NDAA 360 Panoramic Fisheye Network Camera

Quick Start Guide

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Prior to installation:

Please take note of the cameras MAC address as you may need it later on during the setup process. The MAC address is printed on the cameras product label, both on the camera itself and on the product packaging.

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 12V DC in the IEC60950-1. This series product supports PoE too. 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. INSTALLATION STEPS

Step 1 Use the included position map and drill the appropriate mounting holes and cable exit, then install anchors (if needed). Keep in mind the orientation of the camera's base. See Figure 1-1

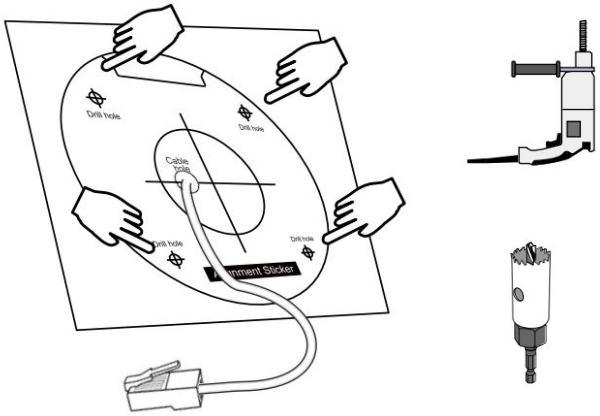

Figure 1-1

Step 2 Remove the dome cover from the camera body. See Figure 1-2

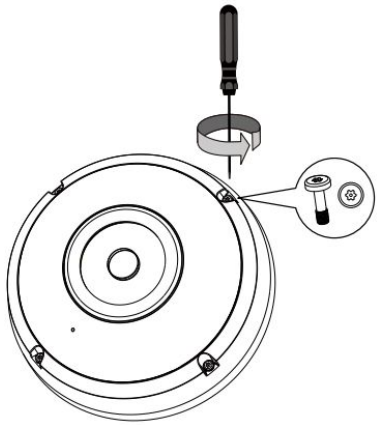

Figure 1-2

Step 3 Remove the camera mounting plate by pressing the release tap on the side of the camera and separating it from the base, as seen on Figure 1-3. Align the screw holes of the plate with the mounting holes, then tighten the mounting screws into the screw holes until they are held firmly.

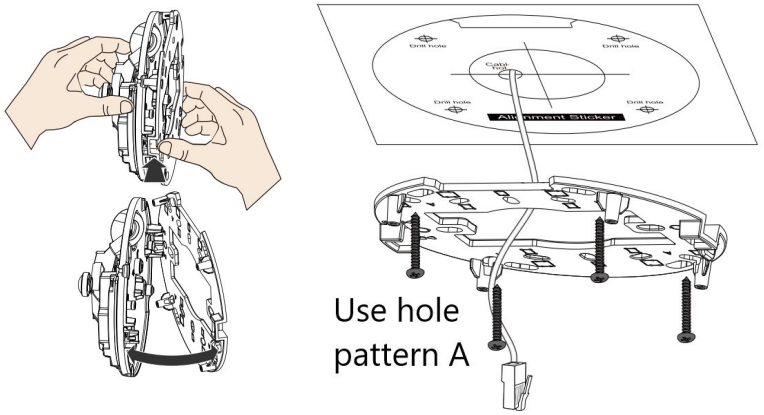

Figure 1-3

Step 4 Remove the grommet located on the bottom side of the camera base, then snip off stopper plug. See Figure 1-4.

