TRENDnet®

Indoor 2 MP 1080p WDR Mini Pan / Tilt PoE IR Network Camera

TV-IP410PI (v1.0R)

- 2 MP 1080p HD resolution
- Night vision up to 10 m (32.8 ft.)
- Increase bandwidth efficiency with H.264+ video compression
- Save installation costs with Power over Ethernet (PoE)
- Digital Wide Dynamic Range image balancing
- Program motion detection recording and email alerts
- MicroSD card slot (up to 128 GB)
- ONVIF and IPv6 support
- Free iOS® and Android™ mobile apps

TRENDnet's Indoor 2 MP 1080p WDR Mini Pan / Tilt PoE IR Network Camera, model TV-IP410PI, provides day and night surveillance with a night vision range of up to 10 meters (32.8 ft.) This mini pan / tilt network camera features adjustable wide dynamic range (WDR) image balancing that enhances image quality and clarity when exposed to high contrast lighting environments. Record 1080p video (1920 x 1080) at 30 fps in a space saving H.264+ compression format. Manage up to 32 TRENDnet cameras with included complimentary software and mobile apps.
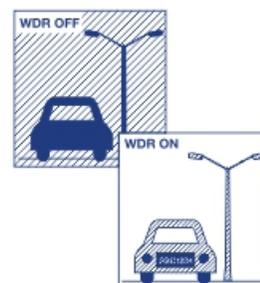
Pan / Tilt

Motorized 180° pan and 75° tilt offers greater visibility over the environment and can be remotely controlled over the internet.

Power over Ethernet (PoE)

PoE offers cost savings, and the flexibility to install this mini pan / tilt camera in the desired location.

Wide Dynamic Range (WDR)

Adjustable wide dynamic range (WDR) image balancing that enhances image quality and clarity when exposed to high contrast lighting environments.

Networking Solution

① Optional power jack

② 10/100 Mbps PoE port

③ Motorized Pan / Tilt

④ Smart IR

⑤ Micro SD card slot

2 Megapixel
Record 1080p (1920 x 1080) HD video at 30 fps in space saving H.264+ compression format

Night Vision
Night vision up to 10 meters (32.8 ft.)

Smart IR
Dynamic IR LED adjustment optimizes night visibility by varying intensity based on object distance

PoE
Save installation costs with Power over Ethernet (PoE)

Storage
Record video to a network storage device or to a micro SD card (up to 128 GB, not included).

Advanced Playback
Advanced in-camera archived video review functionality

Motion Detection
Create custom motion detection zones to record video and send email notifications when a zone is triggered.

Tamper Detection
Create custom tamper detection zones to send an email notification when the camera view has been obstructed.

Digital Wide Dynamic Range (D-WDR)
Adjustable D-WDR setting improves image quality and clarity when a camera is exposed to high contrast lighting environments by enhancing the dark areas of the image to make them more visible.

Recording Flexibility
Define custom schedules using continuous (24/7) and / or event based recording modes.

IPv6
IPv6 support

ONVIF / PSIA
ONVIF Profile S, Profile G and PSIA compliant

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

Complimentary Apps
Live video to a mobile device with free iOS® and Android™ apps

Specifications

Camera
- Focal Length: 2.8 @ F2.0
- Sensor: 1/2.8" CMOS sensor
- DNR: 3D DNR
- WDR: 120 dB
- Mount: M12

Viewing Angle
- 109.4°

Pan/Tilt Rotation
- Pan: -90 ~ 90°
- Tilt: 0 ~ 75°

Minimum Illumination
- IR off: 0.01 lux
- IR on: 0 lux
- 10m distance
- IR wavelength : 850nm

Resolution
- H.264/H.264+: 1920 x 1080 up to 25 fps
- H.264/MJPEG: 640 x 360 up to 30 fps

Hardware Standard
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3af

Device Interface
- 10/100 Mbps PoE port
- Micro SD card slot
- IR LEDs
- Power jack

Micro-SD slot
- Supports Micro SD/SDHC/SDXC
- Up to 128GB

Network Protocol
- IPv4, IPv6, UDP, TCP / IP, ONVIF, SPIA
- DHCP, NTP, DDNS, SMTP, FTP, LLTD
- SNMP v1-v3, QoS / DSCP, IEEE 802.1X
- NFS, SMB/CIFS, Bonjour
- HTTP, HTTPS
- PPPoE
- UPnP, RTSP, RTP
- ONVIF Profile S, Profile G, PSIA

Dimension
- 120 x 87 mm (4.7 x 3.4 in.)

Weight
- 500 g (1 lb.)

Operating Temperature
- -10 – 40 °C (-14 – 104 °F)

Humidity
- Max. 95% non-condensing

Power
- Input: PoE
- Consumption: 5W avg. (7W IR on, 9W P/T on)

Power (Power adapter not included)
- Input: 100 - 240 V AC , 50/60 Hz, 1 A
- Output: 12 V DC, 1 A external power adapter (for non-PoE installations)

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, hue, sharpness, Denoise 3D, Shutter time, sense-up, Saturation, AGC (automatic gain control), flip, day/night mode, white balance
- WDR enhances video quality in high contrast daytime lighting
- 2D Digital Noise Reduction enhances night vision quality
- Recording: to computer, NAS, SAMBA, or through software
- Video Recording: scheduled, motion detection, sound detection, and tamper detection
- Motion detection: define up to three motion detection areas and motion sensitivity
- Privacy masks: define custom privacy mask up to 3 areas
- Tamper detection function: email notification, FTP, SD card, or Samba server if the viewing field darkens suddenly
- Network disconnection fallback: set to automatically save video to Micro SD card (sold separately) if connection to network is broken
- Snapshot: real time snapshot, sound detection, and motion detection
- Supported dynamic DNS services: dyn.com, no-ip.com, and iptecno.com
- Management setting: maximum 21 user accounts
- Supports remote management
- Compatible browsers: Chrome™ or Firefox® (live view resolution up to 640 x 360), Internet Explorer® or Safari® (live view resolution up to 1920 x 1080)

TRENDnetVIEW EVO 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, Windows Server® 2012, 2008

TRENDnet IPVIEW App
- Free iOS® and Android™ apps
- View live camera video on a mobile device
- Take snapshots
- Zoom

Certifications
- CE
- FCC

Warranty
- 3 year

Package Contents
- TV-IP410PI
- Quick Installation Guide
- CD-ROM (Utility, Software, & User's Guide)
- Camera mounting hardware