TRENDNET®

Outdoor 1.3 MP HD PoE IR Network Camera

TV-IP320PI (v1.0R)

- 1.3 Megapixel HD resolution
- Compact IP66 weather rated housing
- Night vision up to 30 meters (100 ft.)
- Save installation costs with Power over Ethernet (PoE)
- Program motion detection recording and email alerts
- Digital Wide Dynamic Range image balancing
- ONVIF and IPv6 support

The Outdoor 1.3 MP HD PoE IR Network Camera, model TV-IP320PI, provides powerful 1.3 megapixel HD 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. It comes with a free Apple® and Android™ mobile app and Complimentary pro-grade software to manage up to 32 TRENDnet cameras.

TRENDnet®

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)

1MP
1.3 Megapixel
Record 1280 x 960 pixel video at 30 fps in H.264 compression

Night Vision
Night vision up to 30 meters (100 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

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

DDNS
Dynamic DNS Support
Support for dyn.com and NO-IP.org

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. Adjustable mounting hardware
2. Reset button
3. IP66 housing
4. Power port
   (Optional power adapter not included 12VDC1A)
5. PoE port
6. IR LEDs
7. Sun visor

TRENDnet

Motion Detection

Email Alert

Night Vision

TRENDnet

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

Minimum Illumination
- IR off: 0.01 lux
- IR on: 0 lux
- 30 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))
- Grounding point
- Integrated articulated mounting base
- Reset button

Housing
- Weather rating: IP66

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
- 60 x 60 x 152 mm (2.4 x 2.4 x 6.2 in.)

Weight
- 375 g (13.2 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, 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

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

Warranty
- 3 year limited

Package Contents
- TV-IP320PI
- 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