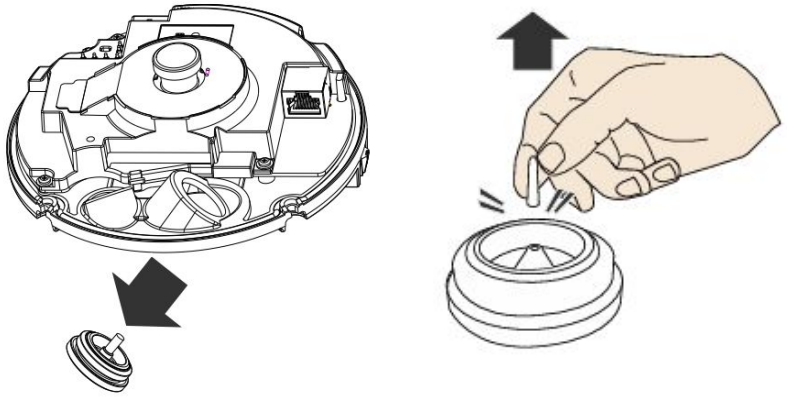

Figure 1-4

Step 5 Thread cables through the grommet. Reinstall the grommet and ensure it is properly seated, then make your connections. See Figure 1-5.

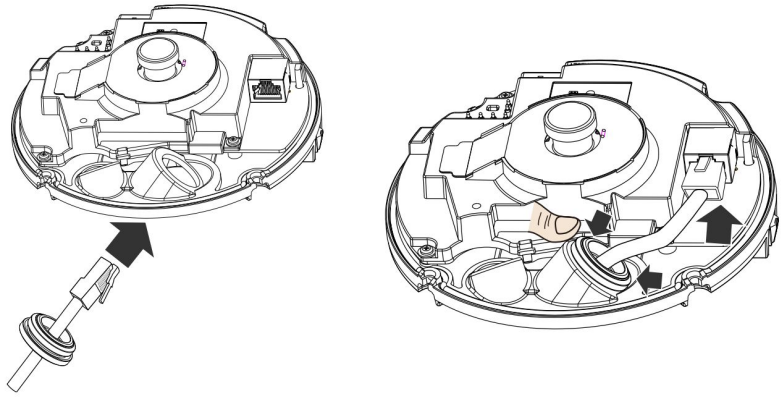

Figure 1-5

Step 6 Insert the two alignment tabs into the marked slots, then pivot the camera base and firmly lock it onto the mounting plate. See Figure 1-6.

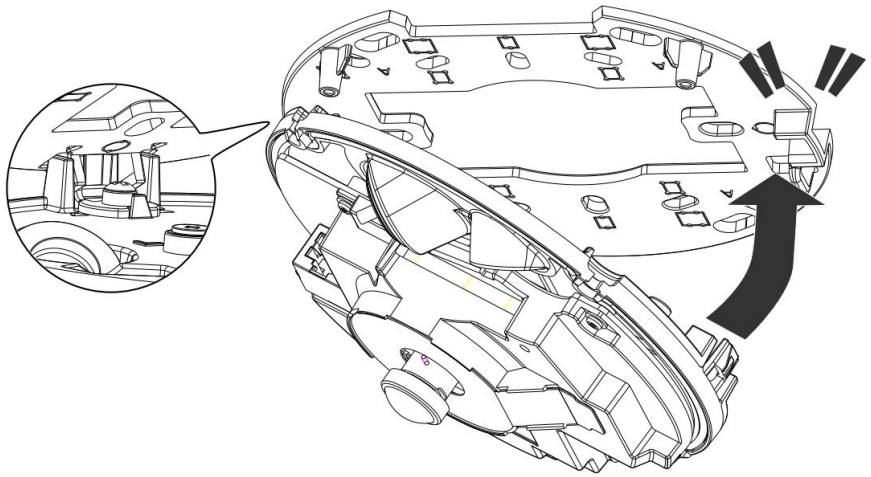

Figure 1-6

Step 7 Replace the dome cover, while making note of its alignment. See Figure 1-7.

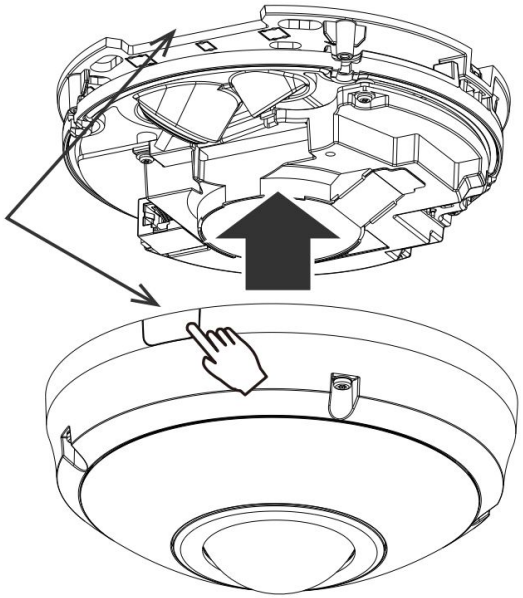

Figure 1-7

Step 8 Tighten the four T10 screws, then remove the dome cover protective film. See Figure 1-8.

