

IX|IXG Series

OpenEye® Web Services (OWS) Integration Guide

This guide explains how to integrate IX|IXG Series stations with OpenEye's Web Services (OWS) platform, either using the Command Station desktop client or OWS Cloud Portal. Once the integration is complete, Command Station will be able to view and record video from the intercom stations.

These instructions assume that the IX|IXG Series stations have already been programmed using IXG Support Tool, and that a copy of the system's configuration is available.

IXG Support Tool can be downloaded from here: <https://www.aiphone.com/IXG-SupportTool>.

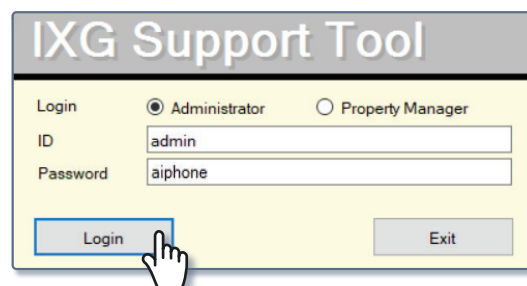
See this link for instructions on exporting and importing a configuration from another PC: <https://www.aiphone.com/ixg-export-import>.

For more programming instructions, see the IXG Series Quick Start Guide: <https://www.aiphone.com/IXG-Series-QuickStartGuide>.

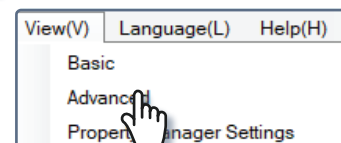
IXG Support Tool Settings

Getting Started

Open IXG Support Tool. Fill in the credentials and click **Login** to sign in as an administrator.



Select **View(V)** on the top menu and switch the mode over to Advanced.



ONVIF® Streaming (IXG Support Tool Settings)

Setting Credentials

In IXG Support Tool, navigate to **Station Information**, ID/Password on the side menu. Add an **ONVIF ID**, **ONVIF Password**, **RTSP ID**, and **RTSP Password** to each station that will stream to Command Station. Record these for later steps. Click **Save**.

Unit Number	Station Name	ID / Password				ONVIF ID	ONVIF Password	RTSP ID	RTSP Password
		ID(Administrator)	Password(Admin)	User ID	User Password				
001	Video Door Station1	aiphone	*****			aiphone	*****	aiphone	*****
002	Video Door Station1	aiphone	*****			aiphone	*****	aiphone	*****
003	Entrance Station1	aiphone	*****			aiphone	*****	aiphone	*****

Enabling Video Streaming for IXG-DM7-HIDA

To enable video streaming on an IXG-DM7-HIDA, navigate to **Network Settings**, Video on the side menu. Scroll right and find the **Second Video Encoder** column under **ONVIF Transmit Channel**. Use the drop-down menu to change the setting to Enable for each IXG-DM7-HIDA to be registered. Click **Save**.

Unit Number	Station Name	SIP Channel		ONVIF Transmit Channel			Resolution	Frame Rate [fps]
		RTP Start Port	RTP End Port	Video Streaming	Second Video E	Video Codec		
001	Video Door Station1	30000	31000		Enable	H.264/AVC	1280x720(HD)	10
002	Video Door Station1	30000	31000		Enable	H.264/AVC	1280x720(HD)	10
003	Entrance Station1	30000	31000		Enable	H.264/AVC	1280x720(HD)	10

Updating Station Firmware

The IX|IXG stations' firmware will need to be up to date to properly integrate with the Command Station software. To check the current firmware version of the stations, select **Connection(S)**, Station Search on the top menu. A station search will begin automatically. Click **Cancel** on the pop-up window after 5 seconds. The current firmware version will be displayed to the right. Record each station's IP address for a later step.

