01 - Photosensor	Twilight switch for IR LEDs
02 - Lens	Wide-angle (focal length: 4.3mm / field of view: ~ 90° dia.)
03 - Infrared LEDs	10 IR LEDs (nightvision @ 850nm)
04 - PIR Detector	Integrated passive infrared motion detector
05 - Loudspeaker	Integrated loudspeaker
06 - MicroSD Card Slot	Slot for MicroSD/SDXC cards (max. 128GB - 16GB included)
07 - Microphone	For noise detection / audio rec. / two-way audio intercom
08 - Power Connector	5V / 1.5A DC - Plug Ø : 1.35mm (in) / 3.5mm (out)
09 - WPS / Reset	3 seconds for quick WiFi setup / 15-20 seconds for reset
10 - Alarm In/Out	Input for potential free external alarm sensors Output (relay) can support max. 24V/1A
11 - Antenna Connector	SMA WiFi antenna connector (not for PoE version)
12 - Network Port	RJ45 LAN-port / connector for Cat5e LAN cable or Higher
13 - Audio Output	3.5mm jack for earphone / active speaker
14 - Status LED	Red: power; blue: network status (both can be turned on/off)
15 - Mount	Standard camera thread for included stand (1/4”-20 UNC)
16 - Camera Label	LAN MAC address and serial number

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

5. Installation

1. Please open the web browser and go to:

   http://install.instar.com

   to open the **Camera Installation Guide.**

2. Choose your language and camera model IN-8015

3. Select the type of network connection:

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

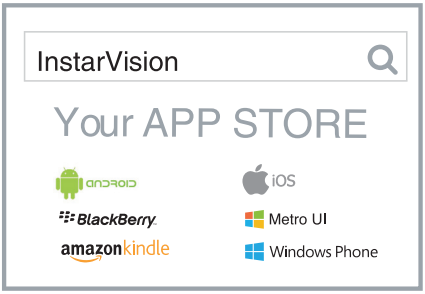
4. Follow each step of the installation process according to your choice

5. On the login page of your camera, please use the default login credentials:
   User Name: **admin**
   Password: **instar**

6. You will be greeted with the **Camera Setup Wizard**. Please follow those steps to finalize the setup process. You can then 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)

1. 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, saving / calling positions 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).

2. 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 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 this 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.

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 connections (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

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.

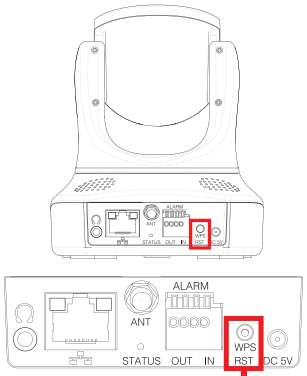
a) Open the WebUI and go to **Network -> IP configuration**. Provide each camera with a unique HTTP (e.g. 8081, 8082,…), HTTPS (e.g. 443, 444,…) and RTMP Port (e.g. 1935, 1936,…)
b) Access your router and set up port forwarding rules for each port
c) Open the app, click the “+” symbol and choose **New 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 (if you forgot your password), please press the small reset button at the rear of your camera for **15-20 seconds**. Please make sure the camera is connected to power while pressing the reset button. After the reset, the camera will restart which can take up to 60 seconds. After a reset, all data in the camera will be set back to factory defaults, therefore use a network cable or WPS to reconnect the camera with your network. For more information on how to install your camera again, please visit our website: **http://install.instar.com.** Once the camera is connected, please use the INSTAR Camera Tool to find out the cameras IP address and open the camera's WebUI to start configurating your camera again.



9. Lens Adjustment

The IN-8015 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.

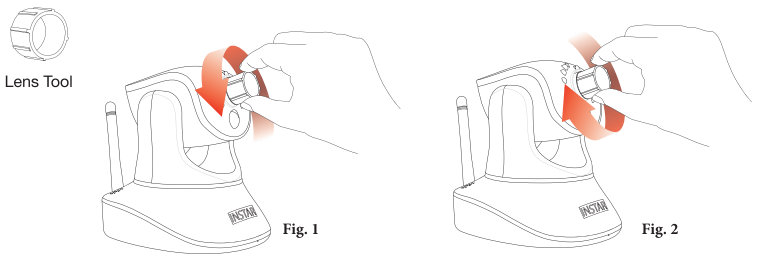


Fig.1 & 2:
Open the WebUI and check the live video. Turn the lens, using the lens focal tool (part of the delivery content) until your area of interest is in focus. If you turn the lens clock-wise, the plane of focus moves away from the camera's image sensor, and if you turn it counter-clock-wise, the plane of focus moves towards it.