User Guide

Omada SightCast

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About This Guide

This User Guide provides information for using and managing the SightCast. It explains the web functions and shows you how to configure them.

Conventions

When using this guide, notice that:

- Features available in the SightCast may vary due to your region, device model, and firmware version. All images, steps, and descriptions in this guide are only examples and may not reflect your actual experience.
- The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute the warranty of any kind, express or implied. Users must take full responsibility for their application of any products.
- This guide uses the specific formats to highlight special messages. The following table lists the conventions that are used throughout this guide.

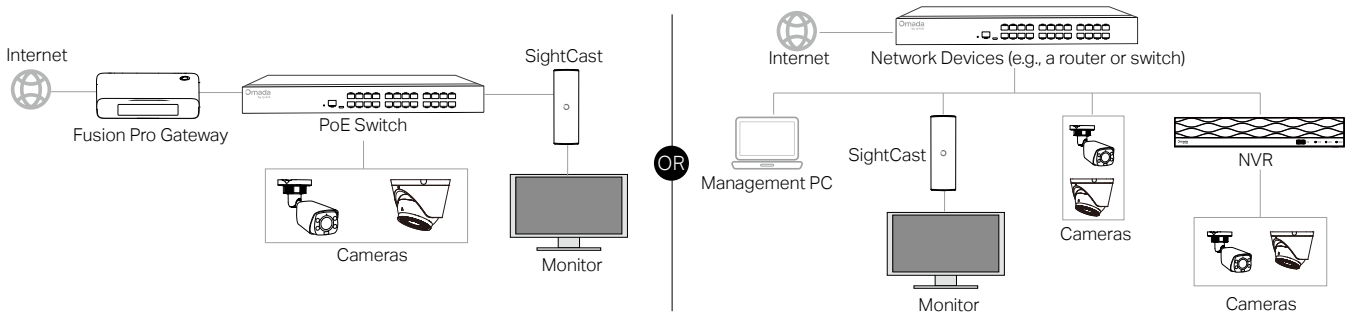
Bold	Indicates contents to be emphasized and texts on the web page, including the menus, tabs, buttons and so on.
>	The menu structures to show the path to load the corresponding page.
Note	Indicates information that helps you make better use of your device.

More Information

- The latest software and documentations can be found at https://support.omadanetworks.com/document/.
- The Installation Guide (IG) can be found where you find this guide or inside the package of the SightCast.
- Specifications can be found on the product page at https://www.omadanetworks.com/.
- Our Technical Support contact information can be found at the Contact Technical Support page at https://support.omadanetworks.com/.

1 Set Up SightCast

To view multiple cameras, you should prepare a network device, such as a switch or a router, and must first initialize and configure the cameras. Connect the SightCast and cameras to the network device to ensure they are in the same network.

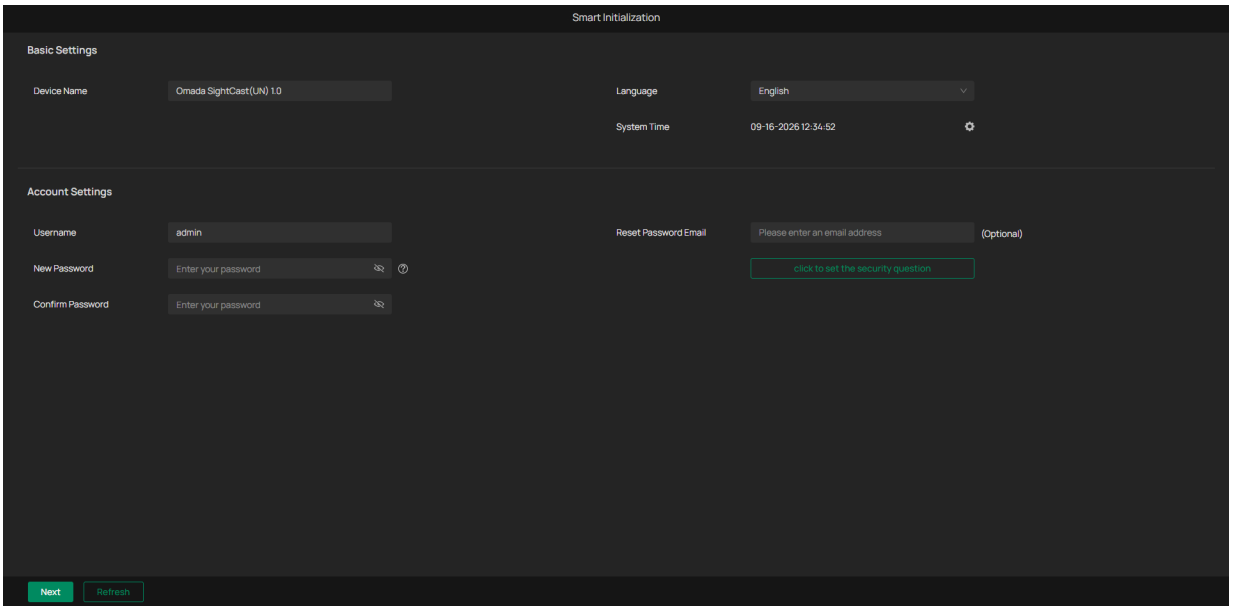


1. Connect the MAIN port of the SightCast to a PSE device (e.g., a PoE switch).

Note: If you don't have a PSE device, connect the MAIN port of the SightCast to your network device, and connect the Type-C port to the power source via a DC power adapter.

