



## 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 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.

## 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, Firefox® 13.0 or higher, Safari® 4.0 or higher, Chrome™ 24.0 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)