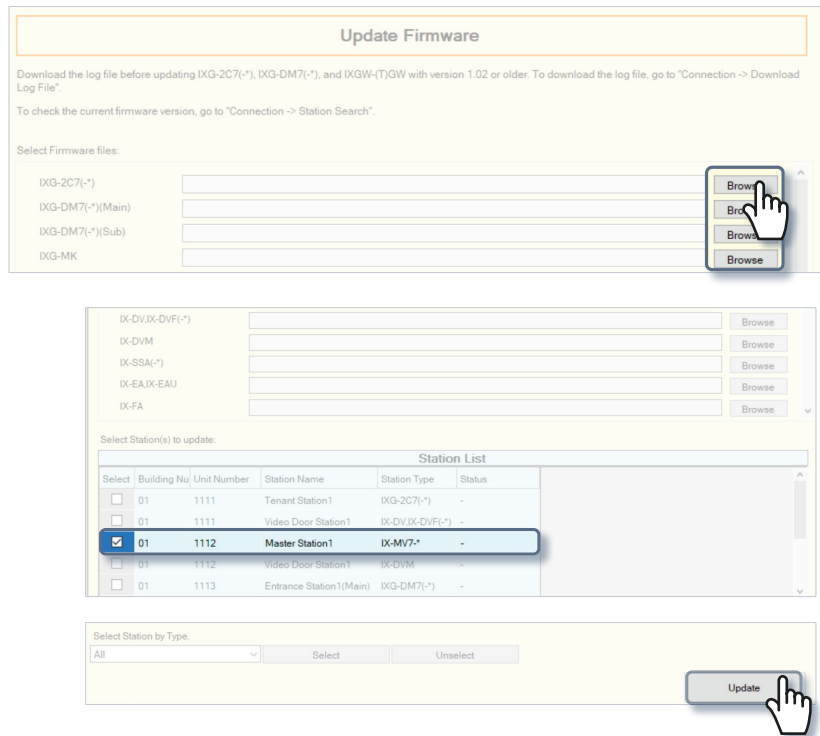
Station Search						
Search results within the local network.						
Station List						
Building Nu	Unit Number	Station Name	Station Type	IP Address	MAC Address	Firmware Version
		Entrance Station1	IXG-DM7(-)	192.168.1.25	00:0B:AA:41:05:85	2.93

Check the latest firmware versions at www.aiphone.com/kbtopic/firmware-ix-ixg. Download and extract the newest version of each station's firmware. If there are multiple options for a station model, choose the one labeled "Enhanced."

Navigate to **Maintenance, Firmware Update** on the side menu. For each type of station to be updated, click **Browse** to locate the firmware package on the PC.

Select all stations that will have their firmware updated and click **Update**. This process will take several minutes, and the stations will reboot.

i Do not interrupt a firmware update once it has begun, including unplugging the station. Doing so can damage the station. A notification window will appear when all firmware updates are complete.

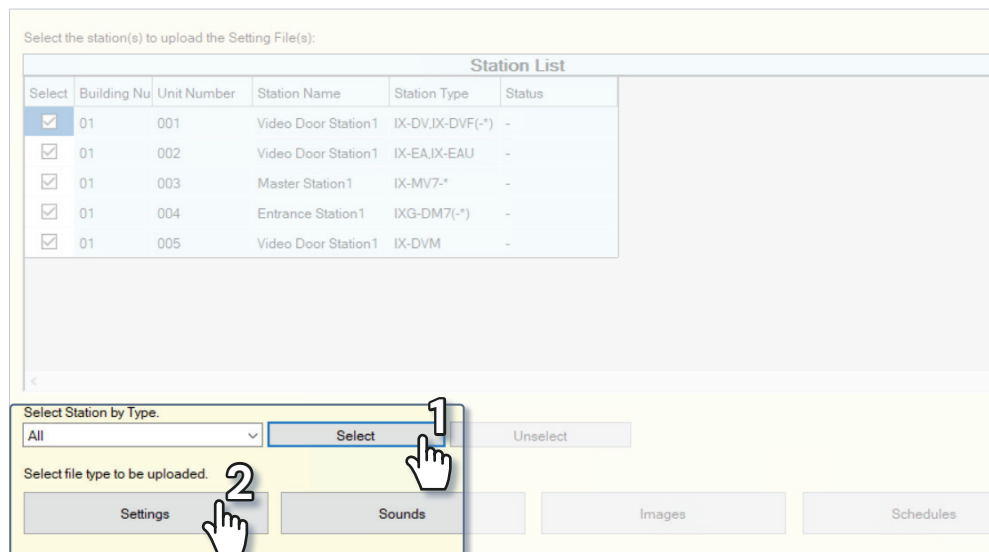


Uploading Settings to Stations

To upload settings to the stations, navigate to **Connection(S), Upload Settings** on the top menu.

Select each station by placing a check mark next to it, or click **Select** to choose all stations at once. Click **Settings** to upload the configuration. This will apply all settings to the stations.

