

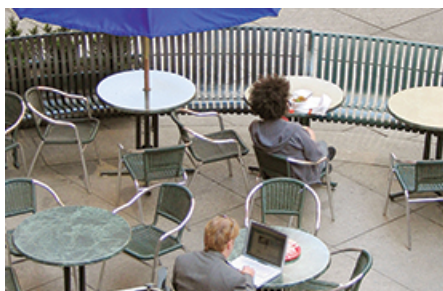


## Outdoor 1.3 MP HD WiFi IR Network Camera

TV-IP322WI (v1.0R)

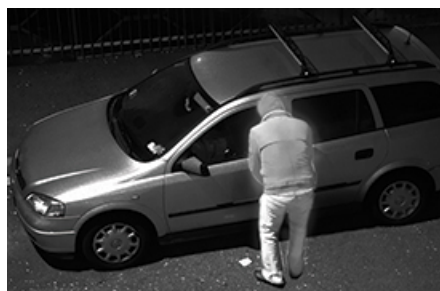
- 1.3 Megapixel HD resolution (960p)
- Connect to a WiFi N or PoE network
- Compact IP66 weather rated housing
- Night vision up to 30 meters (100 ft.)
- Program motion detection recording and email alerts
- MicroSD card slot (up to 64 GB)
- Digital Wide Dynamic Range image balancing
- ONVIF and IPv6 support

TRENDnet's Outdoor 1.3 MP HD WiFi IR Network Camera, model TV-IP322WI, provides powerful 1.3 megapixel night vision in complete darkness for up to 30 meters (100 ft.). This ultra-compact camera is outdoor ready with an IP66 weather rated housing, embedded WiFi N, and a MicroSD card slot. It comes with a free iOS® and Android™ mobile app and complimentary pro-grade software to manage up to 32 TRENDnet cameras.



### WiFi or PoE

The ability to connect the camera to an existing WiFi (2.4 GHz) or PoE network offers installation flexibility.



### Day/Night HD Surveillance

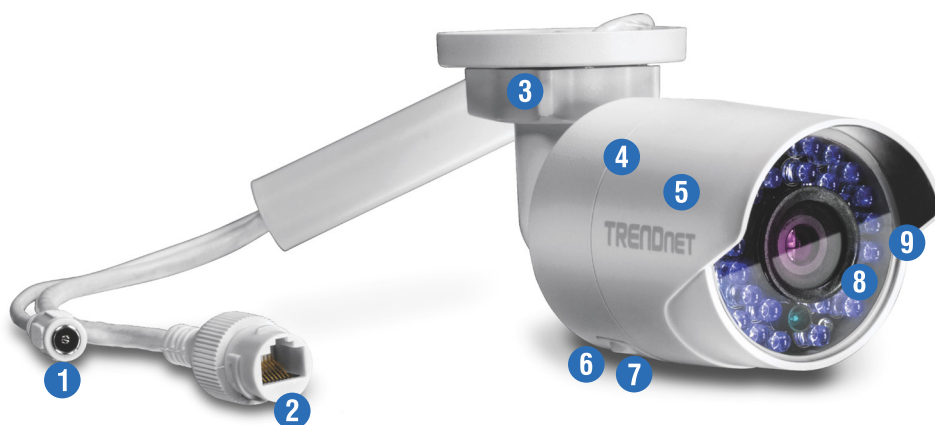
960p video (1.3 Megapixel) at 30 fps in H.264 compression and 30 meter rated night vision provide 24 hour surveillance.



### Outdoor Ready

Built for extreme environments with an IP66 weather rating and an operating temperature range of -30 – 60 °C (-22 – 140 °F).

## Networking Solution



- 1 Power port
- 2 Optional PoE port
- 3 Adjustable mounting hardware
- 4 Built-in 2.4 GHz WiFi
- 5 IP66 housing
- 6 MicroSD card slot (up to 64 GB)
- 7 WPS with reset button
- 8 IR LEDs
- 9 Sun visor



### 1.3 Megapixel

Record up to 1280 x 960 pixel video (960p) at 30 fps in H.264 compression



### Night Vision

Night vision up to 30 meters (100 ft.) in complete darkness



### Adjustable Bracket

Adjustable integrated mounting bracket provides installation flexibility



### WiFi N

Network the camera to an existing Wireless N (2.4 GHz) network



### PoE

Supports a Power over Ethernet (IEEE 802.3af) network connection for an optional PoE installation



### Outdoor Ready

Outdoor IP66 weather rated and an operating temperature range of -30 – 60 °C (-22 – 140 °F)



### Storage

Store video to a MicroSD (SDHC, SDXC) card up to 64 GB (sold separately) or set up SMB or FTP Server storage



### Smart IR

Dynamic IR adjustment optimizes night visibility



### D-WDR

Digital Wide Dynamic Range improves video quality in high contrast lighting environments



### Advanced Playback

Advanced in-camera archived video review functionality



### Motion Detection

Create motion detection windows with separate sensitivity settings and event triggers



### Recording Schedule

Define a weekly recording schedule with a mixture of continuous and motion detection recording



