TRENDNET®

Indoor / Outdoor 3MP Full HD PoE Day / Night Network Camera
TV-IP310PI (v1.0R)

• 3 Megapixel 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 Indoor / Outdoor 3MP Full HD PoE Day / Night Network Camera, model TV-IP310PI, provides powerful 3 megapixel night vision in complete darkness for up to 30 meters (100 ft.). This ultra-compact vandal resistant 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®

Hardware

PoE
Save installation costs with Power over Ethernet (PoE)

Power Port
Optional power port for non-PoE installation

Outdoor Ready
Outdoor IP66 weather rated

Sun Visor
Sun visor increases image quality throughout the day

Compact
Ultra-compact housing

Smart IR
Dynamic IR adjustment optimizes night visibility

Digital Zoom
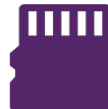Digitally zoom anywhere within the viewing field

IPv6
IPv6 support

Advanced Playback
Advanced in-camera archived video review functionality

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

Storage
Samba video support with notification if storage drive is full

Performance

3 Megapixel
Record 2048 x 1536 pixel video at 15 fps in H.264 compression

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

Free Apps
See live video on a mobile device with free Apple® and Android™ apps

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

Networking Solution

Free App

Night Vision

Motion Detection

E-mail Alert

Night Vision

Specifications

Lens

- Focal length: 4 mm, F1.2
- Focal depth: 20 cm +
- Board lens
- Sensor: 1/3" CMOS
- Zoom: user-defined digital zoom window

Viewing Angle

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

Minimum Illumination

- IR off: 0.07 lux
- IR on: 0 lux
- 30 meter IR illumination distance
- Smart IR

Video Resolution

- H.264: 2048 x 1536 up to 15 fps (1920 x 1080 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 not PoE installations)
- Grounding point
- Integrated articulated mounting base
- Reset button

Network Protocol

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

Operating Temperature

- -25 - 60°C (-13 - 140°F)

Operating Humidity

- Max. 90% non-condensing

Certifications

- CE
- FCC

- UL 60950

Compliance

- REACH
- RoHS
- WEEE

Dimensions

- 60 x 77 x 138 mm (2.4 x 3.0 x 5.4 in.)
- Weather rating: IP66

Weight

- 375 g (13.2 oz.)

Power

- Input: PoE (802.3af)
- Consumption: 5 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, 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
- D-WDR enhances video quality in high contrast daytime lighting
- Digital Noise Reduction enhances night vision quality
- Recording: to computer, NAS, CIFS/SAMBA 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
- Tamper proof function: 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, tamper-proof with schedule
- Supported dynamic DNS services: Dyn.com, NO-IP.com,

HiDDNS, and IPServer
- 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 Apple® and Android™ app
- View your camera on your mobile device
- Take snapshots
- Zoom

Warranty

- 3 year limited

Package Contents

- TV-IP310PI
- CD-ROM (Utility Software & User's Guide)
- Multi-Language Quick Installation Guide
- Camera mounting hardware
- (Optional power supply sold separately)

Updated: 3/31/17