



## ProView PoE Pan/Tilt/Zoom Internet Camera TV-IP612P (V1.0R)

The ProView PoE Pan/Tilt/Zoom Internet Camera provides video monitoring over a large area. 10x optical zoom combined with 16x digital zoom and auto focus technology capture clear images of distant objects.

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. Pan the camera side-to-side a remarkable 330 degrees and tilt up-and-down 115 degrees from any Internet connection. Manage up to four video profiles to record H.264 quality video while at the same time streaming content to a compatible 3GPP mobile phone.

The TV-IP612P streams H.264 video with a resolution of up to 704 x 576 at 30 frames per second. Manage up to 32 ProView cameras with the included complimentary camera management software. Advanced features include motion detection recording, email alerts, scheduled recording sessions, H.264 and MPEG-4 compression, 2-way audio, pan/tilt auto patrol, input/output ports, optical and digital zoom, and a built-in Micro SD card slot to store video directly to a memory card. A wall/ceiling mounting kit is included and the off-white camera housing blends into most environments. This camera's brilliant image quality, pan and tilt functionality, and recording capabilities make it ideal for home, small office, and

## Features

- IEEE 802.3af PoE compliant device
- 1x 10/100Mbps RJ-45 Power over Ethernet (PoE) port
- Power port for non-PoE installations
- Power and activity LED indicators (can be disabled)
- Micro SD\* card slot
- 2-way audio: built-in microphone, jack for additional 3rd party microphone, and speaker jack for 3rd party speaker (sold separately)
- Input/Output ports to network alarm systems and other devices
- Reset button
- Auto focus zoom board lens
- 10x optical zoom
- 16x digital zoom
- Pan left or right 165° for a total of 330°
- Tilt the camera up 84° and down 31° for a total of 115°
- Stream and record up to 4 different video profiles simultaneously
- Stream Internet camera video to a 3GPP compatible wireless device
- Dynamic DNS support
- High quality H.264, MPEG-4, and MJPEG video recording
- Supports up to 704 x 576 pixel resolution (4CIF) at up to 30 frames per second
- Live View Controls: (full functionality when using Internet Explorer)
  - Program Auto Patrol viewing points, transition speed, and pause duration at each point
  - Auto Pan functionality continuously pans side to side
  - Define up to 20 preset viewing points
  - Auto focus mode
  - When in manual focus mode: manage Focus In and Focus Out controls
  - Manual pan, tilt, and zoom functionality
  - Set pan and tilt speed
  - Full screen video mode
  - Snapshot functionality takes snapshot in real time
  - View each of the pre-defined viewing profiles
  - One click mouse controlled zoom in /zoom out
- Image controls: Brightness, contrast, auto gain control, noise reduction, saturation, sharpness, back light control, hue, frequency, flip image vertically, mirror image horizontally, and Black and White mode
- Automatically adjusts between day and night modes or schedule day and night mode times
- Record video to a Samba network drive or a Micro SD Card
- Define a recording schedule, continuous recording, or event based recording
- Individually manage recording space and recycle options for each video profile
- Event based recording: program the device to record for up to 15 seconds before and after a motion detection or Input port signal event
- Create motion detection fields of any shape over the viewing area
- Supports TCP/IP networking, Email, HTTP, Samba and other Internet protocols
- System controls:
  - Define up to 20 user login accounts
  - Set the date and time or synchronize with an NTP server
- Quick Universal Plug and Play (UPnP) installation
- Complimentary IPView Pro 2.0 software: manage up to 32 cameras \*\*
- IPView Pro 2.0 compatible with Windows operating systems
- 3-year limited warranty

