



Outdoor 1.3 MP HD PoE IR Speed Dome Network Camera TV-IP450PI (v1.0R)

- 1280 x 960 HD resolution
- 20x optical zoom, 16x digital zoom, and autofocus
- Night vision up to 100 meters (330 ft.)
- Outdoor IP66 weather rating
- Endless 360° PTZ
- Digital WDR optimizes high contrast lighting environments
- Free pro-grade management software and mobile app
- Separate mounting bracket required—TV-HC400, TV-HW400, TV-HP400, or TV-HN400

TRENDnet's Outdoor 1.3 MP HD PoE IR Speed Dome Network Camera, model TV-IP450PI, offers powerful 20x optical zoom, 100 m (330 feet) night vision, an IP66 weather rating, and continuous 360 degree PTZ functionality. Record 1.3 Megapixel HD video (1280 x 960) at 30 fps in a space saving H.264 compression format. Manage up to 32 TRENDnet cameras with included complimentary software and mobile apps. A separate mounting bracket is required—install with TRENDnet's TV-HC400, TV-HW400, TV-HP400, or TV-HN400.



Powerful Zoom

20x optical zoom and 16x digital zoom combine for a total 320x zoom factor with autofocus



Smart IR

Night vision up to 100 meters (330 ft.) automatically adjusts to the zoom factor



Continuous PTZ

Endless 360° variable speed pan tilt zoom and user defined 3D zoom within the graphical user interface



Outdoor Rated

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



Additional Mounting Bracket Required

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



1.3 Megapixel HD

Record 1280 x 960 at 30 fps in the space saving H.264 compression format



Auto Patrol

Choose pre-defined or program up to eight auto patrol sequences with varying zoom levels



Storage

Record video to a Samba client or to a Micro SD card (up to 64 GB sold separately)



Tamper Detection

Receive tamper detection snapshots via email



D-WDR

Improved image quality and autofocus in high contrast lighting environments with Digital Wide Dynamic Range technology



Motion Detection

Create motion detection windows with separate sensitivity settings and event triggers



Recording Schedule

Define a weekly recording schedule



IPv6

IPv6 support



ONVIF

ONVIF compliant



Complimentary Software

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



Complimentary Apps

Live video to a mobile device with free Apple® and Android™ apps

Networking Solution



20x optical zoom, 16x digital zoom, and autofocus

Brackets sold separately



TV-HW400
Wall



TV-HN400
Corner



TV-HP400
Pole



TV-HC400
Ceiling



- 1 Proprietary PoE ethernet port
- 2 Optional power & audio
- 3 Mounting bracket collar
- 4 IP66 Weather Rated

Specifications

Lens

- Focal length: 4.7 - 94 mm
- Focal depth: 10 - 1000 mm (Wide-Tele)
- Aperture: F1.4 - 3.5 (Wide-Tele)
- Sensor: 1/3" Progressive Scan CMOS
- Focus: auto/semi-auto/manual
- Iris control: auto and manual

Viewing Angle

- Horizontal: 54°

Zoom

- Combined zoom factor: 320x
- Optical: 20x
- Digital: 16x
- Speed: 3s

Pan/Tilt

- Pan: endless 360°
- Tilt: -5 - 90° (auto flip)
- Pan speed: (manual) 0.1 - 160°/s, (preset) 240°/s
- Tilt speed: (manual) 0.1 - 120°/s, (preset) 200°/s
- Number of presets: 256
- Patrol: 8 patrols, up to 32 presets per patrol
- Scheduled PTZ: create detailed weekly schedule with the following activity options: auto scan, frame scan, random scan, patrol, pattern, preset, panorama scan, tilt scan, dome reboot, and dome adjust

Minimum Illumination

- 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

- D-WDR: 128x
- Shutter speed: 1 - 1/10,000s
- H.264 resolution: 1280 x 960 up to 30 fps
- MJPEG resolution: 704 x 480 up to 30 fps

Audio

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

Hardware Standards

- IEEE 802.1x
- IEEE 802.3
- IEEE 802.3u

Device Interface

- 10/100 Mbps proprietary PoE port
- Power connector (for non-PoE installation)
- Audio wires (in/out/ground)
- Micro SD card slot
- Suspension cable secures camera during installation

Housing

- Weather rating: IP66

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

Operating Temperature

- -30 - 65 °C (-22 - 149 °F)

Operating Humidity

- Max. 90% non-condensing

Certifications

- CE
- FCC

Dimensions

- 220 x 354 mm (8.7 x 14 in.)

Weight

- 4.4 kg (9.7 lbs.)

Power

- Input: 100~240V AC, 50/60 Hz, 2A
- Output: 56V DC, 60W (Proprietary PoE)
- Consumption: 35 Watts/21 Watts max. (IR and heater on/off)

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, Russian, and Spanish
- IP address filter
- QoS traffic prioritization
- Time, date, and text overlay
- Image settings: brightness, contrast, saturation, limit gain, sharpness, focus mode, minimum focus, exposure mode, video standard, day/night switch, sensitivity, mirror, slow shutter, D-WDR, lens initialization, BLC, white balance, digital noise reduction, noise reduction level, zoom limit, HLC
- D-WDR 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, 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® 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
- Pan/Tilt/Zoom

Warranty

- 3 year limited

Package Contents

- TV-IP450PI
- CD-ROM (Software & User's Guide)
- Multi-Language Quick Installation Guide

