

10. Online Manual

This user manual is a printed version. Therefore it represents the specifications and software features from the date printed (Mai 2017). As we are constantly improving our cameras, please always refer to the up-to-date online manual:

<http://manual.instar.com>

The online manual offers you many important topics for using your cameras. Below are some of the topics covered by the online manual:

1. How to use the DDNS address
 2. How to set a port forwarding rule
 3. How to set up motion detection
 4. How to download videos from the build in SD card
- etc...

Firmware Update

INSTAR cameras will be provided with free firmware updates. Open the WebUI and navigate to **System -> Firmware Update**, to check if there is a new update available for your camera model. You can then download and install the latest firmware directly through the WebUI. The latest firmware can also be found here:

<http://firmware.instar.com>

Youtube Installation/Setup Video

For installation, you may also check out our installation videos explaining topics like port forwarding, FTP(S) upload, motion detection and much more ... Just go to YouTube and search for **INSTARTV** or go directly to



<https://www.youtube.com/INSTARTV>

Forum & Social Media

INSTAR offers a customer forum and maintains a Twitter, Facebook account.

Forum:

<https://forum.instar.com>



<https://www.facebook.com/instar.deutschland>



https://twitter.com/INSTAR_DE

11. Technical Data

Image Sensor	
Sensor	1/3" Full HD Panasonic WDR CMOS MN34229
Lens	f = 4.3mm; F/2.1 (IR Lense) / M12 - S-Mount
Angle of View	~90° diagonal
Video Properties	
Video Encoding	h.264/MPEG-4 AVC (Level3) / MJPEG
Video Framerate	Up to 25fps
Supported Resolutions	1920 x 1080, 640 x 352 and 320 x 176 Pixel
Flip / Mirror Image	Horizontal / Vertical
Video Settings	Brightness / Contrast / Saturation / Exposure...
Communication	
Network Interface	10Base-T/100Base-TX Ethernet Port
Wireless (not PoE version)	2.4GHz, IEEE 802.11b/g/n up to 150Mbps
WPA / WPA2 Encryption	TKIP / AES (CCMP)
PoE (only for PoE version)	IEEE 802.3af (+ Pin 4 and 5 / - Pin 7 and 8)
Hardware	
PIR Detector	Passive infrared motion detector
Infrared LED's	10 LED's / 5-10m effective range
MicroSD Card Reader	For MicroSD / SDXC cards up to 128 GB
Pan & Tilt	350° horizontal / 100° vertical
Power Supply	5V DC 1.5A (110-240V), 1.35mm / 3.5mm (out)
Power Consumption	max. 8W (in normal operation 4W)
Operating Temperature	- 5°C to 55°C
Requirements	
Web Browser	Web browser supporting HTML5
CPU / Graphic Card	Dual Core (min. 2Ghz) / 256MB+ Graphic Card
Bandwidth	min. 512kbs per camera

12. Warranty & Disposal

1. Warranty

INSTAR offers a 2-year warranty on its products. During this period you can send in your camera for free repair. This excludes cameras installed with custom-made or 3rd party Firmware and WebUIs which have not been approved by INSTAR. The warranty is only for hardware parts of the camera.

If you are calling our service team, please keep your model and serial number ready. In case your camera is defective and you want to send it for repair, please contact support@instar.com to request a RMA number. With this RMA number you can then send your camera for repairment.

You can find your INSTAR SERVICE CENTER at the following address:

Company:

INSTAR Deutschland GmbH
Raiffeisenstraße 12
65510 Hünstetten Bechtheim
Germany

Hotline: +49 (6438) 9198992
(Mo - Fr, 8am – 2pm GMT+1)
Website: www.instar.com
Email: support@instar.com

2. Disposal of old electrical appliances

The European Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE) requires that old household electrical appliances must not be disposed of in the normal unsorted municipal waste stream. Old appliances must be collected separately in order to optimize the recovery and recycling of the materials they contain, and reduce the impact on human health and the environment. The crossed out “wheeled bin” symbols on the product reminds you of your obligation, that when you dispose of the appliance it must be separately collected. Consumers should contact their local authority or retailer for information concerning the correct disposal of their old appliance.

Manufacturer ⁽¹⁾ Name	INSTAR Deutschland GmbH
Manufacturer Address	Auf der Hostert 17, 65510 Hünstetten Bechtheim, Germany
Trade Name :	INSTAR
Product name	IP / NETWORK CAMERA
Model	IN-8015 Full HD, IN-8002 Full HD, IN-8006 Full HD
Frequency band (MHz)	Tx/Rx: 2412MHz~2462MHz for 802.11b/g/n20
Modulation :	DSSS, OFDM
Antenna type :	Chip Antenna
RF output power(ERP/EIRP)	8.9dBm
Software version	4.1.2.36
Firmware version	v1.0

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The distance between user and products should be no less than 20cm

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

The distance between user and products should be no less than 20cm

Cet appareil est conforme aux CNR exemptes de licence d'Industrie Canada . Son fonctionnement est soumis aux deux conditions suivantes :

- (1) Ce dispositif ne peut causer d'interférences; et
- (2) Ce dispositif doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.

la distance entre l'utilisateur et les produits devraient être au moins 20 cm