



Mini IR PTZ Network Camera

Quick Start Guide

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IMPORTANT SAFEGUARDS AND WARNINGS

Electrical Safety

All installation and operation here should conform to your local electrical safety codes. The power shall conform to the requirement in the SELV (Safety Extra Low Voltage) and the Limited power source is rated DC12V/2A in the IEC60950-1 (See actual product specifications). This series product supports PoE as well. Please note: Do not connect these two power supplying sources to the device at the same time; it may result in device damage! We assume no liability or responsibility for all the fires or electrical shock caused by improper handling or installation. We are not liable for any problems caused by unauthorized modification or attempted repair.

Transportation Security

Care must be given to avoid heavy stress, violent vibration or water damage during transportation, storage and installation.

Installation

Do not apply power to the camera before completing installation. Please install the proper power cut-off device during the installation connection. Always follow the instruction guide the manufacturer recommended.

Qualified engineers needed

All the examination and repair work should be done by the qualified service engineers. We are not liable for any problems caused by unauthorized modifications or attempted repair.

Environment

This series network camera should be installed in a cool, dry place away from direct sunlight, inflammable, explosive substances and etc. Please keep it away from the electromagnetic radiation object and environment. Please make sure the CCD (CMOS) component is out of the radiation of the laser beam device. Otherwise it may result in CCD (CMOS) optical component damage. Please keep the sound ventilation. Do not allow the water and other liquid falling into the camera. Lightning-proof device is recommended to be adopted to better prevent lightning damage. The grounding studs of the product are recommended to be grounded to further enhance the reliability of the camera.

Daily Maintenance

Please shut down the device and then unplug the power cable before you begin daily maintenance work. Do not touch the CCD (CMOS) optic component. You can use the blower to clean the dust on the lens surface. Always use the dry soft cloth to clean the device. If there is too much dust, please use the water to dilute the mild detergent first and then use it to clean the device. Finally use the dry cloth to clean the device. Please put the dustproof cap to protect the CCD (CMOS) component when you do not use the camera.

Accessories

Be sure to use all the accessories recommended by manufacturer. Before installation, please open the package and check all the components are included. Contact your local retailer ASAP if something is broken in your package.

1A. OVERVIEW

This series network camera uses standard H.264 and H.265 video compression technology, which maximally guarantees the video quality. This pan, tilt and zoom camera also supports 12v (2 amp) or PoE power.

The camera features IR for night vision function. The LEDs will only turn on in near-pitch black environments without ambient light. The waterproof design conforms to the IP67 level, thus is suitable for use in outdoor environments.

It can be used standalone or with a network video recorder. If used standalone, it is able to utilize IC Realtime's software suite including IC Now and IC View+. This model also supports IC Realtime's P2P connection which allows easy remote connection and PTZ control.

Important: Do not carry the camera by its cable interface or drop it. See Figure 1-1.

