TRENDNET®

Indoor/Outdoor 4 MP PoE Dome Day/Night Network Camera

TV-IP315PI (v1.0R)

- 4 MP Full HD resolution
- Compact IP66 weather rated housing
- IK10 vandal proof protection
- Night vision up to 30 m (100 ft.)
- Save installation costs with Power over Ethernet (PoE)
- Program motion detection recording and email alerts
- Wide Dynamic Range image balancing
- ONVIF and IPv6 support

The Indoor/Outdoor 4 MP PoE Dome Day/Night Network Camera, model TV-IP315PI, provides powerful 4-megapixel night vision in complete darkness for up to 30 meters (100 ft.) Even in extreme environments, this ultra-compact camera will function all year, thanks to an IP66 weather rated housing. Use the included pro-grade software to manage up to 32 TRENDnet cameras or download the free iOS® or Android™ mobile app.
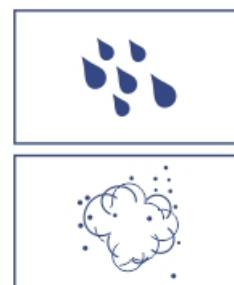
Power over Ethernet (PoE)

PoE offers cost savings and the flexibility to install this compact dome camera in the desired location.

Day/Night HD Surveillance

Powerful 4 MP video at 20 fps in H.264+ compression (2 MP 1080p at 30 fps) and 30 m 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

❶ Mounting base

❷ IP66 housing

❸ IR LEDs

❹ PoE port

❺ Power port

Hardware

Compact Fixed Dome
Manually pan and tilt 75° to set the camera's final viewing field

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

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

Vandal Resistant
Impact protection rated with IK10

Performance

4 Megapixel
Record 2688 x 1520 pixel video at 20 fps in H.264+ compression

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

Smart IR
Dynamic IR adjustment optimizes night visibility

WDR
120 dB Wide Dynamic Range improves video quality in high contrast lighting environments

Camera Management

Multi-Language Interface
Support for English, French, Spanish, German, and Portuguese

Advanced Playback
Advanced in-camera archived video review functionality

Storage
SMB / CIFS support with notification if storage drive is full

Motion Detection
Create motion detection windows with separate sensitivity settings and event triggers

Recording Schedule
Define a weekly recording schedule

Tamper Detection
Receive tamper detection video clips via email

IPv6
IPv6 support

ONVIF / PSIA
ONVIF (Profile S, Profile G) and PSIA 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 TRENDnet 32 cameras

Specifications

Lens
- Focal length: 4 mm, F2.0
- Focal depth: 20 cm +
- Lens: fixed focus
- Sensor: 1/3" progressive scan CMOS
- DNR: 3D DNR
- WDR: 120 dB
- Zoom: user define zoom area

Viewing Angle
- Horizontal: 83°
- Vertical: 45°
- Diagonal: 98°

Minimum Illumination
- IR off : 0.01 lux
- IR on: 0 lux
- Built-in IR cut filter
- 30 m IR illumination distance
- Smart IR

Video Resolution
- H.264, H.264+: 2688 x 1520 up to 20 fps (1920 x 1080 up to 30 fps)
- MJPEG: 640 x 360 up to 30 fps

Hardware Standards
- IEEE 802.1X
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3af

Device Interface
- 10/100 Mbps PoE port
- Power port (for non-PoE installations, adapter sold separately)
- Reset button

Network Protocol
- IPv4, IPv6, UDP, TCP, ICMP, ONVIF Profile S and Profile G, PSIA
- DHCP, NTP, DNS, DDNS, SMTP, FTP, SNMP (v1, v2c, v3)
- NFS, SMB / CIFS
- HTTP, HTTPS
- PPPoE

- UPnP, Bonjour, RTSP, RTP, RTCP, SSL

Operating Temperature
- -30 – 60 °C (-22 – 140 °F)

Operating Humidity
- Max. 95% non-condensing

Certifications
- CE
- FCC

Dimensions
- 110 x 110 x 90 mm. (4.3 x 4.3 x 3.5 in.)

Weight
- 476 g (1.05 lb.)

Power
- Input: PoE (802.3af)
- Consumption: 5 Watts max.

Optional Power Supply (Sold separately)
- Input: 100 – 240 V AC 50/60 Hz 0.5 A
- Output: 12 V DC 1 A
- 5.5 mm barrel connector
- TRENDnet power adapter, model 12VDC1A (not included)

Management Interface
- Multi-language support: English, French, German, Spanish and Portuguese
- IP address filter
- QoS traffic prioritization
- Time, date, and text overlay
- Image settings: brightness, contrast, saturation, hue, sharpness, smart IR, exposure time (1/3 – 1/100,000), scan rate, mirror, flip, D-WDR, back light compensation, white balance, digital noise reduction
- WDR enhances video quality in high contrast daytime lighting
- Digital Noise Reduction enhances night vision quality
- Recording: to computer, NAS, SMB / CIFS share, or through software
- Scheduled recording: continuous and motion detection

- Motion detection fields: define custom motion detection areas, motion sensitivity, and dynamic motion analysis
- Privacy masks: define custom privacy mask areas
- Video tamper detection: email notification if the viewing field darkens suddenly
- Video playback interface: playback recorded video from remote storage
- 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
- Compatibility: Chrome™ 24.0 or higher, Internet Explorer® 9.0 or higher, Firefox® 13.0 or higher, Safari® 4.0 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, 2012

TRENDnet IPView App
- Free iOS® and Android™ app
- View your camera on your mobile device
- Take snapshots

Warranty
- 3 year limited

Package Contents
- TV-IP315PI
- CD-ROM (Utility Software & User's Guide)
- Quick Installation Guide
- Camera mounting hardware