

Output

Network

Date & Time

User

Security

Control

Maintenance

About

Security

HTTP Authentication

Digest

802.1x Setting

Enable☐

EAP Identify

EAP Password

EAP Method

PEAP

Import

Choose File

CA Certificate

Issuer DN

Subject DN

Available Period -

Function Descriptions

HTTP Authentication: Choose from Digest / Basic / Off

802.1x Setting: Enable / Disable

6.3.11 Maintenance - Update

Dashboard

Stream

Source

Audio

System

Maintenance

Update

Reboot

About

Maintenance

1 [Click here to check the latest firmware.](#)

Firmware Ver. OIA1.19

2 Firmware Update

Upgrade

3 Factory Reset

Reset

☐ Except the network settings

4 Setting Profile

Save

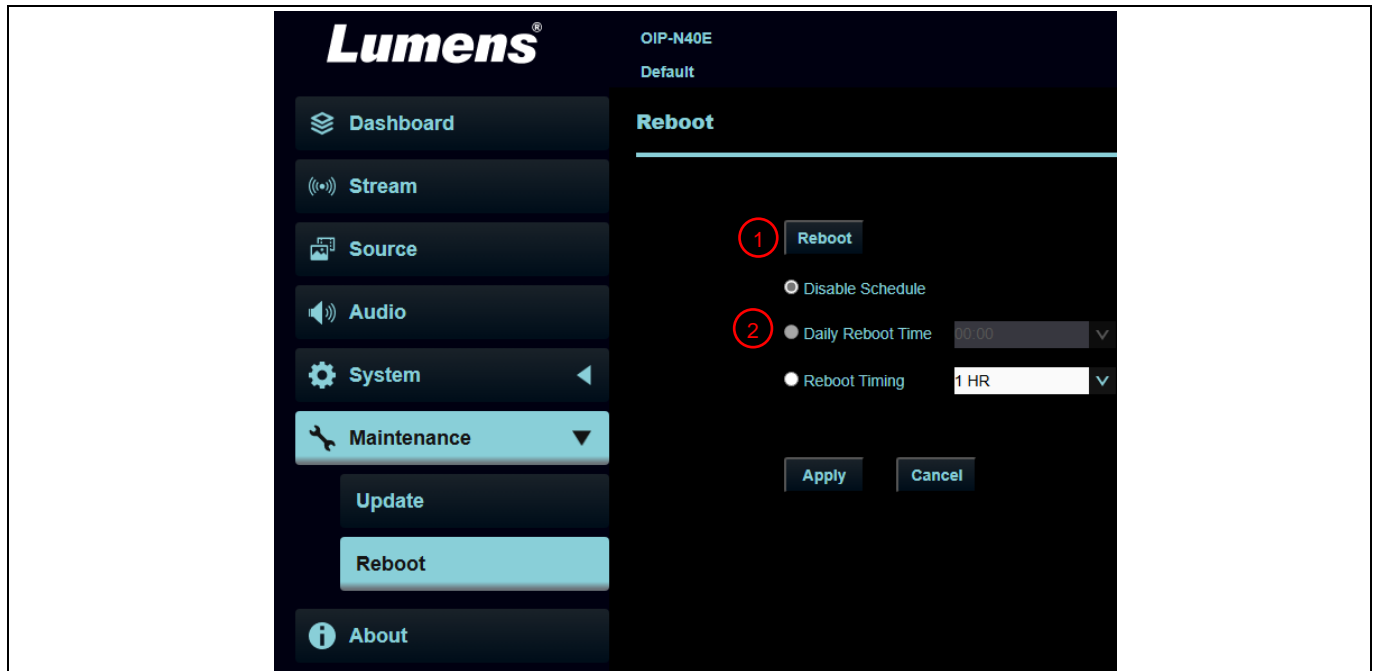
Load

5 Log

Export

|   |                 |  |
|---|-----------------|--|
| 3 | Factory Reset   | Reset all configurations to factory default settings                   |
| 4 | Setting Profile | Save setup parameters. Users can save and load device setup parameters |
| 5 | Log             | Export the log file containing the records from the recent period.     |

### 6.3.12 Maintenance – Reboot



| No | Item            | Description  |
|----|-----------------|--|
| 1  | Reboot          | Click the button to reboot the unit  |
| 2  | Schedule Reboot | <p>Disable Schedule: Turn off the schedule reboot function.</p> <p>Daily Reboot Time: Set the exact time the unit will automatically reboot. (Can only be enabled when SNTP is selected in the Time Setting section.)</p> <p>Reboot Timing: Set the reboot interval, from 1 to 24 hours.</p> |

### 6.3.13 About

| Function Descriptions  |
|--|
| Display the firmware version, serial number, and other related information of the OIP Bridge |
| For technical support, please scan the QR Code at the bottom right for assistance            |