2. Connect the HDMI port of the SightCast to a monitor using the HDMI cable, and power on the monitor. Then, you can view the cameras' feed on the monitor. The monitor screen settings can be configured via the web management page.
3. On the management PC, open a web browser and enter https:// followed by your SightCast's IP address. The default IP address is 192.168.0.240. If the IP address has been assigned by DHCP, you can find it in your DHCP server's (e.g., a router or switch) DHCP client list.

Note: The SightCast can also be configured and managed via the Omada Guard app or an Omada Fusion Pro gateway.



1) Confirm the Basic Settings.

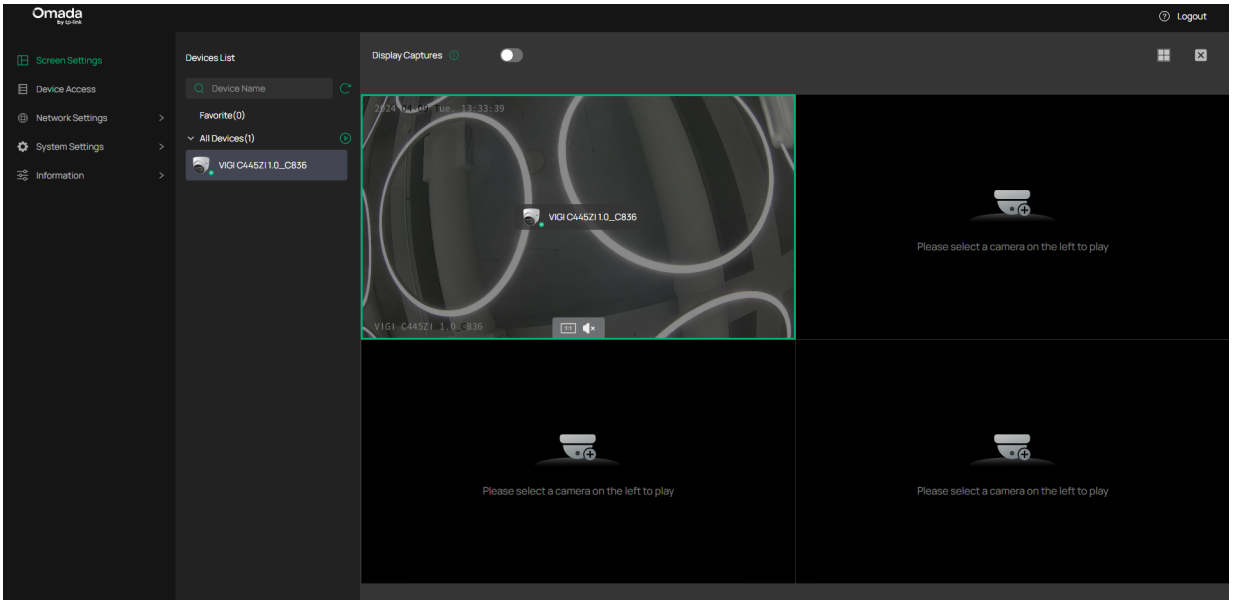
Device Name	Displays the name of the device. You can change it as needed.

Language	Set the system language of the device.
System Time	Displays the system time of the device. You can click the Settings button to configure the time settings.

2) Configure the account settings.

Username	Displays the name used to log in to the SightCast. It is admin by default.
New Password	Set the password of your SightCast.
Confirm Password	Confirm the password of your SightCast.
Password Recovery Email	(Optional) Set an email address or security questions to reset the password of your SightCast. You can also click to set the security question.