### IPv6

IPv6 support



### ONVIF

ONVIF Profile S compliant



### Free Apps

See live video on a mobile device with free iOS® and Android™ apps



### Complimentary Software

Complimentary pro-grade software to manage up to 32 TRENDnet cameras

## Specifications

### Lens

- Focal length: 4 mm
- Focal depth: 20 cm+
- Aperture: F2.0
- Board lens
- Sensor: 1/3" progressive scan CMOS

### Viewing Angle

- Horizontal: 71.6°
- Vertical: 52°
- Diagonal: 92°

### Zoom

- User-defined digital zoom

### Minimum Illumination

- IR off: 0.028 lux
- IR on: 0 lux
- IR Wavelength: 850nm
- 30 meter IR illumination distance
- Smart IR reduces close object overexposure

### Video

- D-WDR: 0-100 scale
- 3D Digital Noise Reduction (DNR)
- Shutter speed: 1/3 - 1/100,000
- H.264: 1280 x 960 up to 30 fps
- MJPEG: 704 x 480 up to 30 fps

### Hardware Standards

- IEEE 802.1X
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3af
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11n

### Device Interface

- 10/100 Mbps PoE port
- Power port (for wireless installations)
- Integrated adjustable mounting base
- MicroSD card slot (up to 64 GB)
- WPS button
- Reset button
- LED indicator

### Frequency

- 2.412 – 2.483 GHz

### Modulation

- 802.11b: CCK, QPSK, BPSK
- 802.11g/n: OFDM

### Antenna Gain

- Built-in 3dBi

### Security:

- 64/128-bit, WPA/WPA2-PSK

### Data Rate

- 802.11b: up to 11 Mbps

- 802.11g: up to 54 Mbps
- 802.11n: up to 150 Mbps

### Output Power

- 802.11b: 17 ± 1.5 dBm (typical)
- 802.11g: 14 ± 1.5 dBm (typical)
- 802.11n: 12.5 ± 1.5 dBm (typical)

### Receiving Sensitivity

- 802.11b: -90 dBm at 11 Mbps
- 802.11g: -75 dBm at 54 Mbps
- 802.11n: -74 dBm at 150 Mbps

### Channel

- 1-11 (FCC), 1-13 (ETSI)

### Wireless Range

- 50 Meter (depends on the environment)

### Housing

- Weather rating: IP66

### Network Protocol

- IPv4, IPv6, UDP, TCP, ICMP, ONVIF v2.2, DHCP, NTP, DNS, DDNS, SMTP, FTP, SNMP (v1, v2c, v3), QoS, IGMP, Bonjour
- NFS, SMB/CIFS
- HTTP, HTTPS
- PPPoE
- UPnP, RTSP, RTP, RTCP, SSL

### Operating Temperature

- -30 – 60 °C (-22 – 140 °F)

### Operating Humidity

- Max. 95% non-condensing

### Certifications

- CE
- FCC
- UL 60950

### Dimensions

- 150 x 60 x 75 mm (5.9 x 2.4 x 3.0 in.)

### Weight

- 334 g (11.9 oz.)

### Power

- Input: 100 – 240 V 50/60 Hz 0.3 A
- Output: 12 V 1 A
- Consumption: 7 Watts max.
- PoE: 802.3af

### Management Interface

- Multi-language support: English, French, German, Russian, and Spanish
- IP address filter
- QoS traffic prioritization
- Time, date, and text overlay
- Image settings: brightness, contrast, saturation, sharpness, smart IR, exposure time (1/3 – 1/100,000), video standard, day/night switch, sensitivity, switch time, mirror, D-WDR, white balance, digital noise reduction

- D-WDR enhances video quality in high contrast daytime lighting
- 3D Digital Noise Reduction enhances night vision quality
- Scheduled recording: continuous and motion detection
- Video storage: to computer, NAS, CIFS/SAMBA share or through software
- Motion detection fields: define custom motion detection areas, motion sensitivity, and dynamic motion analysis
- Privacy masks: define custom privacy mask areas
- Tamper detection: email notification if the viewing field darkens suddenly
- Video playback: advanced playback functionality with visual timeline displaying detected motion and scheduled recordings
- Alert messages: storage full, storage error, and illegal login
- Snapshot: real time snapshot, motion detection with schedule, video tamper detection with schedule
- Supported dynamic DNS services: Dyn.com and NO-IP.com
- Management Setting: maximum 32 user accounts
- Supports remote management
- Storage logs: Alarm, Exception, Operation, and others
- Compatibility: Internet Explorer® 9.0 or higher, Firefox® 13.0 or higher, Safari® 4.0 or higher, Chrome™ 24.0 or higher

### TRENDnetView Pro Software

- Supports up to 32 TRENDnet cameras
- Multiple language support
- Set recording options (motion detection, schedule, event trigger)
- Search and playback
- Custom viewing modes and options
- Compatibility: Windows® 10, 8.1, 8, 7, Vista, XP, Windows Server® 2003, 2008

### TRENDnet IPView App

- Free iOS and Android™ app
- View your camera on your mobile device
- Take snapshots
- Zoom

### Warranty

- 3 year limited

### Package Contents

- TV-IP322WI
- CD-ROM (Utility, Software & User's Guide)
- Quick Installation Guide
- Camera mounting hardware
- Power adapter (12V 1A)
- Network Cable (2 m / 6.5 ft.)

