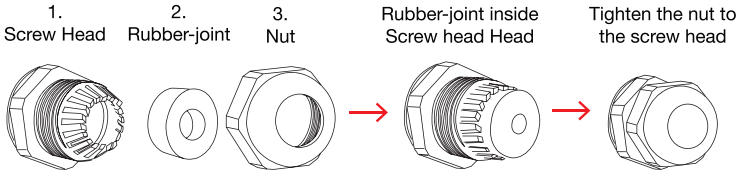
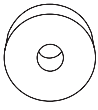
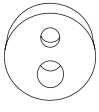
1 - Infrared LEDs	5 high-powered IR LEDs (nightvision @ 850nm)
2 - Lens	Wide-angle (focal length: 4.3mm / field of view: ~ 90° dia.)
3 - Photosensor	Twilight switch for IR LEDs
4 - PIR Detector	Integrated Panasonic passive infrared (PIR) motion detector
5 - Microphone	For noise detection / audio rec. / two-way audio intercom
6 - Audio Output	3.5mm jack for earphone / active speaker
7 - Network Port	RJ45 LAN-port / connector for Cat5e LAN cable or Higher
8 - Power Connector	For included 12V / 2A power supply
9 - MicroSD Card Slot	Slot for MicroSD/SDXC cards (max. 128GB - 16GB included)
10 - WPS / Reset	Three seconds for quick WiFi setup / 15-20 seconds for reset
11 - Status LED	Red: power; blue: network status (Please refer to Section 4.3)
12 - Antenna Connector	RP-SMA WiFi antenna connector (not for PoE version)
13 - Antenna	3.5dB Antenna (option: add INSTAR extension antenna cable)
14 - Weatherproof Connector	For sealing cables with IP65 protection. Different scenarios available for 1-cable, 2-cables, 3-cables
15 - Rubber-Joint	1-cable, 2-cable, 3-cable rubber-joint for different connection purposes. (Please refer to Section 4.4 for more details)
16 - Weatherproof Nut	To close the IP65 connector and to seal the rubber ring
17 - Bracket	For wall mounting and overhead installation

4.3. Status LEDs

Status LED	Blue LED	Red LED
Constant on	Connected to WiFi	N/A
Slow Flashing	Connecting via WPS	Camera at work
Fast Flashing	N/A	Upgrading firmware
Off	LED is turned off, or camera is not plugged into power	LED is turned off, or camera is not plugged into power