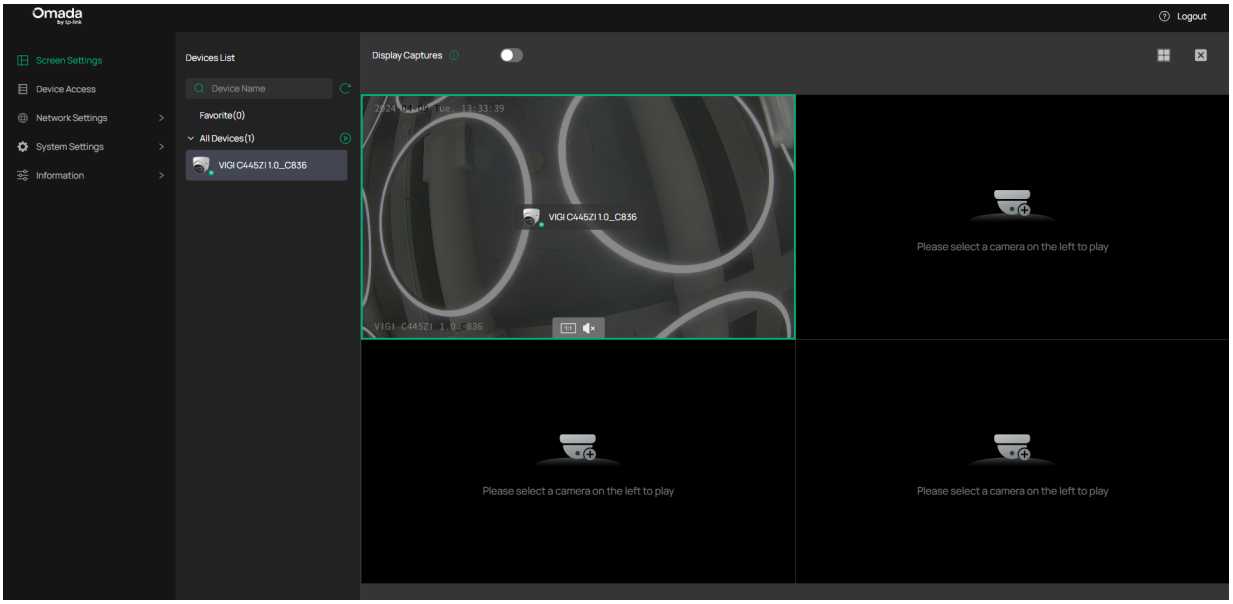
4. Click **Next**, and you will be directed to the management page. And the initialized devices in the same network as the SightCast are automatically displayed in the **Screen Settings** > **Device List**. You can select a screen and click the desired camera to play the camera. Please note that the settings here are for monitor view only. You can not watch the live view via the web management page.



2 Screen Settings

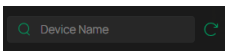
On the web management page you can configure the display settings for monitor view. Note that you can not watch the live view via the web management page. Up to 25 devices can be played simultaneously.

Go to **Screen Settings** > **Device List**, and you can see the devices added. The cameras managed by the NVR are displayed under the NVR. Select one window, and click one device on the left panel or drag a device to the desired window, then the device's image thumbnail will display, and you can configure the following parameters for the monitor view.

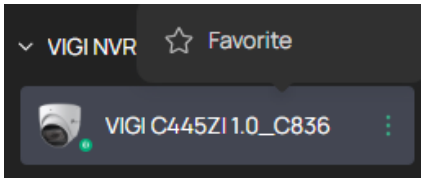
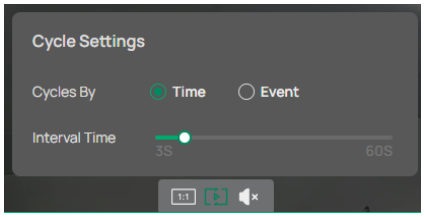


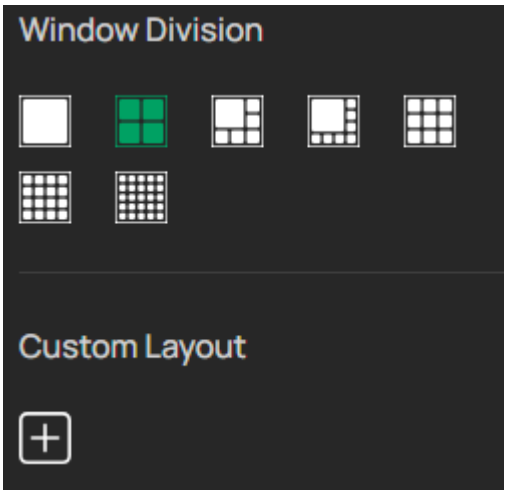
You can add multiple devices to a window, and then configure the **Cycle Settings** to determine how this window on the monitor view to play the cameras.





You can enter the device name to quickly search the desired device. Click the to refresh the device list.

Favorite	Click three dots behind the desired device and click Favorite to add the device the Favorite list. 
Play All	Click to play all devices in the windows.
Display Captures	When enabled, a sidebar will appear on the right of monitor view. If Human/Vehicle Attribute or Face Recognition is enabled, captured images will be displayed there in real time.
Aspect Ratio	Click to set the aspect ratio for each camera image. 
Cycle Settings	Click **Cycle Settings** to control how this window displays cameras when multiple cameras are added to the same window. **Cycle By:** **Time:** Set the interval. The window switches between cameras at the specified interval. **Event:** When a device in the window detects an event, the window switches to that device's video. If no events are detected, the window stays on the first device and doesn't cycle. Note: If a camera is managed by an NVR and network isolation is enabled on the NVR, change the ONVIF connection method to HTTP on the NVR for Cycle by Event to work properly. 
Sound	Click to enable audio and adjust the camera volume. Only one window can have audio enabled at a time. If you enable audio for another window, audio for the previously enabled window will be turned off automatically.

