

## ProView Wireless N Pan/Tilt/Zoom Internet Camera TV-IP602WN(V1.0R)

The ProView Wireless N Pan/Tilt/Zoom Internet Camera, model TV-IP602WN, provides real-time security surveillance over a large viewing area—remotely pan the camera side-to-side a remarkable 312 degrees and tilt up-and-down 115 degrees. Wireless n technology provides unsurpassed wireless coverage and improved streaming video quality.

Add this camera to your wireless network at the touch of a button with Wi-Fi Protected Setup (WPS). The TV-IP602WN streams up to 640 x 480 video resolution over a secure wireless connection. Manage up to 32 ProView cameras with the included complimentary camera management software. Advanced features include motion detection recording, email alerts, scheduled recording sessions, MPEG-4 compression, 2-way audio, pan/tilt auto patrol, digital zoom, and Samba client support. A wall/ceiling mounting kit is included and the off-white IP 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 business use.

## FEATURES

- Wi-Fi compliant with IEEE 802.11b/g/n networks
  - Backwards compatible with IEEE 802.11g and IEEE 802.11b devices
  - One touch WPS connection button
  - 1 x 10/100Mbps Auto-MDIX RJ-45 port
  - Power and activity LED indicators (can be disabled)
  - 2-way audio: built-in microphone and audio out port for third party speakers
  - Reset button
  - 2 x detachable antennas
  - 16 x digital zoom
  - Pan left or right 156° for a total of 312°
  - Tilt the camera up 70° and down 45° 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 MPEG-4, and MJPEG video recording
  - Supports up to 640 x 480 pixel resolution at up to 30 frames per second
  - 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
  - Record video to a Samba network drive
  - Define a recording schedule, continuous recording, or event based recording
  - Individually manage recording space and recycle options for each video profile
  - 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
  - Supports 64/128-bit WEP and WPA/WPA2-PSK wireless encryption
  - 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
- \*Monitoring multiple cameras may require a high performance CPU

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## SPECIFICATIONS

Camera	
<b>General</b>	<ul style="list-style-type: none"><li>• Sensor: 1/4" color CMOS sensor</li><li>• Board Lens</li><li>• Focal Length: 4.57mm</li><li>• F/No: 1.9</li><li>• Minimum illumination: 0.5 lux</li><li>• Focus Depth: 20 cm ~ infinity</li><li>• View: * Horizontal: 45.7 degrees * Vertical: 35.1 degrees * Diagonal: 55.6 degrees</li><li>• Digital Zoom: 16x</li></ul>
<b>Audio</b>	<ul style="list-style-type: none"><li>• Audio in omni-directional microphone</li><li>• Sensitivity: -42dB +/- 3dB (5 meters max.)</li><li>• Frequency response: 50 ~ 16000Hz</li><li>• S/N: &gt;58dB</li><li>• Codec: ARM/PCM</li><li>• External speaker output (speaker sold separately)</li><li>• Two-way audio with echo canceling</li></ul>
<b>Pan &amp; Tilt</b>	<ul style="list-style-type: none"><li>• Pan: -156° ~ +156°</li><li>• Tilt: up 70° and down 45°</li><li>• Preset positions: 10</li></ul>
<b>Image &amp; Video</b>	<ul style="list-style-type: none"><li>• Compression: simultaneous MPEG-4 / MJPEG</li><li>• Profiles: up to 4 profiles simultaneously</li><li>• IRIS Control /white balance control: automatic</li><li>• Resolution: 640 x 480 (at 30 fps), 320 x 240, and 160 x 120</li></ul>
Hardware	
<b>Network</b>	<ul style="list-style-type: none"><li>• IEEE 802.3u 10/100Mbps Auto-MDIX Fast Ethernet</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>• Restore to factory default</li></ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"><li>• 10.1 Watts (max. @ motor on)</li><li>• 5.6 Watts (max. @ motor off)</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>• 112 x 130 x 110 mm (4.4 x 5.1 x 4.3 in.)</li></ul>
<b>Weight</b>	<ul style="list-style-type: none"><li>• 485 g (1.1 lbs.)</li></ul>
<b>Temperature</b>	<ul style="list-style-type: none"><li>• Operating: 0°C ~ 45°C (32°F ~ 113°F)</li><li>• Storage: -15°C ~ 60°C (5°F ~ 140°F)</li></ul>
<b>Humidity</b>	<ul style="list-style-type: none"><li>• Max. 85% (non-condensing)</li></ul>
<b>Certifications</b>	<ul style="list-style-type: none"><li>• CE, FCC</li></ul>
Requirement	
<b>Management Interface</b>	<ul style="list-style-type: none"><li>• Internet Explorer 7.0 and 8.0</li></ul>
<b>To Run SecurView Pro</b>	<ul style="list-style-type: none"><li>• Windows 7(32/64-bit), Vista(32/64-bit), XP(32/64-bit)</li></ul>
<b>IPView Pro 2.0 Software</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</li><li>• Samba Client</li><li>• PPPoE</li><li>• UPnP</li><li>• RTP (Real Time Protocol)</li><li>• RTCP (Real Time Control Protocol)</li><li>• RTSP (Real Time Streaming Protocol)</li></ul>
Wireless	
<b>Standard</b>	<ul style="list-style-type: none"><li>• IEEE 802.11b, IEEE 802.11g, and IEEE 802.11n</li></ul>
<b>Frequency</b>	<ul style="list-style-type: none"><li>• 2.4 ~ 2.4497 GHz ISM band</li></ul>
<b>Modulation</b>	<ul style="list-style-type: none"><li>• DQPSK, DBPSK, DSSS and CCK</li></ul>
<b>Antenna</b>	<ul style="list-style-type: none"><li>• 2 x detachable 2dBi dipole antennas (Reverse-SMA connector)</li></ul>
<b>Date Rate</b>	<ul style="list-style-type: none"><li>• 802.11b: up to 11Mbps</li><li>• 802.11g: up to 54Mbps</li><li>• 802.11n: up to 300Mbps</li></ul>
<b>Security</b>	<ul style="list-style-type: none"><li>• 64/128-bit WEP, WPA/WPA2-PSK</li></ul>
<b>Output Power</b>	<ul style="list-style-type: none"><li>• 802.11b: 18dBm (typical)</li><li>• 802.11g: 15dBm (typical)</li><li>• 802.11n: 13dBm (typical)</li></ul>
<b>Receiving Sensitivity</b>	<ul style="list-style-type: none"><li>• 802.11b: -85dBm at 11Mbps</li><li>• 802.11g: -73dBm at 54Mbps</li><li>• 802.11n: -65dBm at 300Mbps</li></ul>
<b>Channels</b>	<ul style="list-style-type: none"><li>• 1~11 (FCC), 1~13(ETSI)</li></ul>