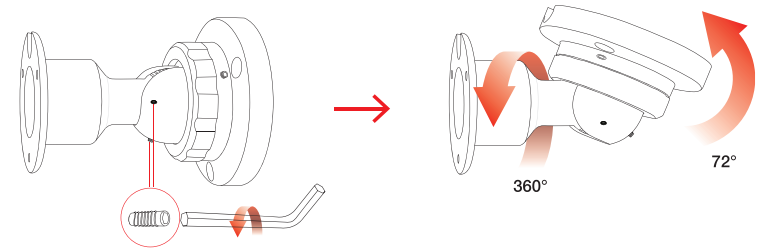
4.4. Weatherproof Screw Set

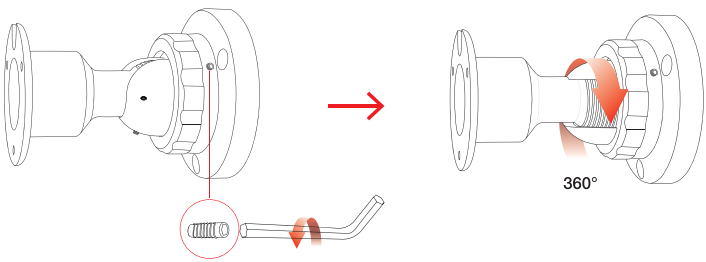


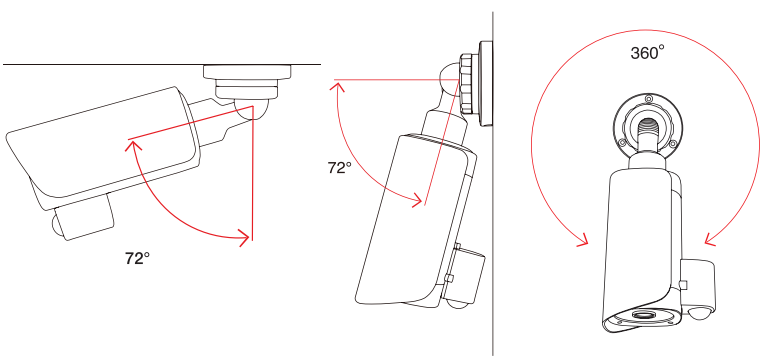
Rubber-joint	LAN/WIFI Camera	PoE Camera
	For WiFi Connection (Only power adaptor necessary)	For PoE Connection (Only Ethernet Cable needed)
	For LAN and Power (Ethernet Cable & Power Adaptor)	For LAN and Power (Ethernet Cable & Power Adaptor)
	For WiFi Connection & Audio Output (Power adaptor & audio cable)	
	For LAN connection including power supply and audio-output (Ethernet cable, power adaptor & audio cable)	

4.5. Bracket

Loosen the screws counter-clock wise in order to align the bracket to the desired position. Once the camera is positioned, please tighten the screws again.







5. Installation

For installation, please simply follow the steps below:

Step 1 Please open the web browser and go to:

http://install.instar.com

to open the **Camera Installation Guide.**

Step 2 Choose your language and camera model IN-9008

Step 3 Select the type of network connection:

a) **Connection via LAN cable** (recommended)
b) **Connection directly with WiFi via WPS** (not for PoE version)

Step 4 Follow each step of the installation process according to your choice.

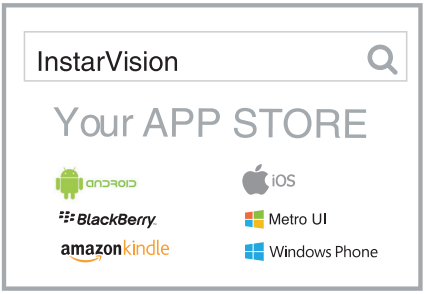
Step 5 On the login page of your camera, please type in the default login credentials shown as below:

Username: **admin**
Password: **instar**

Step 6 You will be greeted with the **Camera Setup Wizard**. Please follow those steps to finalize the setup process. You can start configurating your camera by using the **Web User Interface (WebUI).**

6. Smartphone Apps

INSTAR offers free apps for Android, iOS (iPhone / iPad), Blackberry, Amazon-Kindle, Windows Phone and Windows 8.1 / 10 (Metro). To install the app, please search for "**InstarVision**" on your app store.



The Difference between the App and the Web User Interface (WebUI)

App:

The InstarVision app offers you an easy way to access your camera and view the livestream at any time in any place. Also, it allows you to use the most important settings for every day usage such as alarm activation, alarm recordings playback, switching on/off the night vision, controlling the camera as well as the two-way audio intercom.

The app is not designed for the intitial setup of your camera. For the initial setup of INSTAR cameras, please use the Web User Interface (WebUI).

Web User Interface (WebUI):

You can open the WebUI using a modern HTML5 based web browser on your computer. You only need to use the INSTAR Camera Tool to search for your camera's IP address and then open it inside your default web browser.

The WebUI allows you to set up your camera according to your needs. In the WebUI you can, for example, set the alarm areas for software motion detection, and you can also choose to link the motion detection and PIR to prevent false alarms. Once you set this in the WebUI, you can then activate or deactivate the alarm detection in the InstarVision app.

7. Remote Access

The camera supports two ways to remotely access the live video from all over the world using internet connection.

7.1. P2P Protocol

The P2P protocol provides you with a simple and fast way to connect and communicate with your camera, using our InstarVision app, available for all major platforms and devices. It works with any type of internet connection (local and public IPv4/6, mobile data like LTE, 3G, etc.) as no port forwarding is necessary.

a) Install our newest InstarVision app using the app store on your device
b) Open the app, click the “+” symbol and choose **New P2P Camera**
c) Open your camera´s WebUI, navigate to the menu **Network -> Remote access** and scan the QR code to add your camera

7.2. DDNS Service - HTTP(S) Protocol

The DDNS service provides you with the possibility to directly access your camera remotely via your internet-router. Therefore you can use any modern web browser, our InstarVision software/app and/or third party software for communication via the http(s) protocol.

a) Open the WebUI and go to **Network -> IP configuration**. Provide each camera with a unique HTTP (e.g. 8081, 8082,…), HTTPS (e.g. 443, 444,…) and RTMP Port (e.g. 1935, 1936,…)
b) Access your router and set up port forwarding rules for each port
c) Open the app, click the “+” symbol and choose **New IP camera**
d) Open your camera’s WebUI, navigate to the menu **Network -> Remote access** and scan the QR Code to add your camera. Please be aware that the DDNS service might not work from your local network - always test with your LTE / data connection.