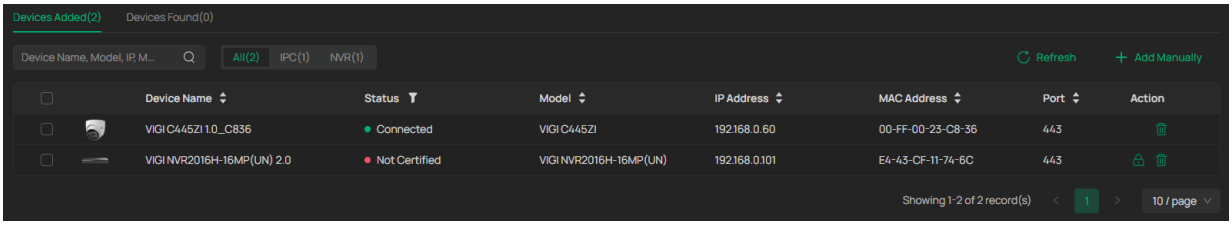
Number of Screen	Click to set the number of screens for the monitor view. You can choose one default screen layout or click + to add a specific layout. 
Clear Window	Click to clear all window displays.

3 Device Access

Only the initialized cameras on the same local network as the SightCast will be automatically displayed on the **Devices Added** page or the **Devices Found** page.

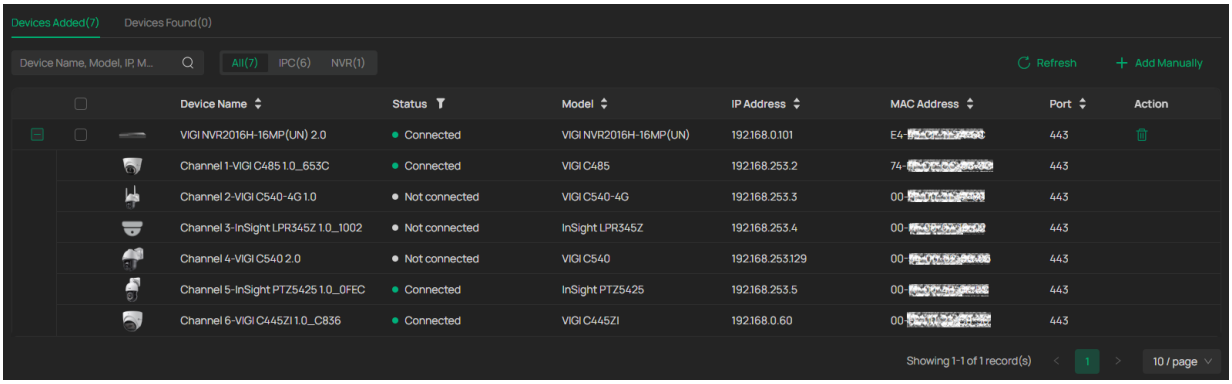
■ Devices Added

You can add up to 80 devices (including 64 cameras and 16 NVRs). The limit of 64 cameras encompasses both standalone cameras and those managed by an NVR. If the number of discovered devices exceeds this limit, the system will display an error message, and the devices exceeding the limit will remain on the **Devices Found** page. To add these found devices, delete some devices on the **Devices Added** page. Then the devices on the **Devices Found** page will be automatically added to **Devices Added** list.



The cameras managed by the NVR are under the NVR. Click + to display cameras.

Note: If you add a camera individually first, and subsequently add an NVR that already manages this camera, this camera will be automatically categorized under the NVR.

