



## Indoor/Outdoor 2MP 1080p PoE+ IR PTZ Speed Dome Network Camera

TV-IP440PI (v1.0R)

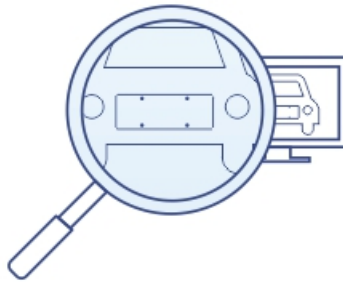
- 2MP 1080p HD resolution
- Endless 360° pan / 90° tilt with auto-flip
- 20x optical zoom and 16x digital zoom
- Intelligent 3D Zoom
- Auto-Focus and Auto-Iris Lens
- Night vision up to 100 meters (328 ft.)
- Outdoor IP66 weather rating
- Save installation costs with Power over Ethernet (PoE)
- Digital Wide Dynamic Range image balancing
- Program motion detection recording and email alerts
- MicroSD card slot (up to 128GB)
- Free iOS<sup>®</sup> and Android<sup>™</sup> mobile apps

TRENDnet's Indoor/Outdoor 2MP 1080p PoE+ IR PTZ Speed Dome Network Camera, model TV-IP440PI, provides day and night surveillance with a night vision range of up to 100 meters (328 ft.) This speed dome network camera delivers year-round surveillance with an IP66 weather rated housing to withstand harsh environments. A built-in 20x optical zoom lens allows you to adjust the field of view to meet your installation needs. Record 1080p video (1920 x 1080) at 30 fps in a space saving H.264 compression format. Manage TRENDnet cameras with included complimentary software and mobile apps.



### PoE+

PoE offers cost savings and the flexibility to install this outdoor speed dome camera up to 100m (328 ft.) from the PoE+ source equipment.



### Optical Zoom Lens

A built-in 20x optical zoom lens allows you to manually adjust the field of view from 58.3° – 3.2° to achieve the perfect viewing field for your installation.



### Outdoor Ready

Built for outdoor environments with an IP66 weather rating and an operating temperature range of -30° – 65°C (-22° – 149°F).



### Optical Zoom Lens

A built-in 20x optical zoom lens allows you to manually adjust the field of view from 58.3° – 3.2° to achieve the perfect viewing field for your installation



### 2 Megapixel

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



### Smart IR Night Vision

Smart IR dynamically adjusts the IR LEDs by lowering the IR intensity when objects are near, and increasing IR intensity when objects are farther away. Night vision up to 100 meters (328 ft.)



### Continuous PTZ

Endless 360° variable speed pan and 90° tilt with auto-flip



### PoE+

Save installation costs with Power over Ethernet (PoE)



### IP66 Rating

Outdoor IP66 weather rated housing



### Additional Mounting Bracket Required

Separate mounting bracket required—install with TRENDnet's TV-HC400, TV-HW400, TV-HP400, or TV-HN400



### Storage

Record video to a network storage device or to a Micro SD card (up to 128GB sold separately)



### 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 focusing 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



### Audio Support

Audio input/output for third party microphone and speaker (sold separately)



### IPv6

IPv6 support



### ONVIF

ONVIF Profile S



### Complimentary Software

Complimentary pro-grade software to manage TRENDnet cameras

## Specifications

### Lens

- Focal length: 4.7 - 94 mm
- Focal depth: 10 – 1,000 mm (Wide-Tele)
- Aperture: F1.6 – 3.5 (Wide - Tele)
- Sensor: 1/2.8" Progressive Scan CMOS
- Focus: auto, semi-auto, and manual

### Viewing Angle

- Horizontal: 58.3 – 3.2° (Wide – Tele)

### Zoom

- Optical: 20x
- Digital: 16x
- Speed: 3s

### Pan/Tilt

- Pan: endless 360°
- Tilt: -15 - 90° (auto flip)
- Pan speed: (manual) 0.1 - 80°/s, (preset) 80°/s
- Tilt speed: (manual) 0.1 - 80°/s, (preset) 80°/s
- Number of presets: 300
- Patrol: 8 patrols, up to 32 presets per patrol