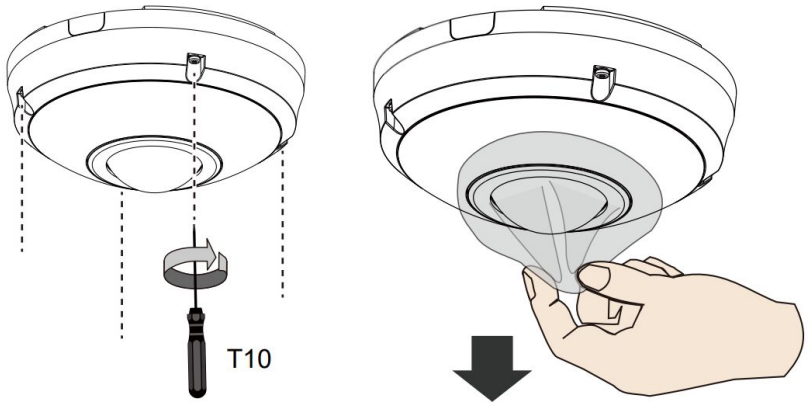

Figure 1-8

1B. RESTORE FACTORY DEFAULTS AND SD CARD INSTALLATION

Important:

- *Make sure the device is powered when attempting to RESET.*

Step 1 Use a T10 hex wrench to unscrew the camera dome cover. Please refer Figure 1-9 for SD card slot and reset location.

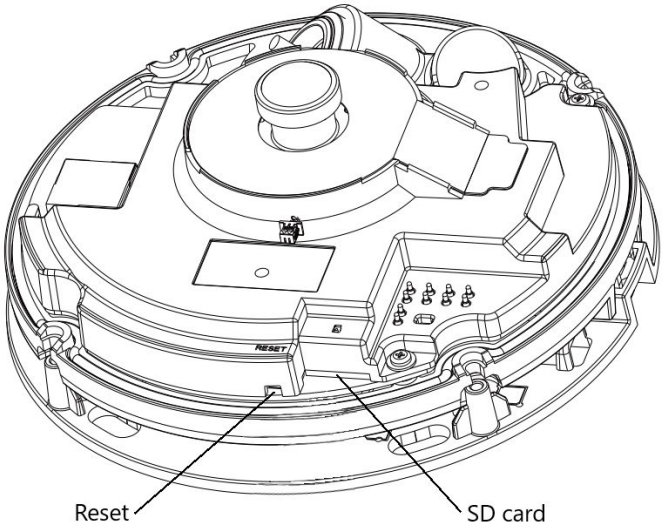

Figure 1-9

Step 2 Slightly press the RESET button for 15-30 seconds to complete the factory reset. The camera will reboot.

2A. NETWORK CONNECTION

- Make sure the IP camera is connected to the network and powered properly.
- Please set the IP address, subnet mask and gateway of the PC to match the network scheme that the camera is on. The camera is set to DHCP out of the box.

2B. SOFTWARE OVERVIEW

The Vigilance Manager tool is used to search the local network for IPND 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*

2C. SOFTWARE OPERATION

Double click the “VigilanceManager.exe” icon to run. The interface will be displayed as shown in Figure 2-1. Click on the blue circle icon with the two arrows to refresh and scan the network.