## Chapter 7 Troubleshooting

This chapter describes problems you may encounter while using OIP Bridge. If you have questions, please refer to related chapters and follow all the suggested solutions. If the problem still occurs, please contact your distributor or the service center.

| No. | Problems   | Solutions  |
|-----|--|--|
| 1.  | OIP-N40E cannot display the signal source screen                               | <ol style="list-style-type: none"><li>1. Confirm that the cables are fully connected. Please refer to <a href="#">Chapter 4, Product Application and Connection</a></li><li>2. Confirm that the input signal source resolution is 1080p or 720p</li><li>3. Confirm that USB-C cables are recommended to use specifications with a transmission rate of 10Gbps or higher</li></ol>  |
| 2.  | OIP-N40E webpage USB extender cannot find OIP-N60D on the same network segment | <ol style="list-style-type: none"><li>1. Confirm that the OIP-N60D has enabled the USB extender function</li><li>2. Confirm that the management switch in the network has disabled the blocking of multicast packets</li></ol>   |
| 3.  | Recommended specifications for USB-C cables                                    | Transfer rate of 10 Gbps or higher   |
| 4.  | Recommended Switch Configuration   | <p>When using OIP-N products with a network switch, it is recommended to configure the following settings:</p> <ol style="list-style-type: none"><li>1. Select a switch where every port supports 1Gbps transmission</li><li>2. Use a switch that supports QoS (Quality of Service) with 4 queues and strict priority; QoS should be enabled when both 100Mbps and 1Gbps devices exist in the same local network</li><li>4. Enable IGMP Snooping</li><li>5. It is recommended to choose a managed switch (Layer 2 or above)</li><li>6. It is advisable to disable EEE (Energy Efficient Ethernet) or similar power-saving features</li></ol> |

# Chapter 8 Safety Instructions

Always follow these safety instructions when setting up and using the product:

## 1 Operation

- 1.1 Please use the product in the recommended operating environment, away from water or source of heat.
- 1.2 Do not place the product on a tilted or unstable trolley, stand or table.
- 1.3 Please clean the dust on the power plug prior to usage. Do not insert the product's power plug into a multiplug to prevent sparks or a fire.
- 1.4 Do not block the slots and openings in the case of the product. They provide ventilation and prevent the product from overheating.
- 1.5 Do not open or remove covers, otherwise it may expose you to dangerous voltages and other hazards. Refer all servicing to licensed service personnel.
- 1.6 Unplug the product from the wall outlet and refer servicing to licensed service personnel when the following situations happen:
  - If the power cords are damaged or frayed.
  - If liquid is spilled into the product or the product has been exposed to rain or water.

## 2 Installation

- 2.1 For security considerations, please make sure the standard mount you use is in line with UL or CE safety approbations and installed by technician personnel approved by agents.

## 3 Storage

- 3.1 Do not place the product where the cord can be stepped on as this may result in fraying or damage to the lead or the plug.
- 3.2 Unplug this product during thunderstorms or if it is not going to be used for an extended period.
- 3.3 Do not place this product or accessories on top of vibrating equipment or heated objects.



## 4 Cleaning

- 4.1 Disconnect all the cables prior to cleaning and wipe the surface with a dry cloth. Do not use alcohol or volatile solvents for cleaning.

## 5 Batteries (for products or accessories with batteries)

- 5.1 When replacing batteries, please only use similar or the same type of batteries
- 5.2 When disposing of batteries or products, please adhere to the relevant instructions in your country or region for disposing of batteries or products

## ■ Precautions

|   |   |  |   |
|---|---|--|---|
|  | This symbol indicates that this equipment may contain dangerous voltage which could cause electric shock. Do not remove the cover (or back). No user-serviceable parts inside. Refer servicing to licensed service personnel. |  | This symbol indicates that there are important operating and maintenance instructions in this User Manual with this unit. |
|---|---|--|---|

## ■ FCC Warning

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Notice :

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are to provide reasonable protection from harmful interference in residential installations.

■ **IC Warning**

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the interference-causing equipment standard entitled "Digital Apparatus," ICES-003 of Industry Canada.

Cet appareil numérique respecte les limites de bruits radioélectriques applicables aux appareils numériques de Classe B prescrites dans la norme sur le matériel brouilleur: "Appareils Numériques," NMB-003 édictée par l'Industrie.

# Copyright Information

---

Copyrights © Lumens Digital Optics Inc. All rights reserved.

Lumens is a trademark that is currently being registered by Lumens Digital Optics Inc.

Copying, reproducing or transmitting this file is not allowed if a license is not provided by Lumens Digital Optics Inc. unless copying this file is for the purpose of backup after purchasing this product.

In order to keep improving the product, the information in this file is subject to change without prior notice.

To fully explain or describe how this product should be used, this manual may refer to names of other products or companies without any intention of infringement.

Disclaimer of warranties: Lumens Digital Optics Inc. is neither responsible for any possible technological, editorial errors or omissions, nor responsible for any incidental or related damages arising from providing this file, using, or operating this product.