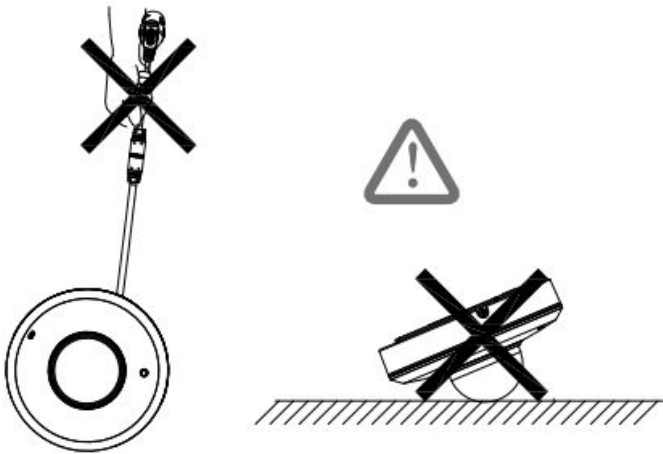


Figure 1-1

1B. Camera Interface

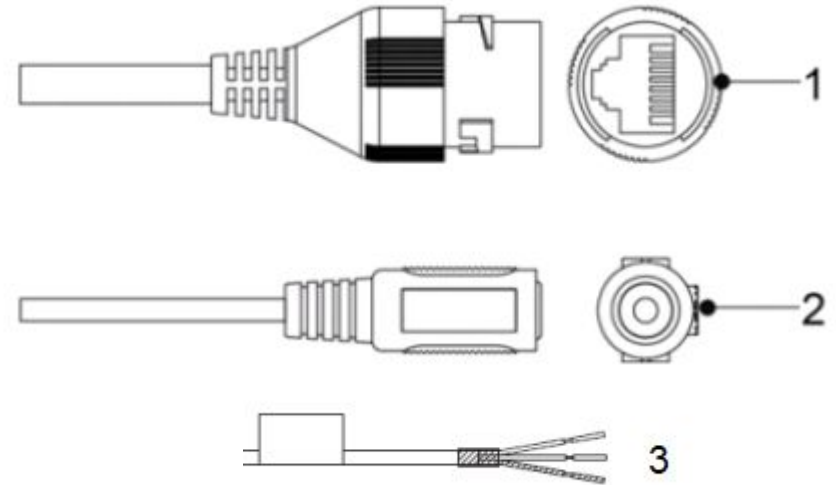


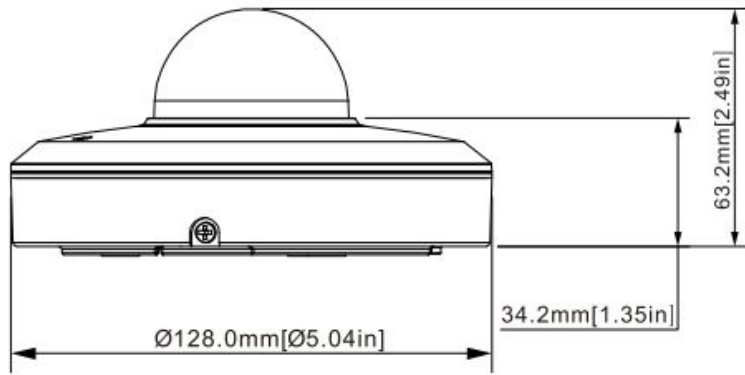
Figure 1-2

Refer to Figure 1-2 for camera interface information.

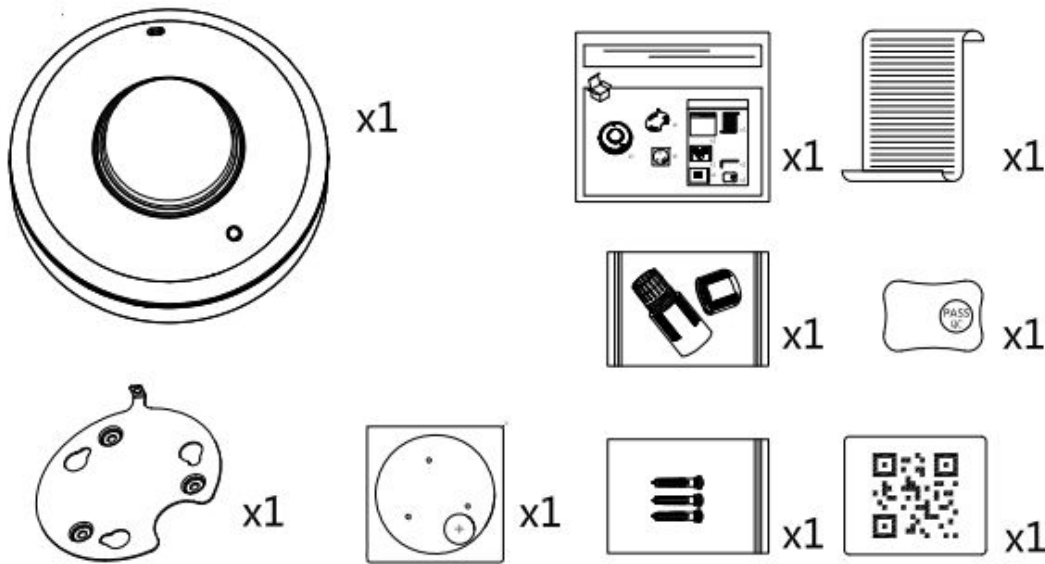
Note: Your model may vary in appearance.