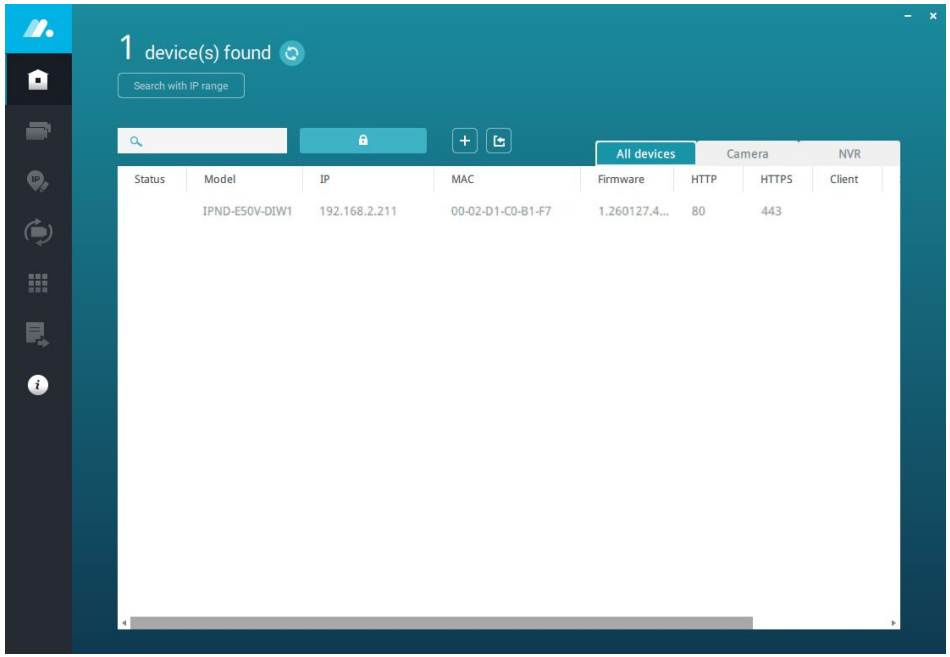

Figure 2-1

Optionally, select “Search with IP range” to modify the IP range to scan. Use asterisk to search a full segment or click on “Add ending range” to search a specific range. See Figure 2-2.

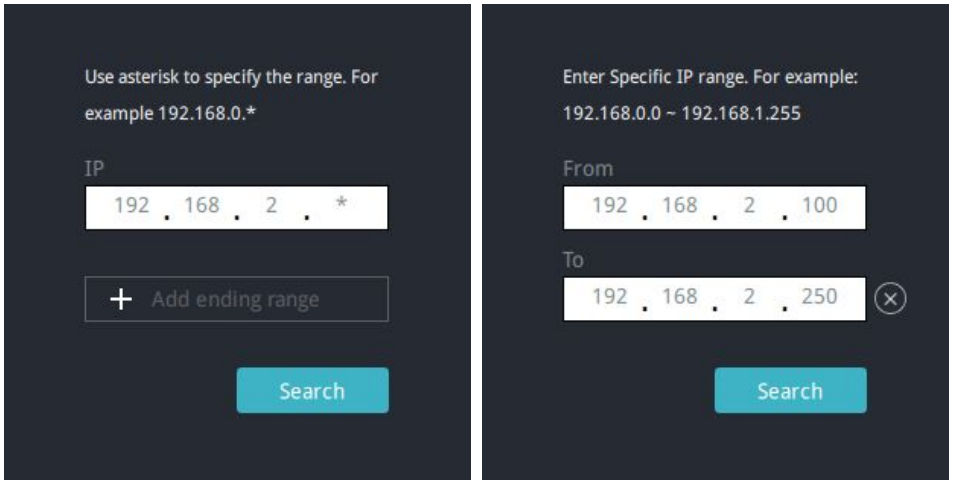

Figure 2-2

The devices found will be listed after the scan is completed. If multiple devices are listed, find the camera you wish to setup based on its MAC address.

As noted on page 1, the MAC address is printed on the cameras product label, both on the camera itself and on the product packaging. See example Figure 2-3

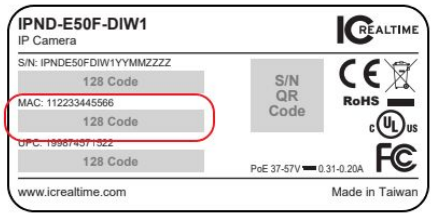

Figure 2-3

You must set a root password for a new device before being able to access it. To do this, follow the steps outlined below.

