

## ProView PoE Internet Camera TV-IP512P (v1.0R)



The ProView PoE Internet Camera transmits real-time high quality video over the Internet. View and manage the IP camera from any Internet connection. 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.

Manage up to 32 TRENDnet cameras with the included complimentary camera management software. Advanced features include motion detection recording, email alerts, scheduled recording sessions, MPEG4/MJPEG image compression, 2-way audio, input/output ports, a removable lens, digital zoom and a built-in SD card slot to store images directly to a memory card. A wall/ceiling mounting kit is included and the off-white IP camera housing blends into most environments.

### Features

- Works with IEEE 802.3af PoE compliant devices
- 16x digital zoom
- 1x 10/100Mbps Fast Ethernet PoE port
- Input/Output ports to network alarm systems and other devices
- High quality MPEG-4 and MJPEG video recording with up to 30 frames per second
- Resolution up to VGA: 640 x 480 pixels
- 1x removable 6mm, F1.8, CS Mount Lens
- Included wall and ceiling mounting hardware
- Manage up to 20 user profiles
- Hear and talk to people in your camera's viewing field through your computer
- Supports TCP/IP networking, SMTP Email\*, HTTP, Samba and other Internet protocols
- Built-in SD card slot allows you to store still images or video directly onto a SD memory card\*\*
- Record streaming video to your computer, SD card or network storage devices
- Motion detection triggered email alerts and image upload via FTP
- Multiple adjustable motion detection windows with just-in-time snapshot
- Quick Universal Plug and Play (UPnP) installation
- Complimentary IPView Pro 2.0 software: manage up of up to 32 cameras \*\*\*
- 3-year limited warranty

\* Does not support SSL

\*\* SD memory card sold separately

\*\*\* Monitoring multiple cameras may require a high performance CPU

# ProView PoE Internet Camera

TV-IP512P (v1.0R)

## SPECIFICATIONS

Camera	
<b>General</b>	<ul style="list-style-type: none"><li>• Sensor: 1/4" color CMOS SOC image sensor</li><li>• Resolution: 640 x 480 pixels</li><li>• Lens: 1/3" CS-Mount, replaceable</li><li>• Focal Length: 6mm</li><li>• F/No: F1.8</li><li>• Minimum illumination: 0.5 Lux @ F1.8</li><li>• Focus depth: 70cm ~ infinity</li><li>• View angle: horizontal: 45 degree, vertical: 34 degree</li></ul>
<b>Audio</b>	<ul style="list-style-type: none"><li>• Built-in omni-directional microphone/speaker</li><li>• Sensitivity: -48dB +/- 3dB (5 meters max)</li><li>• Frequency: 50~16000Hz</li><li>• S/N: 50dB</li><li>• External speaker output</li><li>• Two-way audio with echo canceling</li><li>• Codec: ARM/PCM</li></ul>
<b>Image &amp; Video</b>	<ul style="list-style-type: none"><li>• Compression: MPEG-4 / MJPEG</li><li>• Profiles: up to 4 profiles simultaneously</li><li>• Exposure/white balance control: automatic</li><li>• Resolution: VGA (640x480), QVGA (320x240), QQVGA (160x120) up to 30fps</li></ul>
<b>I/O Connector</b>	<ul style="list-style-type: none"><li>• Input: 2 sets (pin 1/2, pin 3/4)</li><li>• Output: 1 set (pin 5/6)</li><li>• RS-485: 1 set (pin 7/8)</li></ul>
<b>SD slot</b>	<ul style="list-style-type: none"><li>• Secure Digital card (up to 16G)</li></ul>
Hardware	
<b>Network</b>	<ul style="list-style-type: none"><li>• IEEE 802.3u 10/100Mbps Fast Ethernet, Auto-MDIX</li><li>• IEEE 802.3af PoE</li></ul>
<b>LED</b>	<ul style="list-style-type: none"><li>• Power, Link</li></ul>
<b>Reset Button</b>	<ul style="list-style-type: none"><li>• Reset settings</li></ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"><li>• 9 Watts</li></ul>
<b>Power</b>	<ul style="list-style-type: none"><li>• 12V, 1.5A external power adapter</li></ul>
<b>Dimension</b>	<ul style="list-style-type: none"><li>• 170 x 80 x 40mm (6.7 x 3.2 x 1.6 in.)</li></ul>
<b>Stand Dimension</b>	<ul style="list-style-type: none"><li>• 128 mm (4.7 in.)</li></ul>
<b>Weight</b>	<ul style="list-style-type: none"><li>• Camera: 260g (9.2 oz.)</li><li>• Stand: 116g (1.1 oz)</li></ul>
<b>Temperature</b>	<ul style="list-style-type: none"><li>• Operating: 0°C ~ 40°C (39°F ~ 104°F)</li><li>• Storage: -15°C ~ 60°C (5°F ~ 140°F)</li></ul>
<b>Certification</b>	<ul style="list-style-type: none"><li>• CE, FCC</li></ul>
Requirement	
<b>To View</b>	<ul style="list-style-type: none"><li>• Internet Explorer 6.0 or above, Safari 2.0 or above, Firefox 2.0 or above, Opera, Netscape, and Google Chrome</li></ul>
<b>To Run Software</b>	<ul style="list-style-type: none"><li>• Windows XP (32/64-bit), Vista (32/64-bit)</li></ul>
<b>IPView Pro 2.0</b>	<ul style="list-style-type: none"><li>• Channel: supports up to 32 cameras</li><li>• Record/Playback/Motion Detection/Audio</li></ul>
<b>Network Protocols</b>	<ul style="list-style-type: none"><li>• IPV4, ARP, TCP, UDP, ICMP</li><li>• DHCP Client, NTP Client, DNS Client, DDNS Client, SMTP Client, FTP Client</li><li>• HTTP Server</li><li>• Samba Client</li><li>• PPPoE</li><li>• UPnP AV</li><li>• RTP (Real Time Protocol)</li><li>• RTCP (Real Time Control Protocol)</li><li>• RTSP (Real Time Streaming Protocol)</li></ul>
Management	
<b>Account</b>	<ul style="list-style-type: none"><li>• Up to 20 user accounts</li></ul>
<b>Remote</b>	<ul style="list-style-type: none"><li>• Remote Management supported</li></ul>
<b>Backup / Restore</b>	<ul style="list-style-type: none"><li>• Save/retrieve configuration files</li></ul>
<b>Log</b>	<ul style="list-style-type: none"><li>• System log up to 500 entries</li></ul>
Settings	
<b>Image</b>	<ul style="list-style-type: none"><li>• Brightness, contrast, noise reduction, saturation, sharpness, white balance, flip, mirror (horizontal/vertical), black/white mode</li></ul>
<b>Video</b>	<ul style="list-style-type: none"><li>Profile 1-2<ul style="list-style-type: none"><li>• Encoding type: MPEG-4 and MJPEG</li><li>• Resolution: 640 x 480, 320 x 240, 160 x 120</li><li>• Frame rate: 1, 2, 3, 5, 10, 15, 30</li><li>• Fixed bit rate: 64k, 128k, 256k, 384k, 512k, 768k, 1M, 1.5M, 2M</li></ul></li><li>Profile 3<ul style="list-style-type: none"><li>• Encoding type: MJPEG</li><li>• Resolution: 640 x 480, 320 x 240, 160 x 120</li><li>• Frame rate: 1, 2, 3, 5, 10, 15, 30</li><li>• Fixed bit rate: 64k, 128k, 256k, 384k, 512k, 768k, 1M, 1.5M, 2M</li></ul></li><li>Profile 4 (for mobile device only)<ul style="list-style-type: none"><li>• Encoding type: MPEG-4</li><li>• Resolution: 640 x 480, 320 x 240, 160 x 120</li><li>• Frame rate: 1, 2, 3, 5, 10, 15, 30</li><li>• Fixed bit rate: 64k, 128k, 256k, 384k, 512k, 768k, 1M, 1.5M, 2M</li></ul></li></ul>