- 1. Network port:** Connects to network, supports PoE.
- 2. Power input (12v) port:** If not using PoE. Ensure you are using the proper recommended power requirements for this camera
- 3. Audio**

			In/Out:
•	White:	Audio	input
•	Red:	Audio	output
•	Black:	Audio grounding cable	



1C. Package Contents: The camera will include accessories in the box- including a mounting plate, positioning map and installation screws. See Figure 1-3.



Mounting Plate

Figure 1-3

Waterproof Connector installation for network port: If installed outdoors, it is recommended to use the included waterproof connectors. See figure 1-4.

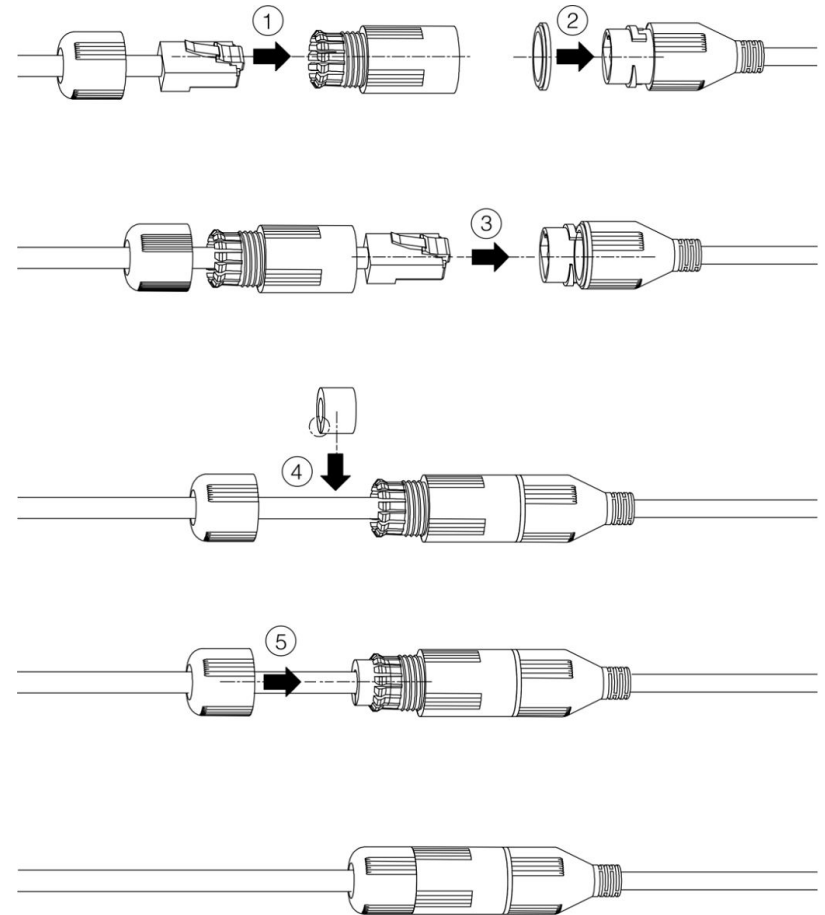


Figure 1-4

2A. INSTALLATION STEPS

Step 1 Use the included positioning map and affix to the mounting surface. Drill the mounting holes accordingly.