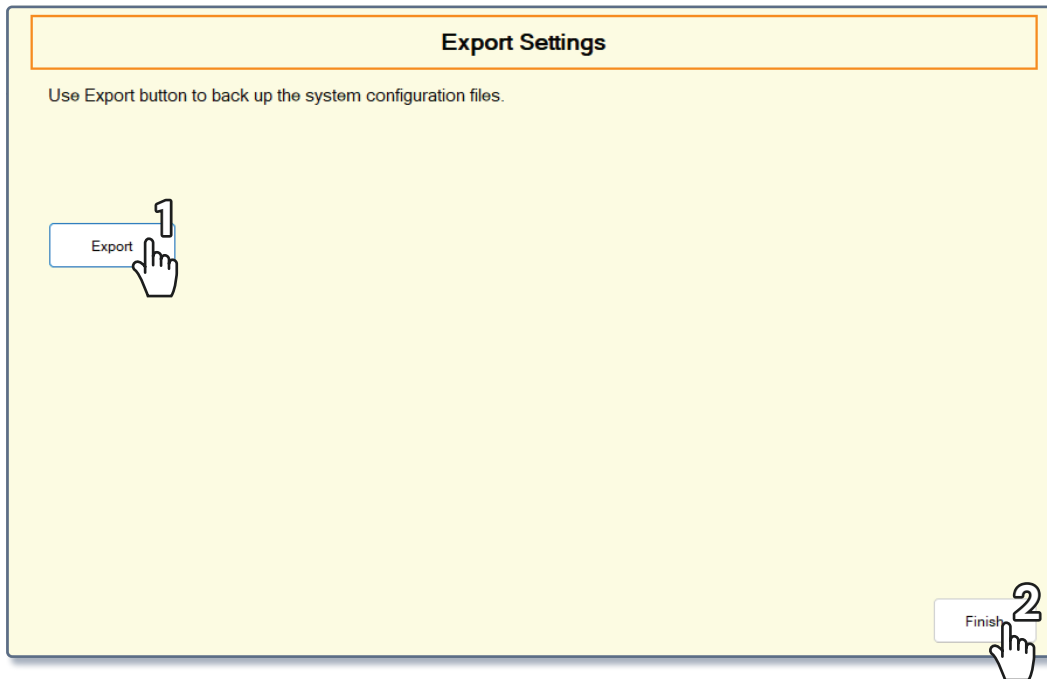
i If a station upload fails, make sure that the programming PC is in the same IP range as the stations.



Exporting Settings

It is always recommended to back up up the configuration file. This allows the setting file to be imported into IXG Support Tool on a different PC.

Navigate to **File(F)**, Export System Configuration on the top menu. A pop-up window will appear. Click **Export** and choose a location on the PC to save the configuration. This will create a folder with the name of the site. **The entire folder is required to recover the system.** If it needs to be sent by email, compress the folder first. Once the process is complete, click **Finish**.



OpenEye® OWS Settings

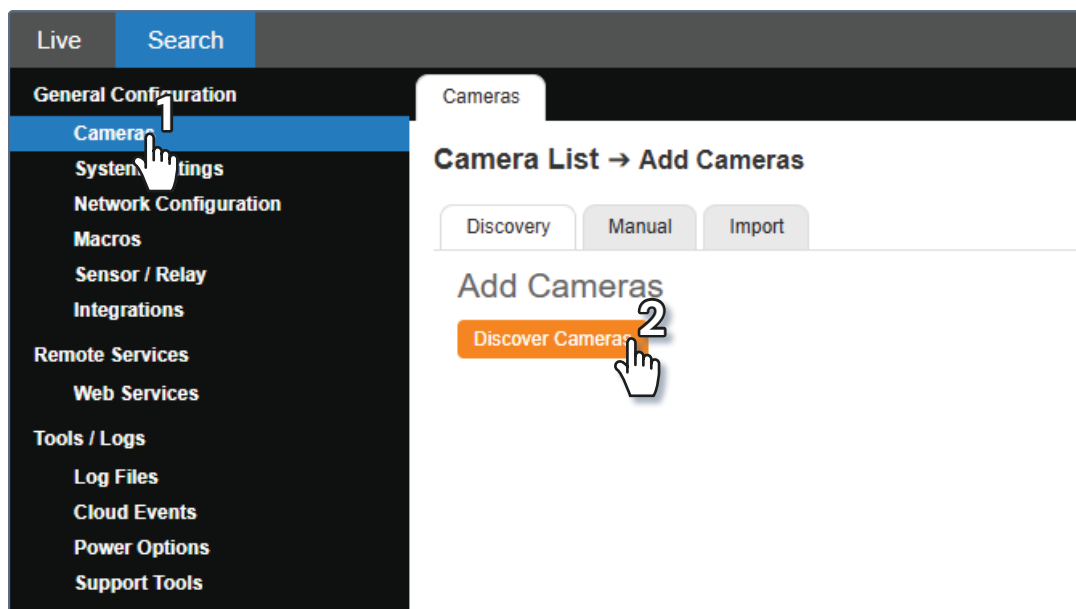
Registering Stations

Log into the web GUI for OWS. Click the cog symbol at the top right of the screen.

