



Outdoor PoE Megapixel HD Day/Night Internet Camera

TV-IP322P (v1.0R)

The Outdoor PoE Megapixel HD Day/Night Internet Camera, model TV-IP322P, provides powerful Megapixel night vision in complete darkness for up to 20 meters (66 feet). This camera is outdoor installation ready with an IP66 rated weather proof and vandal proof outdoor enclosure. No need to install this camera near a power source, power and data are received through a single Ethernet cable using Power over Ethernet (PoE) technology.

Record 1280 x 1024 pixel (SXGA) H.264 video at up to 15 frames per second (fps) or 640 x 480 pixel (VGA) resolution at up to 30 fps. Manage up to 32 TRENDnet cameras with the included complimentary camera management software. Advanced features include motion detection recording, email alerts, scheduled recording sessions, H.264 / MPEG-4 image compression, 3GPP support, Samba client support, Input / Output ports to network to alarm systems, date-and-time and other text overlays, mask overlays to conceal sensitive areas, and digital zoom. A wall / ceiling mounting kit is included and a sun visor shields the camera from direct sunlight.

PRODUCT OVERVIEW

- Narrow field of vision for long distance monitoring
- Night vision up to 20 meters (66 ft.)
- Outdoor installation ready with an IP66 weather proof rating
- H.264 Megapixel resolution at up to 1280 x 1024
- Save installation cost with Power over Ethernet (PoE)
- Program motion detection recording and email alerts with complimentary software



FEATURES

- Ready for outdoor installation with an IP66 rated weather proof and vandal proof outdoor housing
- IEEE 802.3af PoE compliant device
- 1 x 10/100 Mbps PoE Auto-MDIX RJ-45 port
- Optional power port for non-PoE installations
- SD / SDHC card slot *
- Input / Output ports (GPIO) to network to alarm systems
- High quality H.264, MPEG-4, and MJPEG video recording
- Resolution up to 1280 x 1024 pixels at up to 15 frames per second (fps) and 640 x 480 pixels at up to 30 fps
- Stream Internet camera video to a 3GPP compatible wireless device
- Powerful infrared bulbs enable recording in complete darkness for distances up to 20 meters (66 feet)
- Two way audio is enabled by installing optional third party microphone and speakers
- Dynamic DNS support
- Images controls: brightness, contrast, saturation and mirror (horizontally / vertical)
- Time, date, and other text overlays
- Mask overlays conceal sensitive areas
- Supports TCP/IP networking, SMTP Email, HTTP, and other Internet protocols
- DHCP IPv6 auto-configuration
- Record streaming video to your computer or Network Storage device with Samba support
- Three motion detection windows with just-in-time snapshot, motion detection triggered email alerts, and image upload to FTP
- Send instant messages to Jabber client via Jabber Server
- Supports Quality of Service (QoS) with Differentiated Services Code Point (DSCP)
- Quick Universal Plug and Play (UPnP) installation
- Complimentary SecurView Pro software: manage up to 32 cameras**
- 3-year limited warranty

* SD card sold separately

** Monitoring multiple cameras may require a high performance CPU



SPECIFICATIONS

CAMERA	
General	<ul style="list-style-type: none">• Sensor: 1 / 3" Megapixels color CMOS sensor• Resolution: 1280 x 1024 pixels• Board Lens• Focal Length: 12 mm• Aperture (F / No): F1.8• Minimum illumination: 0 Lux (Night vision)• Viewing Angle:<ul style="list-style-type: none">• Diagonal: 28.5 degrees• Horizontal: 22.7 degrees• Vertical: 17.2 degrees
Image & Video	<ul style="list-style-type: none">• Compression: H.264, MPEG-4, and MJPEG• Exposure / white balance / gain control: automatic• Built-in ICR
Audio	<ul style="list-style-type: none">• External microphone in• Sensitivity: -48 dB + / - 3 dB• Frequency: 50~16000 Hz• S/N: >60 dB• Format: PCM / AMR
Pan / Tilt / Zoom	<ul style="list-style-type: none">• Protocol: Pelco D, Pelco P• 32 presets• Auto Patrol
GPIO	<ul style="list-style-type: none">• Ground, GPIO in / out, RS485, 12V DC, 24V AC
SD Slot	<ul style="list-style-type: none">• Supports SD / SDHC (up to 32 GB)
HARDWARE	
Network	<ul style="list-style-type: none">• IEEE 802.3u 10/100 Mbps Fast Ethernet• IEEE 802.3af PoE
LED	<ul style="list-style-type: none">• Power, Link
IR Wavelength	<ul style="list-style-type: none">• 850 nm
Reset Button	<ul style="list-style-type: none">• Reboot or restore to factory default
Power Over Ethernet	<ul style="list-style-type: none">• PoE Power on RJ-45 pin 3,6 for Power+ and pin 1,2 for Power-
Power Consumption	<ul style="list-style-type: none">• 9.5 Watts Max
Power	<ul style="list-style-type: none">• Input: 100 ~ 240 V AC, 0.5 A, 50~60 Hz• Output: 12 V DC 1.5 A external power adapter (for non-PoE installations)
Dimension	<ul style="list-style-type: none">• 235 x 110 x 89 mm (9.3 x 4.3 x 3.5 in.)
Weight	<ul style="list-style-type: none">• 1.5 kg (3.2 lbs)
Operating Condition	<ul style="list-style-type: none">• Temperature: -20°C ~ 60°C (-4°F ~ 140°F)• Wind Velocity: 130 km/hr• Humidity: Max 90% (non-condensing)
Certifications	<ul style="list-style-type: none">• CE, FCC, IP66