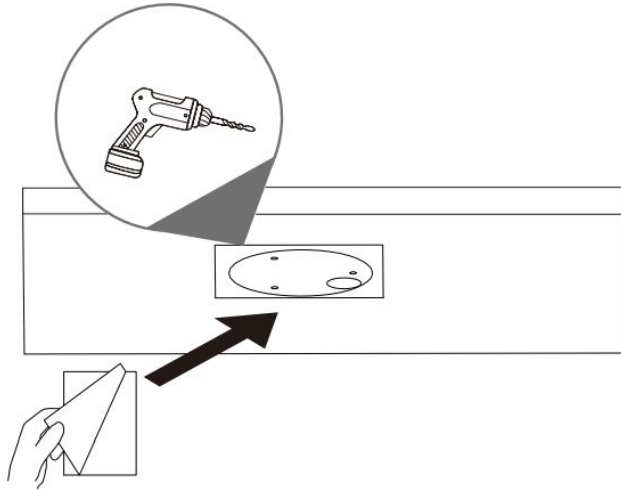


Figure 2-1

Step 2 Install the mounting plate with the supplied screws.

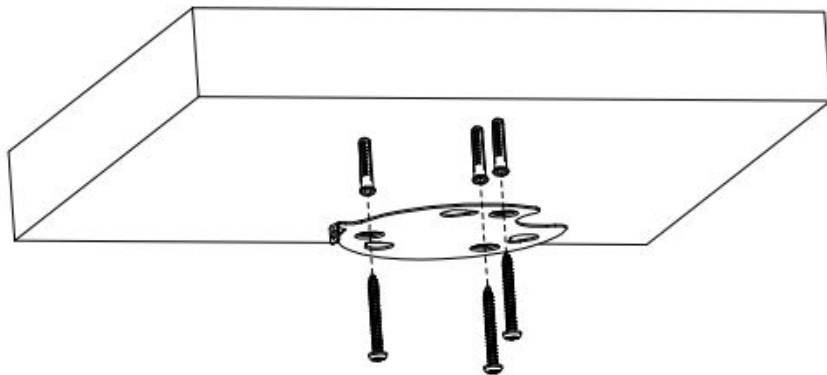


Figure 2-2

Step 3 Install the camera body to the mounting plate by sliding the notches on the bottom of the camera body to the mounting plate. The plate locking tab should click in when seated properly. Secure the camera to the plate with the supplied grub screw.

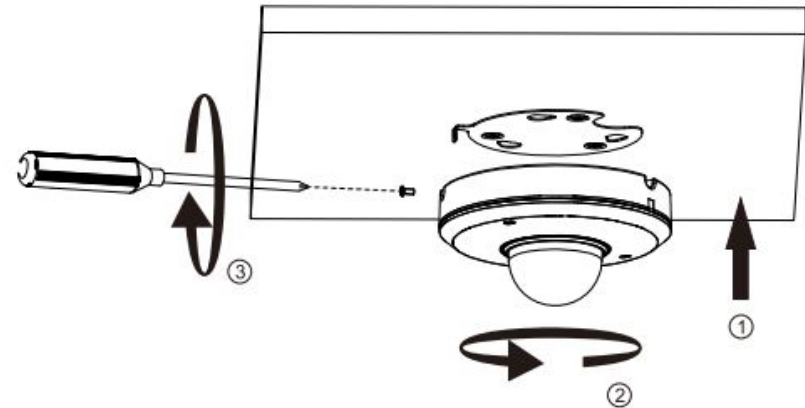


Figure 2-3

Step 4 Connect the necessary wiring behind the camera.

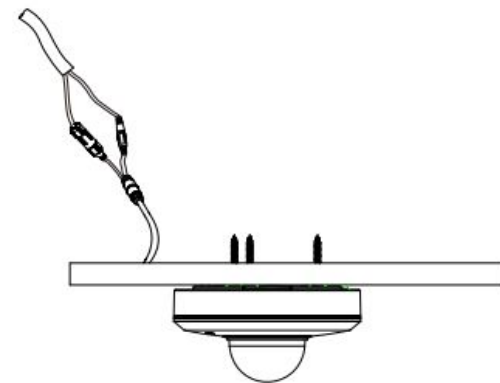


Figure 2-4

2C. RESTORE FACTORY DEFAULTS/ INSTALL SD CARD

Important: Make sure the device is powered when attempting to press **RESET** button.

