TRENDnet®

ProView Wireless N Pan/Tilt/Zoom Internet Camera
TV-IP612WN (V1.0R)

The ProView Wireless N 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.

Wireless n technology provides unsurpassed wireless coverage and improved streaming video quality. Pan the camera side-to-side a remarkable 330 degrees and tilt up-and-down 120 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.

Add this camera to your wireless network at the touch of a button with Wi-Fi Protected Setup (WPS). The TV-IP612WN streams up to 704 x 576 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, 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 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 802.11n standard
• 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)
• 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
• 2 x detachable antennas
• 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
• 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

* Micro SD memory card sold separately
* Monitoring multiple cameras may require a high performance CPU

ProView Wireless N Pan/Tilt/Zoom Internet Camera
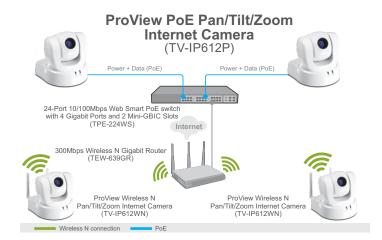## TV-IP612WN (V1.0R)

SPECIFICATIONS

Camera

General	• 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
	 • LENS: Auto focus zoom lens with IR cut filter • Zoom Ratio: 10x optical zoom plus 16x digital zoom
	 • Color: full color or black and white mode
	 • Day & Night image modes: Automatic or scheduled transition between modes
	 Minimum illumination: Color: 0.7 lux@F1.8 B/W: 0.02 lux@F1.8
	 • View:
	    Wide Angle: Horizontal: 51.3 degree
	                       Vertical: 39.3 degree
	    Max. Zoom Angle: Horizontal: 5.6degree
	                       Vertical: 7.3 degree

Audio	• Built-in omni-directional microphone • Sensitivity: -40dB +/- 3dB (5 meters max.) • Frequency: 100~20000Hz • S/N: >60dB • External speaker output (speaker sold separately) • Two-way audio with echo canceling • Codec: ARM/PCM
Pan & Tilt	• Pan: -165° ~ +165° • Tilt: up 84° and down 31° • Preset positions: 20 • Auto Patrol and manual controls
Image & Video	• Compression: simultaneous H.264 / MPEG-4 / MJPEG • Profiles: up to 4 profiles simultaneously • Built-in ICR • IRIS Control /white balance control: automatic • Resolution: up to 704 x 576, 352 x 288, and 176 x 144 @ 30fps
GPIO	• Input: 1 set • Output: 1 set
Micro SD slot	• Micro Secure Digital card (up to 16G)

Hardware

Network	• IEEE 802.3u 10/100Mbps Fast Ethernet • IEEE 802.3af PoE
LED	• Power, Link/Act
Reset Button	• Reset to factory default
Power Consumption	• 12 Watts (max.)
Power	• 12V, 2A external power adapter (for non-PoE installations)
Dimension	• 125 x 160 x 125 mm (4.9 x 6.3 x 4.9 in.)
Weight	• Camera: 800 g (28.22 oz.)
Temperature	• Operating: 0°C ~ 45°C (32°F ~ 113°F) • Storage: -15°C ~ 60°C (5°F ~ 140°F)
Humidity	• Max. 90% (non-condensing)
Certifications	• CE, FCC

Requirement

To View Camera	• Internet Explorer 7.0 or above, Firefox 3.5 or above, Safari 4.0 or above
To Run Software	• Windows 10, 8.1, 8, 7 (32/64-bit), Vista (32/64-bit), XP (32/64-bit)
IPView Pro 2.0	• Channel: supports up to 32 cameras • Record/Playback/Motion Detection/Audio
Network Protocols	• IPv4, ARP, TCP, UDP, ICMP • DHCP Client, NTP Client, DNS Client, DDNS Client, SMTP Client, FTP Client • HTTP • Samba Client • PPPoE • UPnP • RTP (Real Time Protocol) • RTCP (Real Time Control Protocol) • RTSP (Real Time Streaming Protocol)

Management

Accounts	• Up to 20 user accounts
Remote Login	• Remote management supported
Backup / Restore	• Save/retrieve configuration files
Log	• System log up to 1023 entries

Settings

Image	• Brightness, contrast, saturation, sharpness, white balance, flip, mirror (horizontal/vertical), black & white, day, night, schedule mode

Video Setting	• Encoding Type: MJPEG • Encoding type: MPEG-4
	                                             - Resolution: up to 704 x 576, 352 x 288, 176 x144
	                                             - Max. frame rate: 30 fps
	                                             - Quality: Low, Fair, Standard, Good, Excellent

SPECIFICATIONS

Settings

Video Setting	• Encoding type: H.264 　　　　　-Resolution: up to 704 x 576, 352 x 288, 176 x144 　　　　　-Max. frame rate: 30 fps 　　　　　-Fixed bit Rate: up to 2M
Recording	• 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
Snapshot	• Trigger event: motion detection or digital input signal　• Action: send alert email and/or upload to FTP　• Real time snapshot
Port Settings	• HTTP port: 80 (default)　• RTSP port: 554 (default)
Dynamic DNS	• Yes
Time	• Synchronize with NTP server or set time/date manually

NETWORKING SOLUTIONS

ProView PoE Pan/Tilt/Zoom Internet Camera (TV-IP612P)

Power + Data (PoE)　　　　Power + Data (PoE)

24-Port 10/100Mbps Web Smart PoE switch with 4 Gigabit Ports and 2 Mini-GBIC Slots (TPE-224WS)

Internet

300Mbps Wireless N Gigabit Router (TEW-639GR)

ProView Wireless N Pan/Tilt/Zoom Internet Camera (TV-IP612WN)

ProView Wireless N Pan/Tilt/Zoom Internet Camera (TV-IP612WN)

Wireless N connection　　　PoE

PACKAGE CONTENTS

• TV-IP612WN

• 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

• 1 AV Cable

RELATED PRODUCTS

TV-IP612P	ProView PoE Pan/Tilt/Zoom Internet Camera
TEW-639R	300Mbps Wireless N Gigabit Router
TEW-673GRU	300Mbps Concurrent Dual Band Wireless N Gigabit Router

CONTACT INFORMATION

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