TRENDNET®

SecurView Wireless N Day/Night Internet Camera
TV-IP312WN (V1.0R)

The SecurView Wireless N Day/Night Internet Camera, transmits high quality video and audio over the Internet. 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). Infrared bulbs provide night vision for distances of up to five meters (16 feet) in complete darkness. A built-in microphone and optional speakers accommodate 2-way audio communications. Manage up to 32 SecurView cameras with the included complimentary camera management software.

Advanced features include motion detection recording, email alerts, scheduled recording sessions, MPEG-4 / MJPEG image compression, and digital zoom. A wall/ceiling mounting kit is included and the off-white camera housing blends into most environments.

FEATURES

- Wi-Fi compliant with IEEE 802.11b/g/n networks

- 3 x digital zoom

- 1 x 10/100Mbps Fast Ethernet port

- 1 x Wi-Fi Protected Setup button

- 1 x USB port to store still images to a USB flash drive*

- High quality MPEG-4 and MJPEG video recording with up to 30 frames per second

- Resolution up to 640 x 480 pixels

- Power and activity LED indicators (can be disabled)

- Infrared night vision for up to 5 meters (16 feet)

- Dynamic DNS support

- Image control: brightness, contrast, saturation, and mirror (horizontally/vertical)

- Supports TCP/IP networking, SMTP Email, HTTP, Samba, and other Internet protocols

- Record streaming video to your computer and Network Storage Server

- Motion detection triggered email alerts and image upload via FTP

- Stream Internet camera video to a 3GPP compatible mobile device

- Supports 64/128-bit WEP and WPA/WPA2-PSK wireless encryption

- Hear and talk to people in your camera's viewing area through your computer

- Two adjustable motion detection windows with just-in-time snapshot

- Quick Universal Plug and Play installation

- Complimentary SecurView Pro software: manage up of up to 32 camera**

- 3-year limited warranty

* USB port supports up to 500mA powered device with FAT16/32 format

** Monitoring multiple cameras may require a high performance CPU

SPECIFICATIONS

CAMERA

General	• Sensor: 1/4" color CMOS sensor • Resolution: 640 x 480 pixels • Board Lens • Focal Length: 4.5mm • Aperture (F/No): F2.8 • Aperture (F/No): F2.8 • Minimum illumination: 0 Lux • Diagonal viewing angle: 60 degree
Image & Video	• Compression: MPEG-4/MJPEG dual streaming • Exposure/white balance/gain control : automatic • Resolution: up to 30fps for VGA (640x480), 30fps for QVGA (320x240), 30fps for QQVGA (160x120)
Audio	• Audio in: internal omni-directional microphone • Sensitivity: -48dB +/- 3dB • Frequency response: 50 ~ 16000Hz • Audio out: external output to active speaker (mono) • Echo Cancellation: hardware voice processor • Audio codec: PCM/AMR

HARDWARE

Network	• IEEE 802.3u 10/100Mbps Fast Ethernet, Auto-MDIX
LED	• Power, Link
USB Port	• Type A USB 1.1 host port
Reset Button	• Restore to factory default
WPS Button	• Push button for Wi-Fi Protected Setup
Power Consumption	• 8 watts max.
Power	• 5 V, 2.5 A external power adapter
Dimension	• 70 x 100 x 57 mm (2.67 x 3.94 x 2.95 in.)
Weight	• 155 g (5.4 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

REQUIREMENTS

Management Interface	• Internet Explorer 6.0 or above
To Run SecurView Pro	• Windows 7 (32/64 bit), Vista (32/64 bit), XP (32/64 bit)
SecurView Pro	• Channel: supports up to 32 cameras • Record/Playback/Motion Detection
Network Protocols	• TCP/IP, UDP, ICMP, DHCP, NTP, DNS, DDNS, SMTP, FTP, HTTP, Samba, PPPoE, UPnP, RTP, RTSP and RTCP

WIRELESS

Standard	• Based on IEEE 802.11n technology • IEEE 802.11g/b compliant
Frequency	• 2.4 ~ 2.4835GHz
Antenna	• 1 x 2dBi dipole antenna (Reverse-SMA connector)
Data Rate (auto fallback)	• 802.11n: up to 150Mbps • 802.11g: up to 54Mbps • 802.11b: up to 11Mbps
Security	• 64/128-bit WEP, WPA/WPA2-PSK
Output Power	• 802.11n: 15 + 1 dBm • 802.11b: 15 + 1 dBm • 802.11g: 18 + 1 dBm
Receiving Sensitivity	• 802.11n HT20: -67dBm • 802.11n HT40: -64dBm • 802.11g: -70dBm • 802.11b: -87dBm
Channel	• 1~11 (FCC), 1~13 (ETSI)

MANAGEMENT

Remote	• Remote management supported
Backup / Restore	• Save/retrieve configuration files

SPECIFICATIONS

SETTINGS	
Recording	• Recording type: continuous, schedule or motion detection with software
Image	• Brightness, sharpness, saturation, flip, mirror, (horizontal/vertical)
Video	• Encoding type: Resolution:640x480, 320x240,160x120 • Frame rate: 1~30 fps • Compression: 5 levels
Multi-Profile	• 3 profiles simultaneously
Port Settings	• HTTP port: 80 (default)
Digital Zoom	• 3x
Dynamic DNS	• Yes
Time	• Synchronize with NTP server or set time/date manually
SMTP	• SMTP mail supported up to 2 accounts with software
System Log	• 100 entries (max.)

NETWORKING SOLUTIONS

PACKAGE CONTENTS

TV-IP312WN
Multi-Language Quick Installation Guide
CD-ROM (Utility & User's Guide)
Power adapter (5V DC, 2.5 A)
Network cable (1.8 m/5.9 ft.)
Mounting stand

RELATED PRODUCTS

TV-IP121WN	SecurView Wireless N Day/Night Internet Camera
TV-IP252P	SecurView PoE Dome Internet Camera
TV-IP422WN	SecurView Wireless N Day/Night Pan/Tilt/Zoom Internet Camera

CONTACT INFORMATION

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