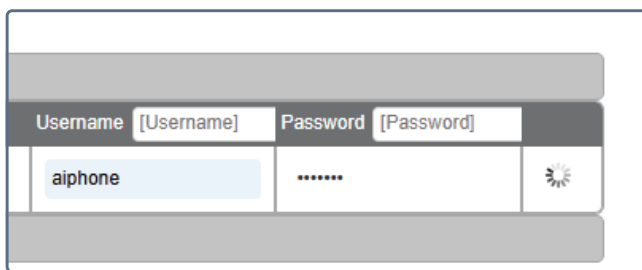
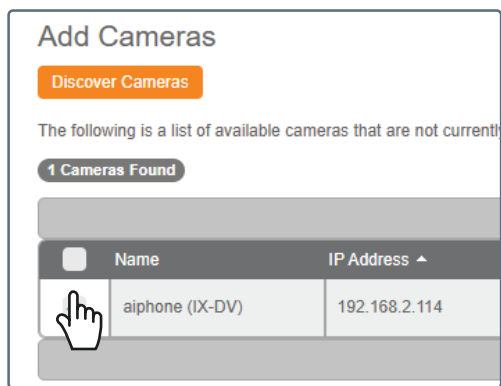


Navigate to **General Configuration**, **Cameras** on the side menu. Click **Discover Cameras**.

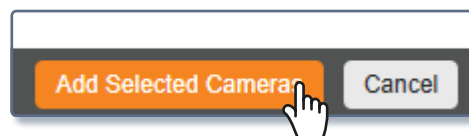
These instructions show the Command Station desktop client, but also apply to OWS Cloud Portal.



The IX|IXG Series stations will be listed as cameras. Check the box to the left of each row, then fill in the credentials created for video streaming in IXG Support Tool under the **Username** and **Password** columns.



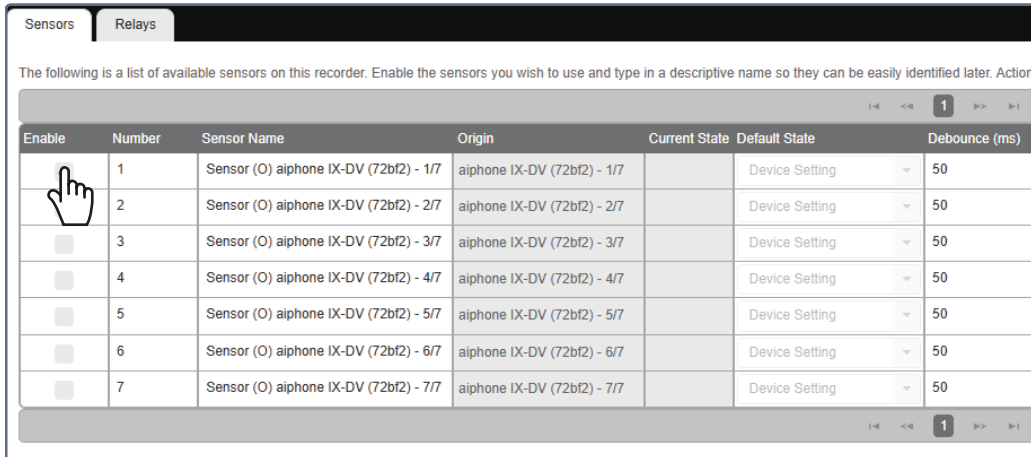
Once all credentials have been entered, click **Add Selected Cameras** at the bottom of the page. This will complete camera registration.