SPECIFICATIONS

REQUIREMENT	
Management Interface	<ul style="list-style-type: none">• Internet Explorer 7.0 or above
To Run SecurView Pro	<ul style="list-style-type: none">• Windows 7 (32 / 64-bit), Vista (32 / 64-bit), XP (32 / 64-bit), Windows Server 2003, 2008
SecurView Pro	<ul style="list-style-type: none">• Channel: supports up to 32 cameras• Record / Playback / Motion Detection
Network Protocols	<ul style="list-style-type: none">• TCP/IP, IPv4, IPv6, UDP, ICMP, DHCP, NTP, DNS, DDNS, SMTP, FTP, HTTP, HTTPS, Samba, PPPoE, UPnP, Bonjour, RTP, RTSP, and RTCP
MANAGEMENT	
Remote	<ul style="list-style-type: none">• Remote management supported
Backup / Restore	<ul style="list-style-type: none">• Save / retrieve configuration files
SETTINGS	
Image	<ul style="list-style-type: none">• Brightness, saturation, sharpness, and mirror (horizontal / vertical)
Video	<ul style="list-style-type: none">• Encoding type: H.264, MPEG-4, MJPEG• Compression: 5 levels• Resolution / Frame Rate:<ul style="list-style-type: none">• SXGA (1280 x 1024) up to 15 fps• VGA (640 x 480) up to 30 fps• QVGA (320 x 240) up to 30 fps• QQVGA (160 x 120) up to 30 fps• Multi-Stream<ul style="list-style-type: none">• H.264: SXGA, VGA, QVGA, QQVGA• MPEG4: VGA, QVGA, QQVGA• MJPEG: SXGA, VGA, QVGA, QQVGA
Recording	<ul style="list-style-type: none">• Recording type: continuous, schedule, or motion detection with software
Event Management	<ul style="list-style-type: none">• Event trigger: motion, GPIO, schedule• Store video file to SD card• Send Instant message to Jabber client via Jabber server
QoS	<ul style="list-style-type: none">• DSCP
Port Settings	<ul style="list-style-type: none">• HTTP port: 80 (default)
Digital Zoom	<ul style="list-style-type: none">• 3x
Dynamic DNS	<ul style="list-style-type: none">• Yes
Time	<ul style="list-style-type: none">• Synchronize with NTP server or set time / date manually
SMTP	<ul style="list-style-type: none">• SMTP mail supported up to 2 destination accounts
System Log	<ul style="list-style-type: none">• 100 entries (Max)

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INTERNET
CAMERA

NETWORKING SOLUTIONS



PACKAGE CONTENTS

TV-IP322P

Multi-language Quick Installation Guide

CD-ROM (Utility, Software & User's Guide)

Power adapter (12 V DC, 1.5 A)

Network Cable (1.5 m / 5 ft.)

GPIO Adapter

Spiral Cable Wrap

Camera Bracket

RELATED PRODUCTS

TV-IP252P	PoE Dome Internet Camera
TV-IP312WN	SecurView Wireless N Day / Night Internet Camera
TV-IP410WN	SecurView Wireless N Pan / Tilt / Zoom Internet Camera
TPE-80WS	8-Port Gigabit Web Smart PoE Switch

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