Outdoor 1.3 MP PoE Speed Dome

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.

TV-IP450P (v1.0R)

Lens
- Focal length: 4.7 ~ 94mm
- Focal depth: 10mm (Wide) ~ 1000mm (Tele)
- Aperture: F1.4 (Wide) ~ F3.5 (Tele)
- Sensor: 1/3" Progressive Scan CMOS
- Focus: auto / semiautomatic / manual

Viewing Angle
- Horizontal: 54°
- Vertical: 32°
- Diagonal: 60°

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

Pan/Tilt
- Pan: 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

Minimum Illumination
- Color: 0.05 lux
- B/W: 0.01 lux

Video
- WDR: 128x Digital WDR

- Shutter speed: 1~ 1/10,000s
- H.264 resolution: 1280 x 960 up to 30fps
- MPEG4 resolution: 1280 x 720 up to 30 fps

Audio
- 2-way audio
- External microphone / speaker

Hardware Standards
- IEEE 802.1x
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3at

Device Interface
- 10/100 Mbps PoE+ port
- Power connector (for not PoE installation)
- Audio wires (in/out/ground)

Network Protocol
- IPv4, IPv6, UDP, TCP, IGMP, ICMP, ONVIF v2.2
- DHCP, NTP, DNS, DDNS, SMTP, FTP, SNMP (v1, v2c, v3)
- CIFS, SAMBA
- 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.)
- Weather rating: IP66

Weight
- 5 kg (11 lb.)

Power
- Input: PoE+
- Consumption: 22 Watts/14 Watts max. (heater on/off)

Mounting Accessories (not included)
- Ceiling mount: TV-HC400
- Pole mount: TV-HP400
- Wall mount: TV-HW400

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 - 100,00s), scan rate, mirror, auto flip, D-WDR, back light compensation, white balance, digital noise reduction
- D-WDR enhances video quality in high contrasts daytime lighting
- 3D DNR 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, 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® 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-IP450P
- CD-ROM (Software & User's Guide)
- Multi-Language Quick Installation Guide
- Installation gloves & waterproof tape
- PoE+ injector
- Power cord