Registering a Station Relay Inputs (Optional)

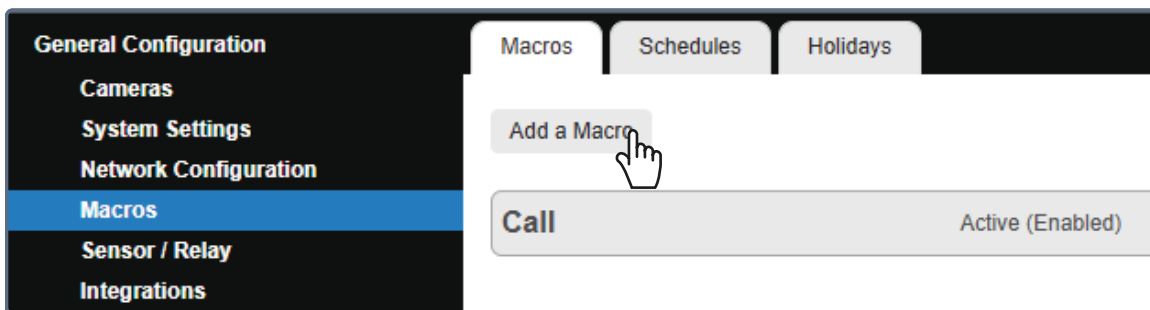
The call buttons or contact inputs on stations can be registered with the OWS platform. This allows the stations to report when an input is activated.

In OWS, navigate to **Sensor/Relay** on the side menu. Under the **Sensors** tab, place a check mark next to each sensor on the station that will be registered. On door stations, the first sensor represents the door button, with any other sensors corresponding to the stations' contact inputs. Sensor 2 corresponds with Input 1 in IXG Support Tool, Sensor 3 would correspond with Input 2, and so on. Click **Apply** in the bottom right corner.



Enable	Number	Sensor Name	Origin	Current State	Default State	Debounce (ms)
<input checked="" type="checkbox"/>	1	Sensor (O) aiphone IX-DV (72bf2) - 1/7	aiphone IX-DV (72bf2) - 1/7		Device Setting	50
<input checked="" type="checkbox"/>	2	Sensor (O) aiphone IX-DV (72bf2) - 2/7	aiphone IX-DV (72bf2) - 2/7		Device Setting	50
<input type="checkbox"/>	3	Sensor (O) aiphone IX-DV (72bf2) - 3/7	aiphone IX-DV (72bf2) - 3/7		Device Setting	50
<input type="checkbox"/>	4	Sensor (O) aiphone IX-DV (72bf2) - 4/7	aiphone IX-DV (72bf2) - 4/7		Device Setting	50
<input type="checkbox"/>	5	Sensor (O) aiphone IX-DV (72bf2) - 5/7	aiphone IX-DV (72bf2) - 5/7		Device Setting	50
<input type="checkbox"/>	6	Sensor (O) aiphone IX-DV (72bf2) - 6/7	aiphone IX-DV (72bf2) - 6/7		Device Setting	50
<input type="checkbox"/>	7	Sensor (O) aiphone IX-DV (72bf2) - 7/7	aiphone IX-DV (72bf2) - 7/7		Device Setting	50

To create a macro to trigger when the input changes state, navigate to **Macros** on the side menu. Click **Add a Macro**.



Assign the macro a name. Use the drop-down menus to configure the conditions to activate the macro, and what happens outside of the intercom station when the trigger condition is met. To have the macro activate when the call button is pressed, set the **Event Class** to **Sensor**, and the **Event Type** to **Sensor Activation**. Once everything is filled out, click **Apply**.

Add Macro

Macro Name

Enable Macro

When any of the following happens

Schedule	Event Class	Event Type	Source
Always	Sensor	Sensor Activation	Sensor (O) aiphone IX-DV (72bf2) - 1/7

Take this action
 (Drag to reorder)

Order	Schedule	Type	Command	Target Object	Duration
1	Always	Recording	Record Event Stream	Use Event Camera	Length of Event

i It is best practice to go through the process separately for each macro, and to only assign one action per macro.

Registering a Station's Relay Outputs (Optional)

To allow OWS to activate a station's relay output, navigate to **Sensor/Relay** on the side menu. Navigate to the **Relays** section. Check the box under the **Enable** column for each station and relay to be controlled. Once everything is filled out, click **Apply**.

General Configuration

- Cameras
- System Settings
- Network Configuration
- Macros
- Sensor / Relay**
- Integrations

Sensors **Relays**

The following is a list of available relays on this recorder. Relays can be configured to trigger in Macros.

Enable	Number	Relay Name	Origin	Current State
<input type="checkbox"/>	1	Relay (O) aiphone IX-DV (72bf2) - 1/2	aiPHONE IX-DV (72bf2) - 1/2	Open
<input type="checkbox"/>	2	Relay (O) aiphone IX-DV (72bf2) - 2/2	aiPHONE IX-DV (72bf2) - 2/2	Open

i Stations will typically use Relay 1 for door release.