Step 1 Turn over the camera lens body. See Figure 2-5 for Cover location. Remove the cover. Skip to Step 3 if only installing SD Card.

Step 2 Slightly press the **RESET** button for 10-30 seconds to complete the reset function. See Figure 2-5. The camera will reboot when the reset process is complete.

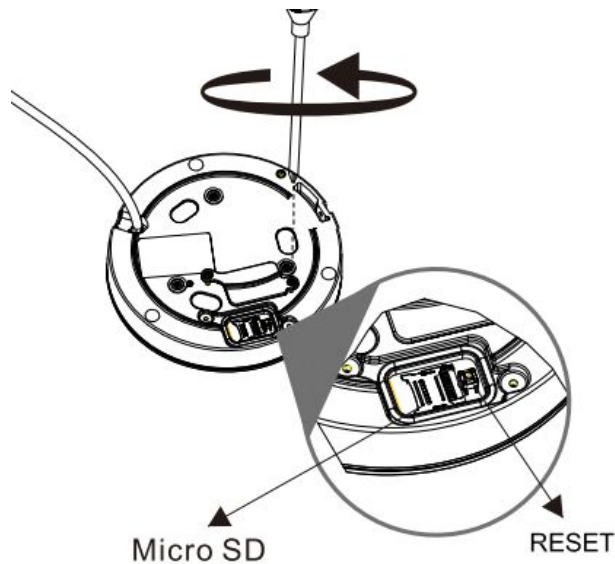


Figure 2-5

Step 3 (If installing SD Card) Adjust the Micro SD Card to a proper direction shown in Figure 2-5.

Step 5 Secure cover and reinstall camera to the base if necessary.

3A. OVERVIEW

The IP Config tool is used to search the local network for IC Realtime devices as well as modify the IP addresses and upgrading firmware.

This software can be downloaded at:

<https://icrealtime.com/downloads> under *Desktop Utility Apps*

3B. OPERATION

Double click the “ConfigTool.exe” icon to run. The interface will be displayed as shown in Figure 3-1. Click on the blue circle icon with the two arrows to refresh and scan the network.

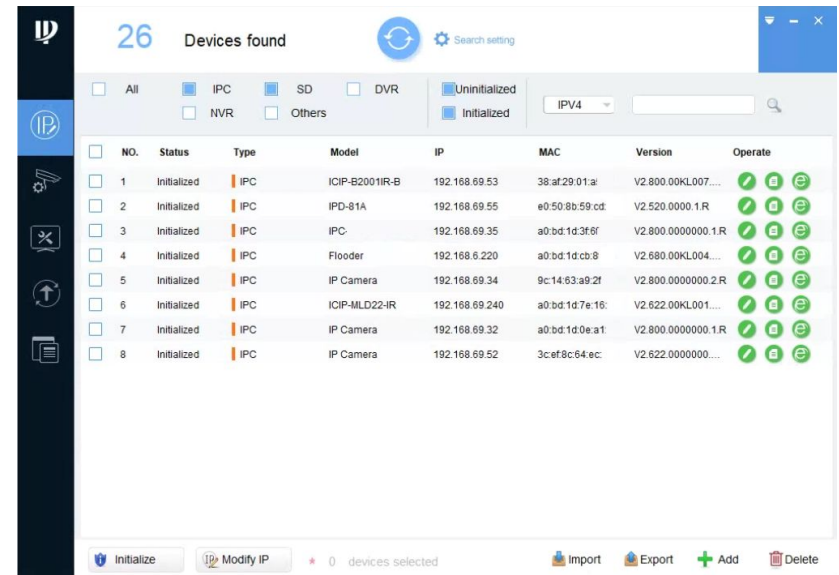


Figure 3-1

Select “Search Setting” to modify the IP range to scan for and input the correct login information for the device. See Figure 3-2.