Please consider that port forwarding only works if your router has a public IPv4 address. For detailed description to port forwarding on your router model and DDNS service in general, please refer to:

http://remote.instar.com

8. Camera Reset

In order to reset your camera, please follow the instructions below:

1. Loosen the four screws on the backplate of your camera and put it aside. **(See. Fig.1)**

2. You will find a small black reset button next to the MicroSD slot inside the camera. Keep pressing this reset button for 15-20 seconds. Once you release the button, the camera will start the reset process. **(see Fig. 2)**

3. After the reset, the camera will restart, which can take up to 60 seconds. All data in the camera will be reset to factory defaults. Therefore, please use a network cable or WPS to reconnect the camera to your network. For more information on how to install your camera again, please visit: **http://install.instar.com**. Once you connect the camera to the network, use the INSTAR Camera Tool to find out the camera's IP address and open the camera's WebUI to start configurating your camera again.

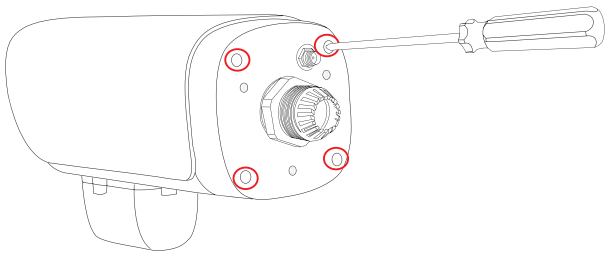


Fig. 1

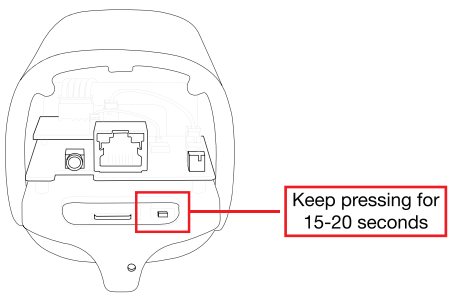
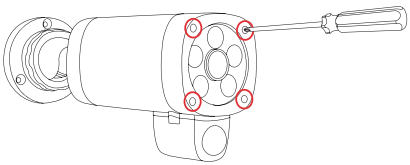


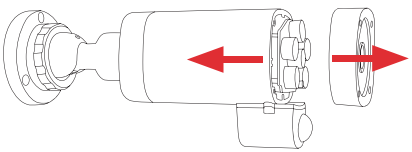
Fig. 2

9. Lens Adjustment

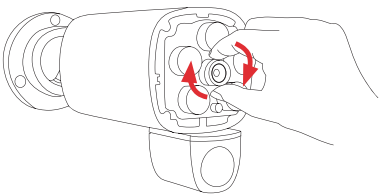
The IN-9008 Full HD standard lens has a depth of field (also focus range) that is adjusted to a distance of approx. 1 - 8m. In case your area of interest is out of focus, you will have to adjust the lens accordingly.



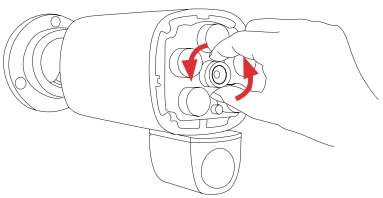
Slide the top cover towards the front to take it off and loosen the four screws at the front cover of the camera.



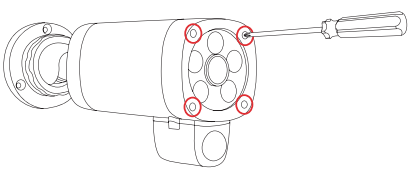
Carefully remove the front cover from the main casing and put it aside.



Open the WebUI and check the live video. Turn the lens, until your area of interest is in focus. If you turn the lens clock-wise, the plane of focus moves away from the camera image sensor.



If you turn the lens counter-clock-wise, the plane of focus moves to-wards the camera's image sensor.



After you adjust the focal point, carefully reinstall the front cover to the casing and tighten the screws again. Also slide back the top cov-er on to the camera.