

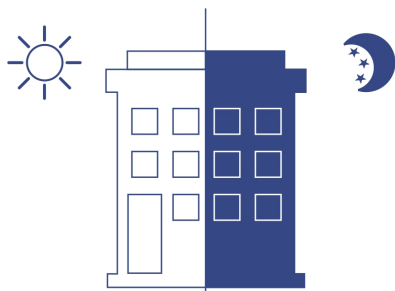


## Indoor / Outdoor 4 MP Varifocal PoE IR Dome Network Camera

TV-IP345PI (v1.1R)

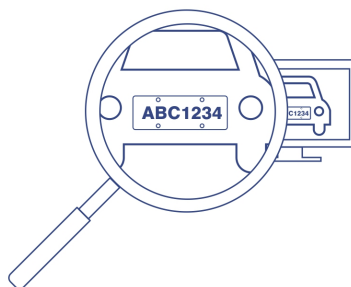
- Fixed dome PoE network camera
- 4 MP resolution at 30 fps
- Auto-focus / optical zoom and manual pan / tilt
- Night vision up to 20m (66 ft.)
- Outdoor IP66 weather rating
- Program motion detection recording and email alerts
- Digital Wide Dynamic Range image balancing
- ONVIF and IPv6 support

TRENDnet's Indoor / Outdoor 4 MP Varifocal PoE IR Dome Network Camera, model TV-IP345PI, provides powerful 4 MP HD night vision at 30 fps in complete darkness for up to 20 m (66 ft.). This IP66 weather rated camera features manual pan / tilt and auto-focus / optical zoom which provide installation flexibility and time savings. Use the included pro-grade software to manage up to 32 TRENDnet cameras or download the free iOS® or Android™ mobile app.



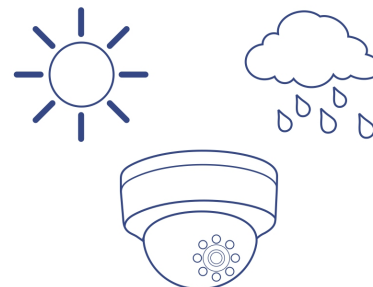
### 4 MP HD Surveillance

4 MP H.264 HD Video @ 30 fps and 20 m (66 ft.) night vision provides high-resolution 24-hour surveillance.



### Enhanced Viewing

Manual pan / tilt allows users to capture the precise viewing field and 4.2x optical zoom with auto-focus enhances the image to provide better detail and clarity.



### Outdoor Ready

Built for extreme environments with an IP66 weather rating and an operating temperature range of -20 to 60 °C (-4 to 140 °F).

## Networking Solution



- 1 10/100 Mbps PoE port
- 2 Optional power port
- 3 Speaker port
- 4 Microphone port
- 5 Grounding
- 6 GPIO
- 7 IR LEDs
- 8 Motorized varifocal lens
- 9 Fixed Pan Tilt
- 10 IP66 Rated



### 4 Megapixel

Record 2688 x 1520 pixel resolution at a 30 fps in the space saving H.264 compression format



### Auto-Focus / Optical Zoom

Auto-focus saves installation and troubleshooting time and remote optical zoom allows users to capture the precise desired viewing field



### Night Vision

Night vision up to 20 m (66 ft.) in complete darkness



### PoE

Save installation costs with Power over Ethernet (IEEE 802.3af)



### Outdoor Ready

Outdoor IP66 weather rated with an operating temperature range of -20 to 60 °C (-4 to 140 °F)



### GPIO Ports and Alerts

Network an alarm system to Input/Output ports



### Audio Support

Audio in and out ports for third party microphone and speaker (sold separately)



### MicroSD Card Slot

Add up to 64 GB memory for on-board video storage



### D-WDR

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



### Motion Detection

Create motion detection windows with separate sensitivity settings and event triggers