\* Micro SD memory card sold separately

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

# ProView PoE Pan/Tilt/Zoom Internet Camera

## TV-IP612P (V1.0R)

### SPECIFICATIONS

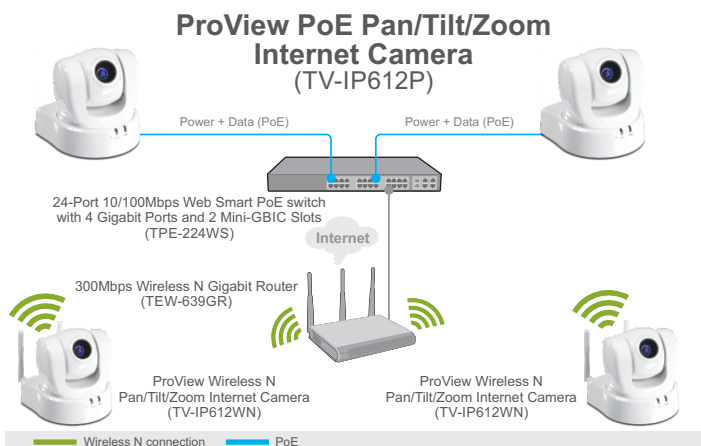
Camera									
<b>General</b>	<ul style="list-style-type: none"> <li>• Sensor: 1/4" CCD Sensor • Focal Length: f(wide) 3.8mm to f(tele) 38.0mm • F/No: F(wide)=1.8 , F(tele) = 2.8</li> <li>• LENS: Auto focus zoom lens with IR cut filter • Zoom Ratio: 10x optical zoom plus 16x digital zoom</li> <li>• Color: full color or black and white mode</li> <li>• Day &amp; Night image modes: Automatic or scheduled transition between modes Minimum illumination: Color: 0.7 lux@F1.8 B/W: 0.02 lux@F1.8</li> <li>• View:               <table border="0"> <tr> <td>Wide Angle:</td> <td>Horizontal: 51.3 degree</td> </tr> <tr> <td></td> <td>Vertical: 39.3 degree</td> </tr> <tr> <td>Max. Zoom Angle:</td> <td>Horizontal: 5.6degree</td> </tr> <tr> <td></td> <td>Vertical: 7.3 degree</td> </tr> </table> </li> </ul>	Wide Angle:	Horizontal: 51.3 degree		Vertical: 39.3 degree	Max. Zoom Angle:	Horizontal: 5.6degree		Vertical: 7.3 degree
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	Vertical: 39.3 degree								
Max. Zoom Angle:	Horizontal: 5.6degree								
	Vertical: 7.3 degree								
<b>Audio</b>	<ul style="list-style-type: none"> <li>• Built-in omni-directional microphone • Sensitivity: -40dB +/- 3dB (5 meters max.) • Frequency: 100~20000Hz • S/N: &gt;60dB</li> <li>• External speaker output (speaker sold separately) • Two-way audio with echo canceling • Codec: ARM/PCM</li> </ul>								
<b>Pan &amp; Tilt</b>	<ul style="list-style-type: none"> <li>• Pan: -165° ~ +165° • Tilt: up 84° and down 31° • Preset positions: 20</li> </ul>								
<b>Image &amp; Video</b>	<ul style="list-style-type: none"> <li>• Compression: simultaneous H.264 / MPEG-4 / MJPEG • Profiles: up to 4 profiles simultaneously • Built-in ICR</li> <li>• IRIS Control /white balance control: automatic • Resolution: up to 704 x 576, 352 x 288, and 176 x 144 @ 30fps</li> </ul>								
<b>GPIO</b>	<ul style="list-style-type: none"> <li>• Input: 1 set • Output: 1 set</li> </ul>								
<b>Micro SD slot</b>	<ul style="list-style-type: none"> <li>• Micro 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 • IEEE 802.3af PoE</li> </ul>								
<b>LED</b>	<ul style="list-style-type: none"> <li>• Power, Link/Act</li> </ul>								
<b>Reset Button</b>	<ul style="list-style-type: none"> <li>• Reset to factory default</li> </ul>								
<b>Power Consumption</b>	<ul style="list-style-type: none"> <li>• 12 Watts (max.)</li> </ul>								
<b>Power</b>	<ul style="list-style-type: none"> <li>• 12V, 2A external power adapter (for non-PoE installations)</li> </ul>								
<b>Dimension</b>	<ul style="list-style-type: none"> <li>• 125 x 130 x 125 mm (4.9 x 5.1 x 4.9 in.)</li> </ul>								
<b>Weight</b>	<ul style="list-style-type: none"> <li>• Camera: 770 g (27.2 oz.)</li> </ul>								
<b>Temperature</b>	<ul style="list-style-type: none"> <li>• Operating: 0C ~ 45C (32F ~ 113F) • Storage: -15C ~ 60C (5F ~ 140F)</li> </ul>								
<b>Humidity</b>	<ul style="list-style-type: none"> <li>• Max. 90% (non-condensing)</li> </ul>								
<b>Certifications</b>	<ul style="list-style-type: none"> <li>• CE, FCC</li> </ul>								
Requirement									
<b>To View Camera</b>	<ul style="list-style-type: none"> <li>• Internet Explorer 7.0 or above, Firefox 3.5 or above, Safari 4.0 or above</li> </ul>								
<b>To Run Software</b>	<ul style="list-style-type: none"> <li>• Windows 10, 8.1, 8, 7 (32/64-bit), Vista (32/64-bit), XP (32/64-bit)</li> </ul>								
<b>IPView Pro 2.0</b>	<ul style="list-style-type: none"> <li>• Channel: supports up to 32 cameras • Record/Playback/Motion Detection/Audio</li> </ul>								
<b>Network Protocols</b>	<ul style="list-style-type: none"> <li>• IPv4, ARP, TCP, UDP, ICMP • DHCP Client, NTP Client, DNS Client, DDNS Client, SMTP Client, FTP Client • HTTP • Samba Client</li> <li>• PPPoE • UPnP • RTP (Real Time Protocol) • RTCP (Real Time Control Protocol) • RTSP (Real Time Streaming Protocol)</li> </ul>								
Management									
<b>Accounts</b>	<ul style="list-style-type: none"> <li>• Up to 20 user accounts</li> </ul>								
<b>Remote Login</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 1023 entries</li> </ul>								
Settings									
<b>Image</b>	<ul style="list-style-type: none"> <li>• Brightness, contrast, saturation, sharpness, white balance, flip, mirror (horizontal/vertical), black &amp; white, day, night, schedule mode</li> </ul>								
<b>Video Setting</b>	<table border="0"> <tr> <td> <ul style="list-style-type: none"> <li>• Encoding type: MJPEG</li> <li>- Resolution: up to 704 x 576, 352 x 288, 176 x144</li> <li>- Max frame rate: 30 fps</li> <li>- Quality: Low, Fair, Standard, Good, Excellent</li> </ul> </td> <td> <ul style="list-style-type: none"> <li>• Encoding type: MPEG-4</li> <li>- Resolution: up to 704 x 576, 352 x 288, 176 x144</li> <li>- Max. frame rate: 30 fps</li> <li>- Quality: Low, Fair, Standard, Good, Excellent</li> </ul> </td> </tr> </table>	<ul style="list-style-type: none"> <li>• Encoding type: MJPEG</li> <li>- Resolution: up to 704 x 576, 352 x 288, 176 x144</li> <li>- Max frame rate: 30 fps</li> <li>- Quality: Low, Fair, Standard, Good, Excellent</li> </ul>	<ul style="list-style-type: none"> <li>• Encoding type: MPEG-4</li> <li>- Resolution: up to 704 x 576, 352 x 288, 176 x144</li> <li>- Max. frame rate: 30 fps</li> <li>- Quality: Low, Fair, Standard, Good, Excellent</li> </ul>						
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## SPECIFICATIONS