- Single-clicking on the device line item will select it, then clicking on the Authorize button (blue button with a white lock). See Figure 2-4.
- An Authorization window will pop up. Use root for the User name but leave Password field blank, then hit Apply.
- A new window will pop up, allowing you to set the device root password.

For devices who's root password has already been set, selecting and authorizing them will open up the use of the additional left menu options (Batch camera update, IP address modification, Maintenance, etc.). See Figure 2-4.

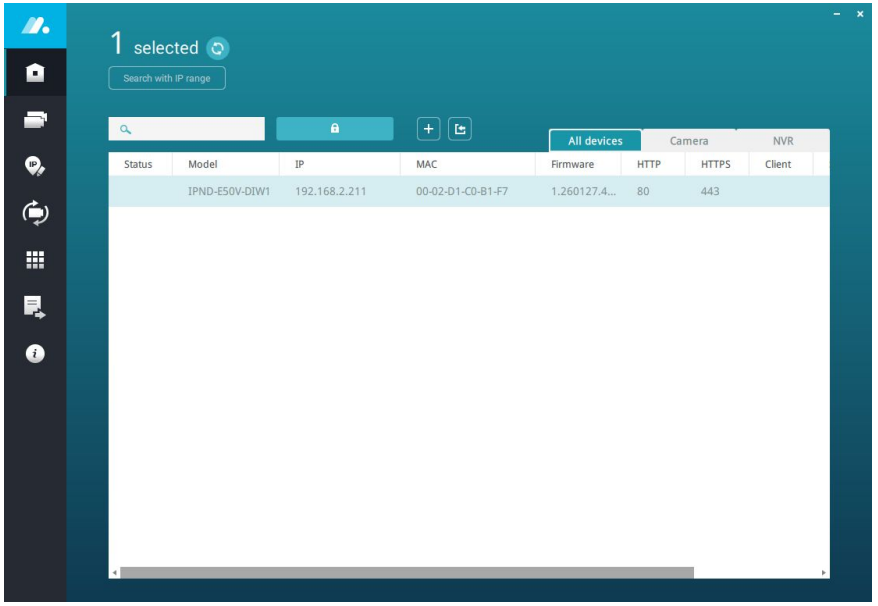

Figure 2-4

2D. WEB OPERATION

Using the Vigilance Manager, find the device you wish to log in to. Double-clicking on the device opens up its web UI on your default browser or you can manually open your browser of choice and enter the device IP address.

The login interface is shown as below. See Figure 2-5.

Note: If this is you first time accessing the device, you will need create a root password.

Please input your user name and password.

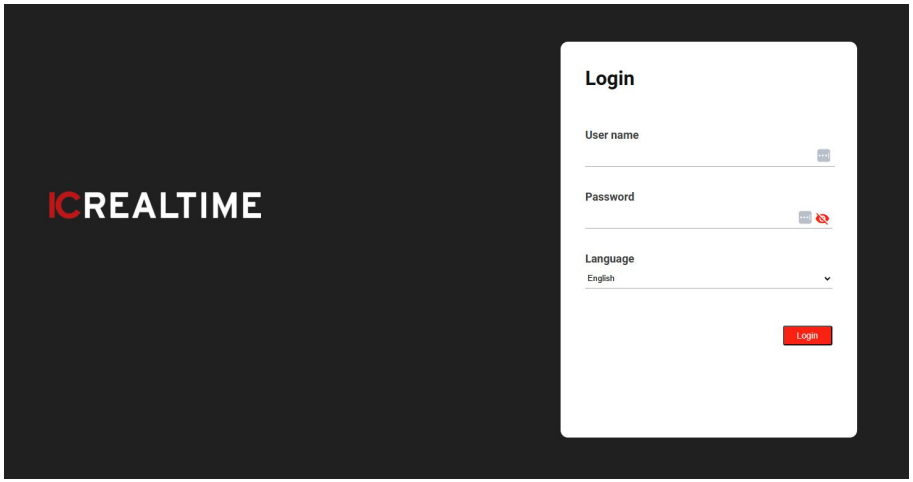

Figure 2-5

Web GUI includes several modules: monitor channel preview, system configuration, alarm and etc. See Figure 2-6.