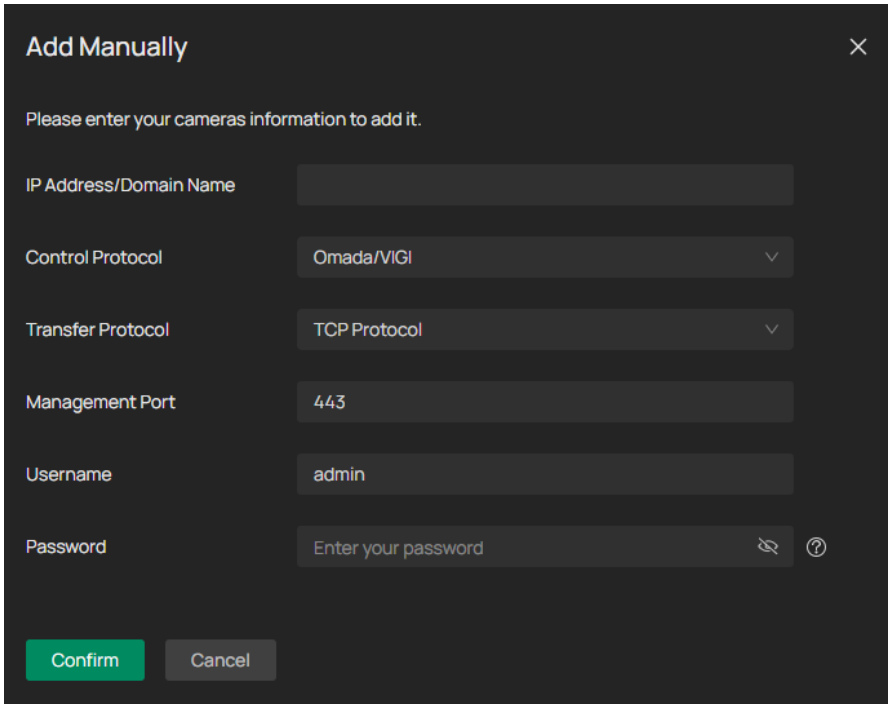


Connection Status:

Connected	The device has been added and you can view it in the monitor view.
Not Connected	The connected device has lost connection with the network.
Not Certified	The device is added but not verified. Click to enter the device password, and then the status will change to Connected.
Uninitialized	The connected device is reset and uninitialized. To add this device, initialize and configure it first.

- Add Device Manually

If a device cannot be automatically found by the SightCast, you can add it manually using its information. Click **+ Add Manually** and configure the following parameters.



IP Address/Domain Name	Enter the IP address/domain name of the camera.
Control Protocol	Select the camera's control protocol, Omada/VIGI, ONVIF or RTSP. The following required configuration parameters vary depending on the camera control protocol selected
Transfer Protocol	Select the transfer protocol. Keep the default settings unless necessary.
Management Port	Specify the management port. Keep the default settings unless necessary.
Username	Enter the camera's username.
Password	Enter the camera's user password. Leave blank if there's no password.

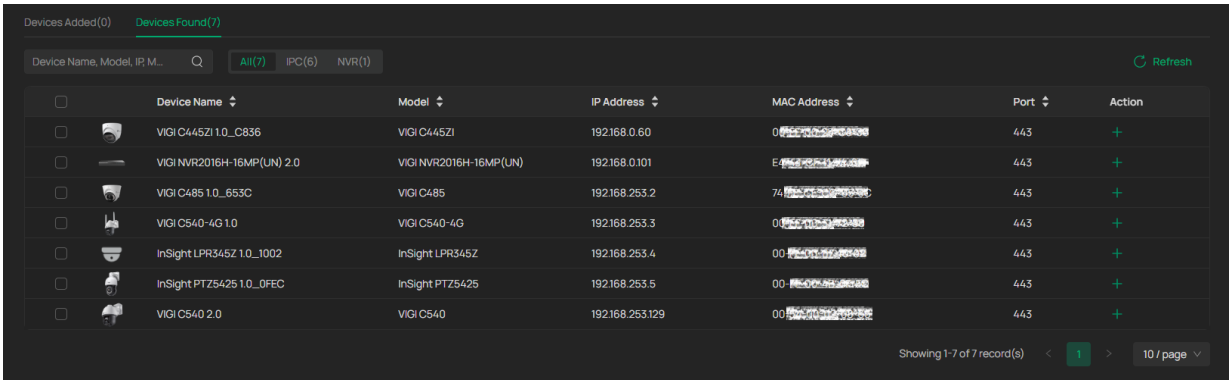
- Delete Device

To delete a device, click in the Action column to delete the corresponding device. The devices deleted will be moved to the **Devices Found** page.

Devices Found

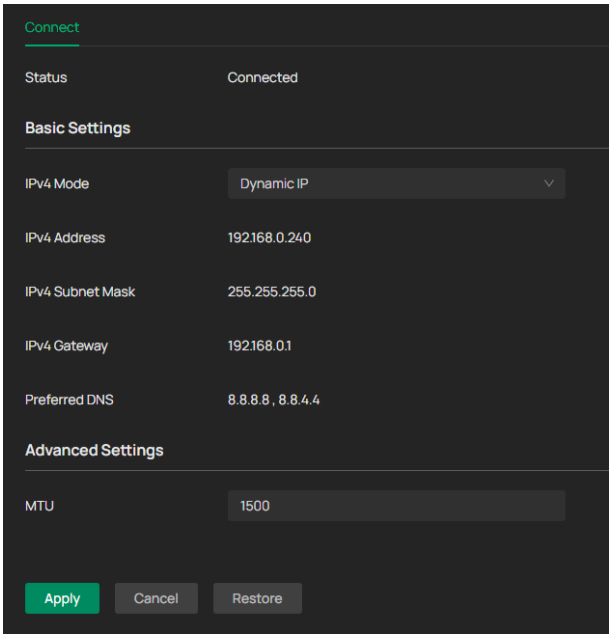
Devices on the same local network that have not yet been added will appear on the **Devices Found** page. These devices will be added automatically, provided that the maximum number of added devices has not been reached.

