



## ProView Wireless N Internet Camera TV-IP512WN (V1.3R)

The ProView Wireless N Internet Camera transmits real-time high quality streaming video over the Internet. Manage your Internet Camera from any Internet connection. 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).

Manage up to 32 TRENDnet cameras with the included complimentary camera management software. Advanced features include motion detection recording, email alerts, scheduled recording sessions, MPEG-4/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

- Wi-Fi compliant with IEEE 802.11n standard
- Backwards compatible with IEEE 802.11g, IEEE 802.11b and IEEE 802.11a devices
- 16x digital zoom
- 1x 10/100Mbps Fast Ethernet 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
- Supports 64/128-bit WEP WPA-PSK and WPA2-PSK
- Wi-Fi Multimedia (WMM) Quality of Service (QoS) supported
- 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 to 32 cameras \*\*\*
- 3-year limited warranty

\* Support SSL with complimentary software

\*\* SD memory card sold separately

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

# ProView Wireless N Internet Camera

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### 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>• Minimum Object Distance (M.O.D.): 70cm</li><li>• View angle: diagonal 44 degree</li></ul>
<b>Audio</b>	<ul style="list-style-type: none"><li>• Built-in omni-directional microphone</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></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 (4.1 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</li></ul>
<b>To Run Software</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</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>
Wireless	
<b>Standard</b>	<ul style="list-style-type: none"><li>• IEEE 802.11b, IEEE 802.11g und IEEE 802.11n (draft 2.0)</li></ul>
<b>Frequency</b>	<ul style="list-style-type: none"><li>• 2.4 ~ 2.497GHz ISM band</li></ul>
<b>Antenna</b>	<ul style="list-style-type: none"><li>• 2 x 2dBi dipole antennas (Reverse-SMA connector)</li></ul>
<b>Data Rate (auto fallback)</b>	<ul style="list-style-type: none"><li>• 802.11b: 11Mbps, 5.5Mbps, 2Mbps and 1Mbps</li><li>• 802.11n: up to 300Mbps</li><li>• 802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps</li></ul>
<b>Security</b>	<ul style="list-style-type: none"><li>• 64/128-bit WEP, WPA-PSK, 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: -91dBm at 11Mbps</li><li>• 802.11g: -90dBm at 54Mbps</li><li>• 802.11n: -84dBm at 300Mbps</li></ul>
<b>Channel</b>	<ul style="list-style-type: none"><li>• 1~11 (FCC), 1~13 (ETSI)</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>

# ProView Wireless N Internet Camera

## TV-IP512WN (V1.3R)

Setting	
Image	• Brightness, contrast, noise reduction, saturation, sharpness, white balance, flip, mirror (horizontal/vertical), black/white mode
Video	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> 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> 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>
Recording	<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>
Snapshot	• Trigger event: motion detection or digital input signal    • Action: send alert email and/or upload to FTP
Port Settings	• HTTP port: 80 (default)    • RTSP port: 554 (default)
Digital Zoom	• 16x
Dynamic DNS	• Yes
Time	• Synchronize with NTP server or set time/date manually

## NETWORKING SOLUTIONS



## PACKAGE CONTENTS

- TV-IP512WN
- CD-ROM (Utility & User's Guide)
- Multi-Language Quick Installation Guide
- Cat. 5 Ethernet cable (1.5m/ 5ft.)
- Power adapter (12V, 1.5A)
- Camera Stand

## RELATED PRODUCTS

TV-IR500	6mm F/1.8 1/3" CS-Mount IR Lens
TS-S4002	2-Bay SATA I/II Network Storage Enclosure
TEW-671BR	300Mbps Concurrent Dual Band Wireless N Router

## ORDERING INFORMATION

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