Settings	
<b>Video Setting</b>	<ul style="list-style-type: none"> <li>• Encoding type: H.264               <ul style="list-style-type: none"> <li>-Resolution: up to 704 x 576, 352 x 288, 176 x 144</li> <li>-Max. frame rate: 30 fps</li> <li>-Fixed bit Rate: up to 2M</li> </ul> </li> </ul>
<b>Recording</b>	<ul style="list-style-type: none"> <li>• Resolution: Define individual resolution for up to 4 profiles</li> <li>• Required storage: 32MB (minimum per profile)</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> <li>• Real time snapshot</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>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-IP612P
- CD-ROM (Utility & User's Guide)
- Multi-Language Quick Installation Guide
- Cat. 5 Ethernet cable (1.5 m / 5 ft.)
- Power adapter (12V, 2A)
- Camera mounting kit
- AV Cable (25 mm / 10.5 in.)

## RELATED PRODUCTS

<b>TV-IP612WN</b>	ProView Wireless N Pan/Tilt/Zoom Internet Camera
<b>TPE-80WS</b>	8-Port Gigabit Web Smart PoE Switch
<b>TPE-224WS</b>	24-Port 10/100Mbps Web Smart PoE Switch with 4 Gigabit Ports and 2 Mini-GBIC Slots

## CONTACT INFORMATION

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