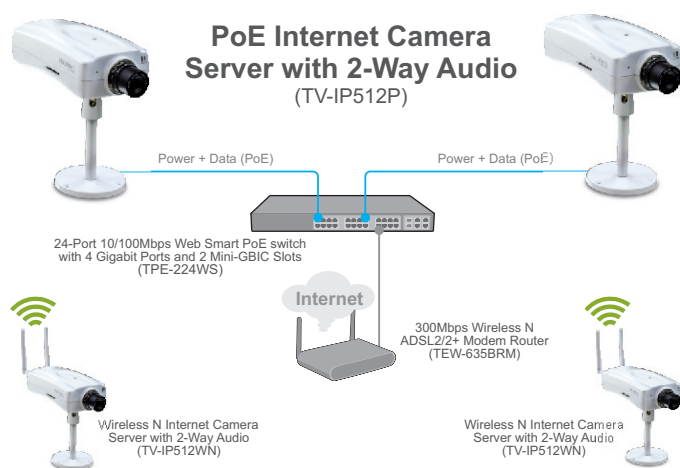
# ProView PoE Internet Camera

## TV-IP512P[v1.0R]

### Setting

<b>Recording</b>	<ul style="list-style-type: none"> <li>Resolutions: 4 profiles</li> <li>Storage size: 32MB (minimum)</li> <li>Recording type: event based (motion detection and digital input trigger), continuous and scheduled</li> </ul>
<b>Snapshot</b>	<ul style="list-style-type: none"> <li>Trigger event: motion detection or digital input signal</li> <li>Action: send alert email and/or upload to FTP</li> </ul>
<b>Port Settings</b>	<ul style="list-style-type: none"> <li>HTTP port: 80 (default)</li> <li>RTSP port: 554 (default)</li> </ul>
<b>Digital Zoom</b>	<ul style="list-style-type: none"> <li>16x</li> </ul>
<b>Dynamic DNS</b>	<ul style="list-style-type: none"> <li>Yes</li> </ul>
<b>Time</b>	<ul style="list-style-type: none"> <li>Synchronize with NTP server or set time/date manually</li> </ul>

## NETWORKING SOLUTIONS



## PACKAGE CONTENTS

- TV-IP512P
- CD-ROM (Utility and User's Guide)
- Multi-Language Quick Installation Guide
- Cat. 5 Ethernet cable (1.5m/ 5ft.)
- Power adapter (12V, 1.5A)
- Camera Stand

## RELATED PRODUCTS

<b>TV-IR500</b>	6mm F/1.8 1/3" CS-Mount IR Lens
<b>TS-S402</b>	2-Bay SATA I/II Network Storage Enclosure
<b>TPE-224WS</b>	Wireless N Internet Camera Server with 2-Way Audio

## ORDERING INFORMATION

### TRENDnet®

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