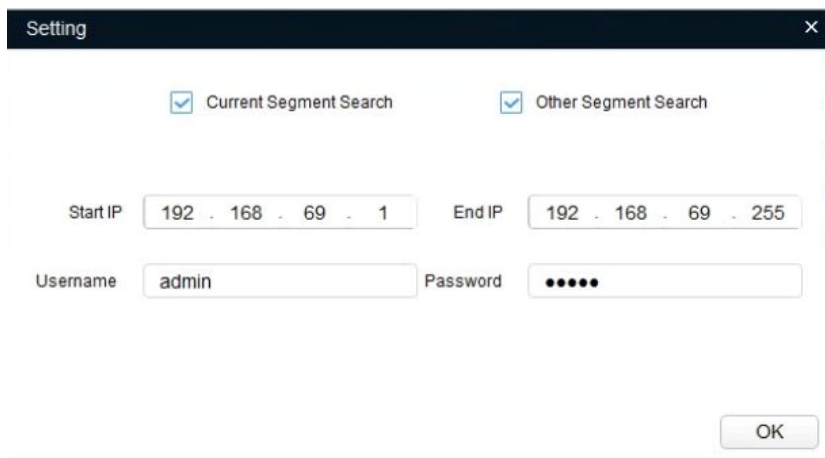


Figure 3-2

Note: If the Camera status is “Uninitialized,” select the camera and then click the “Initialize” icon on the bottom left side and follow the process on screen to initialize the device.

The Operate column will allow you to modify device, view device information and link to web browser. See figure 3-3.

Version	Operate
V2.622.0000000....	  

  
Edit IP Address Info Web GUI link

Figure 3-3

To modify the device IP address, select one of the devices from the list and then click the pencil icon. The dialog box to modify the IP information will populate. See Figure 3-4.

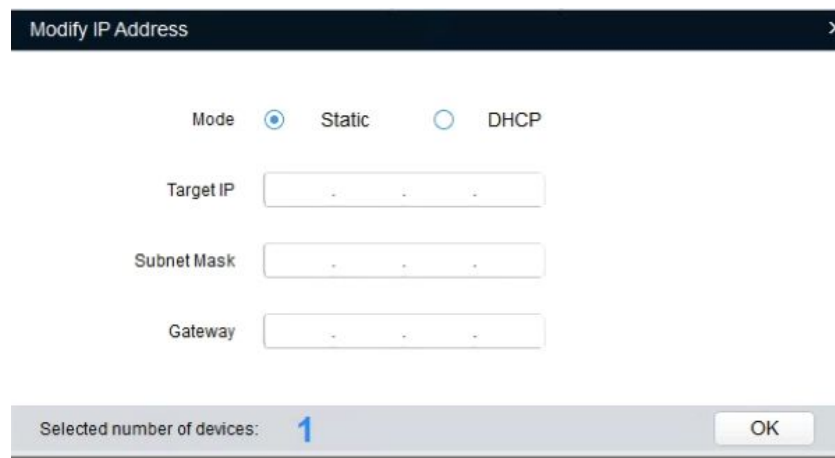


Figure 3-4

The Web Interface includes several modules: Monitor channel preview, system configuration, alarm and etc. See Figure 4-3.

- **Live:** Live video of the camera
- **Playback:** View recording from SD card (if applicable)
- **Setting:** For configuration changes.
- **Alarm:** For monitoring alarm triggers (motion detect, IVS, abnormalities, etc)
- **Logout:** Logs out of the camera web GUI

