

10. Online Material

10.1. Online Manual

This user manual is a printed version. Therefore it represents the specifications and software features from the date printed (June 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 camera. 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...

10.2. 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>

10.3. 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 many more ... Just go to YouTube and search for **INSTARTV** or go directly to



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

10.4. 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 Pixels
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	Panasonic Passive Infrared Motion Detector
Infrared LEDs	5 High-Power LED's / 15-20m effective range
MicroSD Card Reader	For MicroSD / SDXC cards up to 128 GB
Power Supply	Output: 12V DC 2A / Input: 110-240V
Power Consumption	Max. 8.5W (in normal operation 3W)
Operating Temperature	- 5°C to 55°C (-25°C with optional heater)

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

12.1. Warranty

INSTAR offers a 2-year warranty on its products. During this period you can send in your camera for free repair (the shipping cost to our service center will have to be paid by the customer). This excludes cameras installed with custom-made or third party firmware and WebUIs which have not been approved by INSTAR. The warranty is limited to 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

12.2. 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.



INSTAR Deutschland GmbH
Your Specialist for Network and Security Equipments



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.

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.