- Installation: helps set up and fine-tune the camera orientation (live video).
- Image: adjust image quality and appearance.
- Video & Audio: configure video and audio settings
- PTZ Settings: manage pan, tilt, and zoom functions
- App: manage applications and plugins
- Detection: configure Smart VCA features, Motion Detection, Audio Detection, Shock Detection, and Tampering Detection.
- Event: define event triggers and conditions
- Recording: configure recording modes (continuous, event-based, or scheduled).
- System: device settings, network configurations, user accounts, maintenance tasks, storage options, and logs.

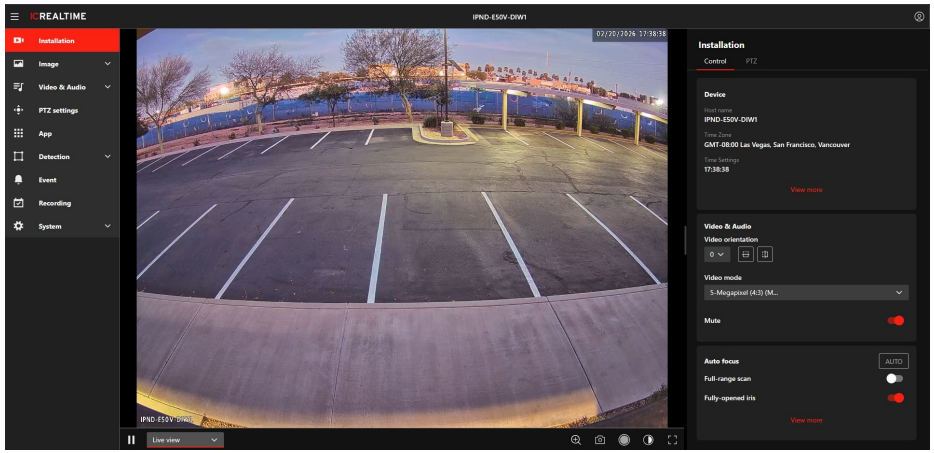

Figure 2-6

4A. FAQ

Device does not operate properly/ lost password.	Please refer to section 1B for factory reset process. Cam will need to be Initialized after factory reset.
There is water in the camera.	Check that all four T10 screws on the camera's dome cover are properly tightened. Main weather gasket on camera body might not be seated. Ensure that the cable pass through grommets are correctly seated and are not worn or damaged.
IR video 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.
I can not upgrade the device via network.	Contact technical support to request firmware.
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 Secure 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.
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.

4B. APPENDIX TOXIC OR HAZARDOUS MATERIALS OR ELEMENTS

Component Name	Pb	Hg	Cd	Cr VI	PBB	PBDE
Circuit Board Component	●	●	●	●	●	●
Device Case	●	●	●	●	●	●
Wire and Cable	●	●	●	●	●	●
Packing Components	●	●	●	●	●	●
Accessories	●	●	●	●	●	●

O: Indicates that the concentration of the hazardous substance in all homogeneous materials in the parts is below the relevant threshold of the SJ/T11363-2006 standard.

X: Indicates that the concentration of the hazardous substance of at least one of all homogeneous materials in the parts is above the relevant threshold of the SJ/T11363-2006 standard. During the environmental-friendly use period (EFUP) period, the toxic or hazardous substance or elements contained in products will not leak or mutate so that the use of these (substances or elements) will not result in any severe environmental pollution, any bodily injury or damage to any assets. The consumer is not authorized to process such kind of substances or elements, please return to the corresponding local authorities to process according to your local government statutes.

Note:

- This user's manual is for reference only. Slight difference may be found in user interface.
- All the designs and software here are subject to change without prior written notice.
- All trademarks and registered trademarks mentioned are the properties of their respective owners.
- If there is any uncertainty or controversy, please refer to the final explanation of us.
- Please visit our website for more information.