### Minimum Illumination

- IR off: color: 0.05 lux, B/W: 0.01 lux
- IR on: 0 lux
- 100 m IR illumination distance
- Smart IR: automatically adjusts wide angle and narrow focus IR to match zoom ratio

### Video

- Digital Wide Dynamic Range (DWDR)
- Backlight Compensation (BLC)
- 3D Digital Noise Reduction (DNR)
- Shutter speed: 1 - 1/10,000s
- H.264 resolution: 1920 x 1080 up to 25 fps
- MJPEG resolution: 1920 x 1080 up to 25 fps

### Audio

- 2-way audio supported (mic and speaker not included)
- External microphone line in / speaker line out

### Micro SD

- Up to 128 GB micro SD card support

### Hardware Standards

- IEEE 802.1X
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3at

### Device Interface

- 10/100 Mbps PoE+ port
- Power connector (for non-PoE installation)
- Audio I/O port (in/out/ground)
- Micro SD card slot (128GB max.)

### Input / Output

- Audio input: 1 audio line in, 2 – 2.4 V; impedance: 1000  $\Omega$ ,  $\pm$  10%
- Audio output: 1 output line out, impedance: 600  $\Omega$

### Housing

- Weather rating: IP66
- TVS 4,000 V lightning, surge, and voltage transient protection
- Built-in automatic heater for cold weather conditions

### Network Protocol

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

### Power

- Input: PoE+ (IEEE 802.3at)
- Consumption: Max. 20W

### Operating Temperature

- -30 - 65 °C (-22 - 149 °F)

### Operating Humidity

- Max. 90% non-condensing

### Certifications

- CE
- FCC

### Dimensions

- 295 x 165 x 165 mm (11.6 x 6.5 x 6.5 in.)

### Weight

- 2 kg (4.4 lbs.)

### Required Mounting Accessories (not included)

- Ceiling mount: TV-HC400
- Pole mount: TV-HP400
- Wall mount: TV-HW400
- Corner mount: TV-HN400

### Management Interface

- Multi-language support: English, French, German, Spanish and Portuguese
- Time, date, and text overlay
- Image settings: brightness, contrast, saturation, limit gain, sharpness, focus mode, minimum focus, exposure mode, smart IR, video standard, day/night switch, sensitivity, mirror, slow shutter, D-WDR, lens initialization, BLC, white balance, digital noise reduction, noise reduction level, Defog mode, zoom limit, HLC
- DWDR enhances video quality in high contrast daytime lighting

- 3D DNR Digital Noise Reduction enhances night vision quality
- Scheduled recording: continuous and motion detection
- Video storage: to computer, NAS, CIFS/SMB share, NFS, Micro SD card, FTP server, or through software
- Motion detection fields: define custom motion detection areas, motion sensitivity, and dynamic motion analysis
- Smart privacy masks: custom privacy masks are fixed to an area of interest as the camera pans and tilts
- Tamper detection: email notification if the viewing field is suddenly obscured
- 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, tamper detection with schedule
- Supported dynamic DNS services: dyn.com and No-IP.org
- Management Setting: maximum 32 user accounts
- Supports remote management
- Storage logs: Alarm, Exception, Operation, and others
- Compatibility: Internet Explorer® 9.0 or higher, Safari® 5.0 or higher

### TRENDnetVIEW Pro Software

- Supports up to 16 TRENDnet cameras
- Multiple language support
- Set recording options (motion detection, schedule, event trigger)
- Search and playback
- Custom viewing modes and options
- Compatibility: Windows® 8.1, 8, 7, Vista, XP, Windows Server® 2003, 2008, 2012

### TRENDnetVIEW App

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

### Warranty

- 3 year

### Package Contents

- TV-IP440PI
- CD-ROM (Software & User's Guide)
- Quick Installation Guide