Note: Devices that are manually deleted will not be added automatically again. If needed, you can click **+** to add a single device, or select multiple devices to add them in batches.

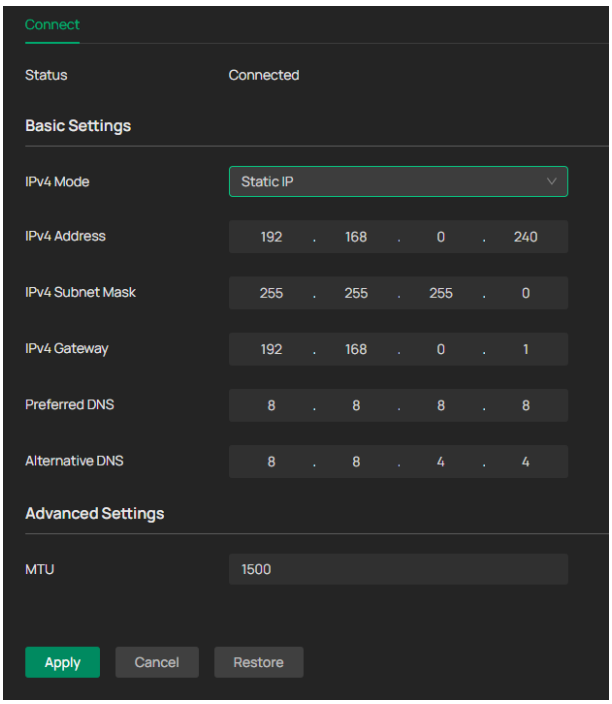


4 Network Settings

In Network Settings, you can view the connection status and configure the SightCast to obtain a dynamic or static IP address. Go to Network Settings > Connect and follow the steps below to configure the settings.



- To assign a static IP address to SightCast, select Static IP as the IPv4 mode, configure the following parameters, and click Apply.



IPv4 Address	Specify an IP address for the SightCast. The IP address should be in the same segment as the gateway; otherwise, the SightCast cannot connect to the internet.
IPv4 Subnet Mask	Enter the subnet mask.

IPv4 Gateway	Enter the IP address of the gateway device to which the data packets will be sent. This IP address should be in the same segment as the SightCast's IP address.
Preferred DNS/ Alternative DNS	Enter the IP address of the DNS server.
MTU	(Optional) Specify MTU (Maximum Transmission Unit) to decide the largest size of data unit that can be transmitted in the network. A larger unit can improve the efficiency with more data in each packets, but it may increase the network delay because it needs more time to transmit. Therefore, if you have no special needs, it is recommended to keep the default value.

If you want to reset to factory settings, click **Restore**.

- To configure the SightCast to obtain a dynamic IP address, select **Dynamic IP** as the mode.

Note:

A DHCP server (usually a router) is needed for the SightCast to obtain a dynamic IP address.

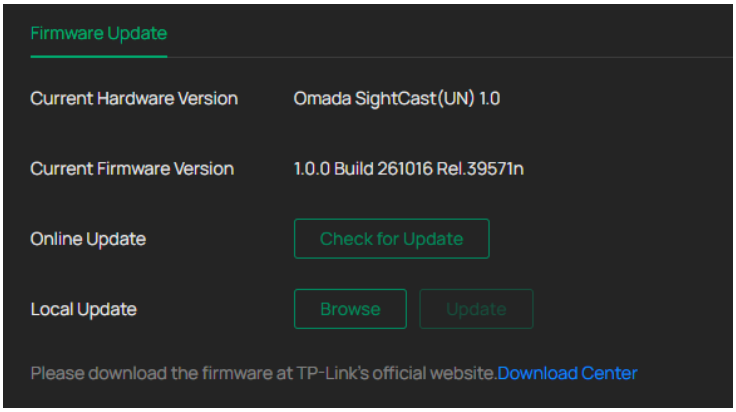
If the topology or subnet is changed, you should assign a new IP address to the SightCast to keep the network connection. In Static IP mode, configure the basic settings manually, while in Dynamic IP mode, click **Apply**.

5 System Settings

In System Settings, you can update the firmware for the SightCast, set Output Resolution, manually reset the SightCast to factory defaults, and manually reboot the device.