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## SPECIFICATIONS

Management	
<b>Accounts</b>	• Up to 20 user accounts
<b>Remote Login</b>	• Remote management supported
<b>Backup / Restore</b>	• Save/retrieve configuration files
<b>Log</b>	• System log up to 500 entries
Settings	
<b>Image</b>	• Brightness, contrast, saturation, sharpness, white balance, flip, mirror (horizontal/vertical), black & white, day, night, scheduz-mode
<b>Video Setting</b>	<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>- JPEG quality: Low, Fair, Standard, Good, Excellent</li> </ul> <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>
<b>Environment Settings</b>	• Night mode enable/disable • Indoor / Outdoor • Shutter: 1/3.25s, 1/7.5s and 1/15s
<b>3GPP</b>	• Audio codec/AMR • Video codec/MPEG4 • Protocols/RTSP, RTP
<b>Recording</b>	• Resolution: Define individual resolution for up to 4 profiles • Required storage: 32MB (minimum per profile) • Recording type: event based (motion detection and digital input trigger), continuous, and scheduled
<b>Snapshot</b>	• Trigger event: motion detection or digital input signal • Action: send alert email and/or upload to FTP • Real time snapshot
<b>Port Settings</b>	• HTTP port: 80 (default) • RTSP port: 554 (default)
<b>Dynamic DNS Support</b>	• Yes
<b>Time</b>	• Synchronize with NTP server or set time / date manually

## NETWORKING SOLUTIONS



## PACKAGE CONTENTS

TV-IP602WN

CD-ROM (Utility & User's Guide)

Multi-Language Quick Installation Guide

Network cable (1.5 m / 5 ft.)

Power adapter (12V DC, 1.5A)

Camera Mounting kit

## RELATED PRODUCTS

<b>TV-IP612P</b>	ProView PoE Pan/Tilt/Zoom Internet Camera
<b>TEW-639GR</b>	300Mbps Wireless N Gigabit Router
<b>TV-IP612WN</b>	ProView Wireless Pan/Tilt/Zoom Internet Camera

## CONTACT INFORMATION

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