



## Indoor / Outdoor 1.3 MP HD PoE Dome IR Network Camera

TV-IP321PI (v1.0R)

- 1.3 Megapixel HD resolution
- Compact IP66 weather rated fixed dome housing
- Night vision up to 25 meters (82 ft.)
- Save installation costs with Power over Ethernet (PoE)
- Program motion detection recording and email alerts
- Vandal resistant housing
- Digital Wide Dynamic Range image balancing
- ONVIF and IPv6 support

The Indoor / Outdoor 1.3 MP HD PoE Dome IR Network Camera, model TV-IP321PI, provides powerful 1.3 megapixel night vision in complete darkness for up to 25 meters (82 ft.). This ultra-compact vandal resistant fixed dome camera is outdoor ready with an IP66 weather rated housing. It comes with a free Apple® and Android™ mobile app and complimentary pro-grade software to manage up to 32 TRENDnet cameras.



### Compact Fixed Dome

Manually pan 355° 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: IEC60068-275Eh, 50J; EN50102, exceeding IK10



### 1.3 Megapixel

Record 1280 x 960 pixel video at 30 fps in H.264 compression



### Night Vision

Night vision up to 25 meters (82 ft.) in complete darkness



### Smart IR

Dynamic IR adjustment optimizes night visibility



### D-WDR

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



### 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

ONVIF v2.2 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

## Networking Solution

- 1 Power port  
(Optional power adapter not included 12VDC1A)
- 2 PoE port
- 3 IR LEDs
- 4 Adjustable fixed PTZ
- 5 IP66 housing
- 6 Mounting plate



## Specifications

### Lens

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

### Viewing Angle

- Horizontal: 70°
- Vertical: 52°
- Diagonal: 89°

### Zoom

- User-defined digital zoom

### Pan/Tilt

- Fix position adjustable
- Pan: 355°
- Tilt: 15 - 90°

### Minimum Illumination

- IR off: 0.01 lux
- IR on: 0 lux
- 25 meter IR illumination distance
- Smart IR

### Video

- D-WDR: 0-100 scale
- Shutter speed: 1/3 - 1/10,000
- 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

### Device Interface

- 10/100 Mbps PoE port
- Power port (for non-PoE installations, power adapter sold separately (12VDC1A))
- Reset button

### Housing

- Weather rating: IP66
- Impact rating: IK10

### Network Protocol

- IPv4, IPv6, UDP, TCP, ICMP, ONVIF v2.2

- 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
- UL 60950

### Dimensions

- 111 x 111 x 82 mm (4.4 x 4.4 x 3.2 in.)

### Weight

- 370 g (13.1 oz.)

### Power

- Input: PoE (802.3af)
- Consumption: 7 Watts max.

### Optional Power Supply (Sold separately)

- Output: 12 V DC 1 A
- 5.5 mm barrel connector
- TRENDnet power adapter, model 12VDC1A, sold separately

### 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, SMB/CIFS 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
- Browser 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
- Compatibility: Internet Explorer® 9.0 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

### TRENDnetVIEW App

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

### Warranty

- 3 year limited

### Package Contents

- TV-IP321PI
- CD-ROM (Utility Software & User's Guide)
- Multi-Language Quick Installation Guide
- Camera mounting hardware
- (Optional power adapter not included)

Compatible NVR: [www.trendnet.com/info/tv-nvr104](http://www.trendnet.com/info/tv-nvr104)