5. 1 Firmware Update

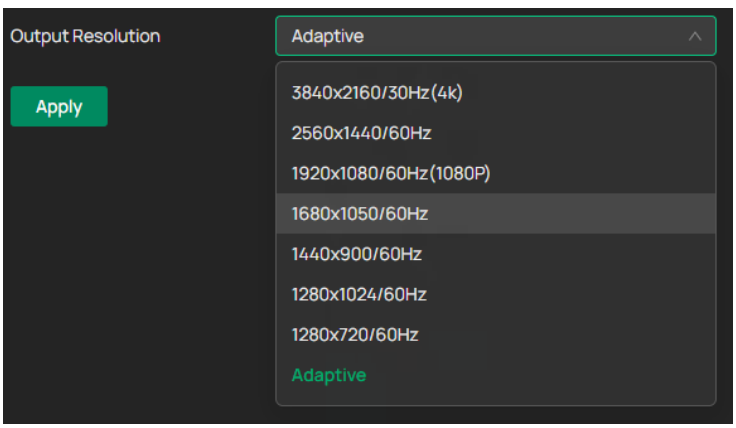
The SightCast supports Online Update and Local Update. Follow the steps below to update the firmware.



1. Get ready to upgrade the firmware.
   - (For Online Update) Connect the SightCast to the internet first.
   - (For Local Update) Download the SightCast firmware from our official website.
2. Go to System Setting > Firmware Update.
   - (For Online Update) Click Check for Update to check the latest firmware version and the SightCast will detect new firmware online and then click Update.
   - (For Local Update) Click Browse to select the firmware from the local device and click Update.

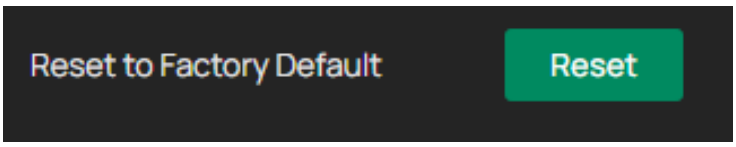
5. 2 Output Resolution

Go to System Setting > System Management > Basic, select the Output Resolution from the drop-down list for the monitor view. Select Adaptive to adjust the resolution based on the monitor's supported resolution.



5. 3 Reset to Factory Default

Go to System Setting > System Management > System Management, and click Reset to reset the SightCast settings to factory defaults.



5. 4 Reboot Device

Go to System Setting > System Management > System Maintenance, and click Reboot to manually reboot the SightCast immediately.