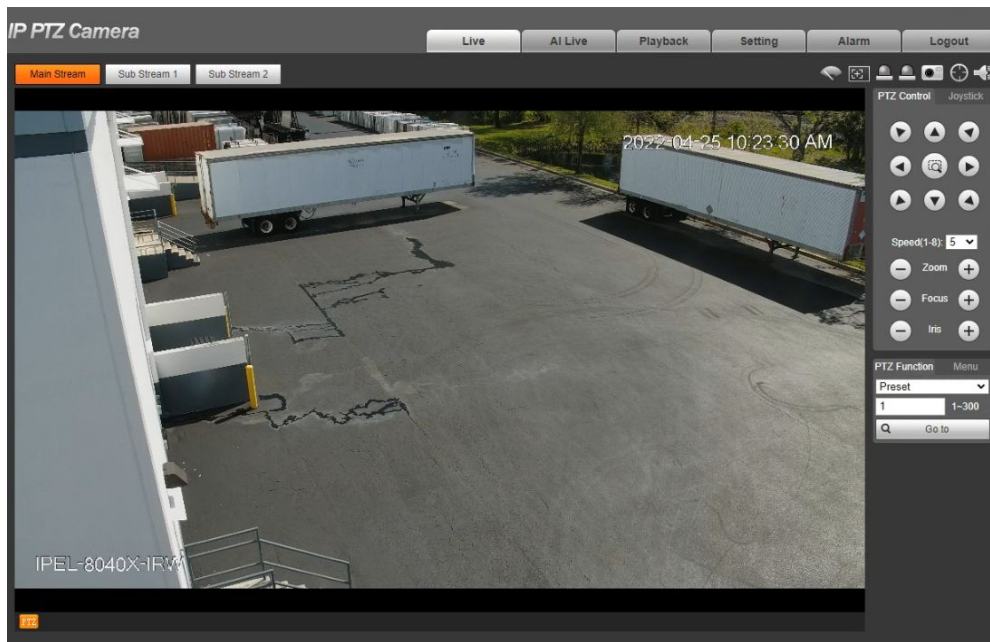











Figure 4-3

Live View Functions:

	<p>Relay Out: Displays alarm output state. Click the icon to enable or disable alarm output.</p> <ul style="list-style-type: none"> • Red: Alarm output enabled. • Grey: Alarm output disabled.
	<p>Enable Wiper (if equipped): Toggles the built-in Wiper to clean the lens.</p>
	<p>Snapshot: Click the icon to capture one picture of the current live view. It will be saved to the configured storage path.</p>
	<p>Talk: Click the icon to enable or disable the 2 way talk.</p>
	<p>Record: Click the icon to record live video. It will be saved to the configured storage path.</p>
	<p>Easy Focus (if equipped): Click the icon to display the AF Peak (focus eigenvalue) and AF Max (max focus eigenvalue) on the video image.</p>
	<p>Audio: Click the icon to enable or disable audio output.</p>
	<p>PTZ Controls; Click the directional arrows to move the PTZ.</p>
	<p>PTZ Functions: Toggles functions such as Preset, Tour, Scan and Pattern. Select a function, input a value and then flick "Go to" to toggle the function.</p>

5A. FAQ

Issue	Troubleshooting
Device does not operate properly/ lost password.	Please refer to section 2B for factory reset process. Cam will need to be Initialized after factory reset.
P2P status is “not connected/ offline”	You may need to set device IP to DHCP. After acquiring a different IP address, verify P2P status and set camera back to static IP if successful.
Illumination is poor/ does not turn on.	Verify the camera is supplied with the recommended amount of power. You may need to test voltage/ amperage of the camera while under load. Enough visible light at the location can also cause IRs to not switch on.
The device not show up on the local network	Verify the camera is powered properly. Connect the camera to a power source then to a PC and use ConfigTool . Camera may be in a different network segment. Use the factory reset button if issue persists.
I cannot login to the client-end or the WEB.	If the Camera HTTP port is changed, you will need to specify the port number after the IP. (ex: http://192.168.1.108:8080) Ensure the correct login credentials are being used. The IC Now software will use the TCP port. Make sure you input the correct TCP port number.
The account is locked	Reboot the camera to clear lock out. Verify the login to make sure it is correct. If the password is lost, factory reset the camera. See section 2C.
Camera does not show up on local network.	Verify the camera is supplied with the recommended power supply. Change network cable or use short patch cable to troubleshoot.