



## Outdoor 1.3 MP HD PoE+ Speed Dome Network Camera TV-IP450P (v1.1R)

- 1280 x 960 HD resolution
- 20x optical zoom, 16x digital zoom, and autofocus
- Powerful low light sensor
- 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+ Speed Dome Network Camera, model TV-IP450P, offers powerful 20x optical zoom, low light sensor, 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



### Low Light Vision

Provides visibility in extremely low light conditions (0.05 Lux rated)



### 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)



### PoE+

Includes a PoE+ injector (30 Watts)



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

Endless Pan/Tilt

## 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 - 250°/s, (preset) 300°/s
- Tilt speed: (manual) 0.1 - 150°/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

### 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)

### Alarm

- External alarm line in / line out (alarm not included)

### 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 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 305 mm (8.7 x 12 in.)

### Weight

- 2.4 kg (7 lbs.)

### Power

- Input: PoE+
- Consumption: 22 Watts/14 Watts max. (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,  
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
- Pan/Tilt/Zoom

#### **Warranty**

- 3 year limited

#### **Package Contents**

- TV-IP450P
- CD-ROM (Software & User's Guide)
- Multi-Language Quick Installation Guide
- Installation gloves & waterproof tape
- PoE+ injector