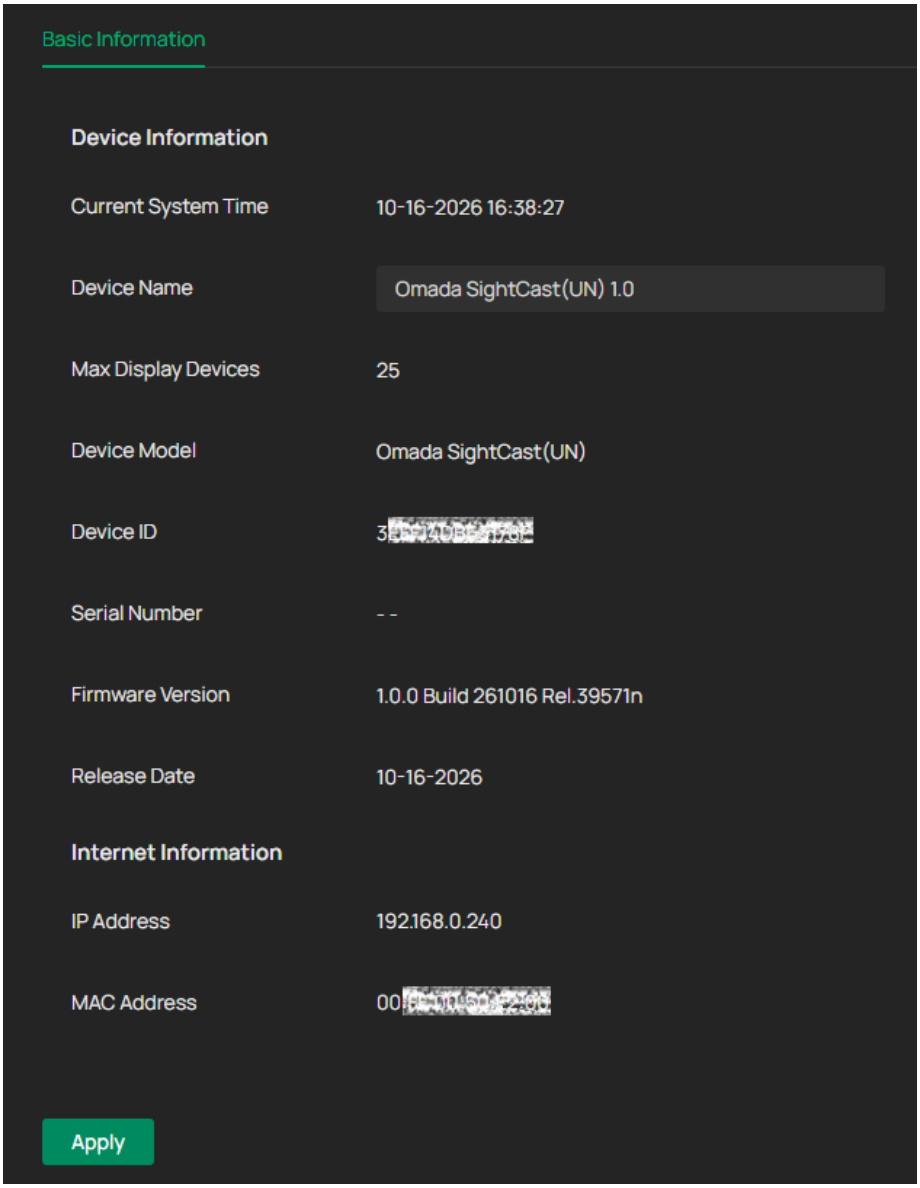


6 Information

In Information, you can check the device's basic information and internet information, and the SightCast uses system logs to record, classify, and manage the messages of the system.

6. 1 Basic Information

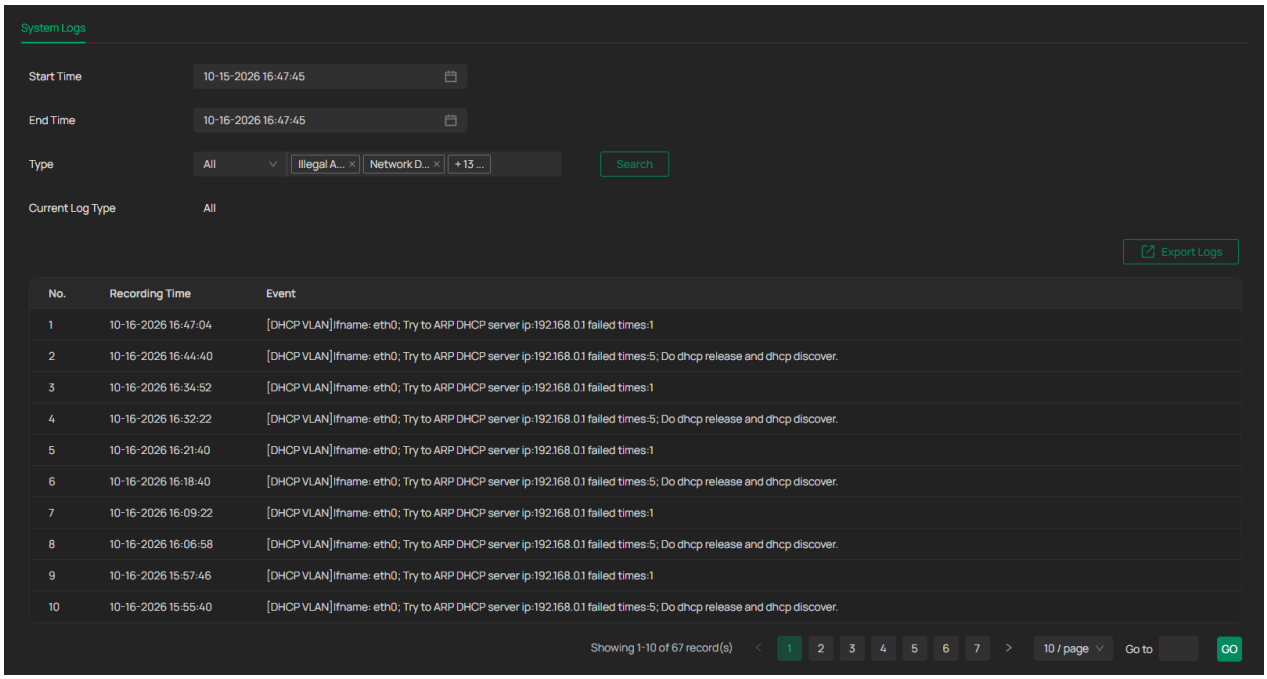
Go to Information > System Message, and you can view the basic device information including the device name, max display devices, device model, device ID, serial number, and firmware version and release date, and the internet information including the SightCast's IP address and MAC address. If needed, you can change the device name here.



6. 2 System Logs

The SightCast uses logs to record, classify, and manage the messages of the system and devices. You can search, view, and export the logs.

1. Go to **Information** > **System Logs**.



2. Specify the time range and log types and click **Search**. The filtered logs appear in the table.

Start Time	Specify the start time.
End Time	Specify the end time.
Type	Select a main type from the drop-down list to filter the logs. You can also click to specify subtypes. **All:** All types of logs. **Exception:** Abnormal events that may influence SightCast's functions, such as Illegal Access, Network Disconnection, SightCast IP Conflict, and IP Channel Disconnection. **Operation:** Operations that take place on the SigthCast, such as Boot, Restart Remotely, Upgrade Firmware Online, Reset to factory settings remotely, Login Remotely, Logout Remotely, and Upgrade Firmware Remotely. **Information:** Informational messages, such as RTSP Progress, DHCP VLAN, Network Connection, IP Channel Connection.

3. Click **Export Logs** to export the logs to your management PC.