### IPv6 / ONVIF

IPv6 supported and ONVIF compliant



### Varifocal

Optical zoom by a factor of 4.2x with auto-focus to a final fixed position for installation flexibility



### Multi-Language Interface

Support for English, French, Spanish, German, and Russian



### Complimentary App

Live video to a mobile device with a free iOS® and Android™ apps



### Complimentary Software

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

## Specifications

### Lens

- Focal Length: 2.8 - 12 mm @ F1.4
- Focal depth: 30 cm to infinity
- Motorized varifocal lens
- Sensor: 1/3" 2 Megapixel CMOS sensor
- Zoom: optical 4.2x, digital 4x

### Viewing Angle

- Diagonal: 45 - 117 °
- Horizontal: 36 - 103 °
- Vertical : 19 - 56 °

### Minimum Illumination

- IR off: 0.031 lux
- IR on: 0.08 lux
- 20m IR illumination distance
- IR wavelength : 850nm

### Video Codec / Resolution (16:9)

- H.264: 2688 x 1520 up to 30 fps
- MJPEG: 2688 x 1520 up to 30 fps
- H.264: 640 x 480 up to 15 fps (3GPP only)

### Audio

- 3.5 mm microphone jack
- 3.5 mm speaker jack

### Hardware Standard

- IEEE 802.1x
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3af

### Device Interface

- 10/100 Mbps PoE port
- Micro SD card slot
- IR LEDs
- 3.5 mm microphone jack
- 3.5 mm speaker jack
- GPIO terminal
- Power jack

### Housing

- IP66 rated
- IK10 rated
- Direct cabling through the bottom or side of housing

### Network Protocol

- IPv4, IPv6, UDP, TCP / IP, ONVIF V2.4.2
- DHCP, NTP, DDNS, SMTP, FTP, LLTD
- SNMP v1-v3, QoS / DSCP, IEEE 802.1X
- Samba, Bonjour
- HTTP, HTTPS
- PPPoE
- UPnP, RTSP, RTP, 3GPP

### Dimension

- 137 x 137 x 102 mm (5.4 x 5.4 x 4 in.)

### Weight

- 962 g (2.1 lbs.)

### Operating Temperature

- -20 – 50 °C (-4 – 122 °F)

### Humidity

- Max. 90% non-condensing

### Power (Power adapter not included)

- Input: 100 - 240 V AC , 50/60 Hz, 1 A
- Output: 12 V DC, 1 A external power adapter (for non-PoE installations)
- Max. consumption: 8.64 W

### 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, hue, sharpness, D-WDR, Denoise 2D, Shutter time, sense-up, Saturation, AGC (automatic gain control), flip, mirror, 90 degree rotate, IR, day / night mode, white balance
- D-WDR enhances video quality in high contrast daytime lighting
- 2D Digital Noise Reduction enhances night vision quality
- Recording: to computer, NAS, SAMBA, or through software
- Video Recording: scheduled, motion detection, sound detection, and tamper detection
- Motion detection: define up to three motion detection areas and motion sensitivity

- Sound detection: requires installation of third party microphone
- Privacy masks: define custom privacy mask up to 3 areas
- Tamper detection function: email notification, FTP, alarm, SD card, or Samba server if the viewing field darkens suddenly
- Network disconnection fallback: set to automatically save video to Micro SD card (sold separately) if connection to network is broken
- Snapshot: real time snapshot, sound detection, and motion detection
- Supported dynamic DNS services: dyn.com, no-ip.com, and iptecno.com
- Management setting: maximum 21 user accounts
- Supports remote management
- Compatibility (PC based): Internet Explorer® 8.0 or higher

### TRENDnetVIEW Pro Software

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

### TRENDnetVIEW App

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

### Certifications

- CE
- FCC
- IK10

### Warranty

- 3 year limited

### Package Contents

- TV-IP345PI
- Quick Installation Guide
- CD-ROM (Utility, Software, & User's Guide)
- Camera mounting hardware