



Wireless N Internet Camera Server with 2-Way Audio TV-IP512WN (v1.0R)

The Wireless N Internet Camera Server with 2-Way Audio 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

- Works with IEEE 802.3af PoE compliant devices
- 16 x digital zoom
- 1x 10/100Mbps Fast Ethernet PoE 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
- Built-in SD card slot allows you to store still images or video directly onto a SD memory card*
- Supports TCP/IP networking, SMTP Email, HTTP, Samba and other Internet protocols
- 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 of up to 32 cameras **
- 3-year limited warranty

** Monitoring multiple cameras may require a high performance CPU

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SPECIFICATIONS

Camera	
General	<ul style="list-style-type: none">• Sensor: 1/4" color CMOS SOC image sensor• Resolution: 640 x 480 pixels• Lens: 1/3" CS-Mount, replaceable• Focal Length: 6mm• F/No: F1.8• Minimum illumination: 0.5 Lux @ F1.8• Focus depth: 70cm ~ infinity• View angle: horizontal: 45 degree, vertical: 34 degree
Audio	<ul style="list-style-type: none">• Built-in omni-directional microphone• Sensitivity: -48dB +/- 3dB (5 meters max)• Frequency: 50~16000Hz• S/N: 50dB• External speaker output• Two-way audio with echo canceling• Codec: ARM/PCM
Image & Video	<ul style="list-style-type: none">• Compression: MPEG-4 / MJPEG• Profiles: up to 4 profiles simultaneously• Exposure/white balance control: automatic• Resolution: VGA (640x480), QVGA (320x240), QQVGA (160x120) up to 30fps
I/O Connector	<ul style="list-style-type: none">• Input: 2 sets (pin 1/2, pin 3/4)• Output: 1 set (pin 5/6)• RS-485: 1 set (pin 7/8)
SD slot	<ul style="list-style-type: none">• Secure Digital card (up to 16G)
Hardware	
Network	<ul style="list-style-type: none">• IEEE 802.3u 10/100Mbps Fast Ethernet, Auto-MDIX• IEEE 802.3af PoE
LED	<ul style="list-style-type: none">• Power, Link
Reset Button	<ul style="list-style-type: none">• Reset settings
Power Consumption	<ul style="list-style-type: none">• 9 Watts
Power	<ul style="list-style-type: none">• 12V, 1.5A external power adapter
Dimension	<ul style="list-style-type: none">• 170 x 80 x 40mm (6.7 x 3.2 x 1.6 in.)
Stand Dimension	<ul style="list-style-type: none">• 128 mm (4.7 in.)
Weight	<ul style="list-style-type: none">• Camera: 260g (9.2 oz.)• Stand: 116g (4.1 oz)
Temperature	<ul style="list-style-type: none">• Operating: 0°C ~ 40°C (39°F ~ 104°F) Storage: -15°C ~ 60°C (5°F ~ 140°F)
Certification	<ul style="list-style-type: none">• CE, FCC
Requirement	
To View	<ul style="list-style-type: none">• Internet Explorer 6.0 or above, Safari 2.0 or above, Firefox 2.0 or above, Opera, Netscape, and Google Chrome
To Run Software	<ul style="list-style-type: none">• Windows XP, Vista
IPView Pro 2.0	<ul style="list-style-type: none">• Channel: supports up to 32 cameras• Record/Playback/Motion Detection/Audio
Network Protocols	<ul style="list-style-type: none">• IPV4, ARP, TCP, UDP, ICMP• DHCP Client, NTP Client, DNS Client, DDNS Client, SMTP Client, FTP Client• HTTP Server• Samba Client• PPPoE• UPnP AV• RTP (Real Time Protocol)• RTCP (Real Time Control Protocol)• RTSP (Real Time Streaming Protocol)
Wireless	
Frequency	<ul style="list-style-type: none">• 2.4 ~ 2.497GHz ISM band
Antenna	<ul style="list-style-type: none">• 2 x 2dBi dipole antennas
Data Rate (auto fallback)	<ul style="list-style-type: none">• 802.11b: 11Mbps, 5.5Mbps, 2Mbps and 1Mbps• 802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps• 802.11n: up to 300Mbps
Security	<ul style="list-style-type: none">• 64/128-bit WEP, WPA-PSK, WPA2-PSK
Output Power	<ul style="list-style-type: none">• 802.11b: 18dBm (typical)• 802.11g: 15dBm (typical)• 802.11n: 13dBm (typical)
Receiving Sensitivity	<ul style="list-style-type: none">• 802.11b: -91dBm at 11Mbps• 802.11g: -90dBm at 54Mbps• 802.11n: -84dBm at 300Mbps
Channel	<ul style="list-style-type: none">• 1~11 (FCC), 1~13 (ETSI)
Management	
Account	<ul style="list-style-type: none">• Up to 20 user accounts
Remote	<ul style="list-style-type: none">• Up to 20 user accounts
Backup / Restore	<ul style="list-style-type: none">• Save/retrieve configuration files
Log	<ul style="list-style-type: none">• System log up to 500 entries

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Settings	
Image	• Brightness, contrast, noise reduction, saturation, sharpness, white balance, flip, mirror (horizontal/vertical), black/white mode
Video	Profile 1-2 • Encoding type: MPEG-4 and MJPEG • Resolution: 640 x 480, 320 x 240, 160 x 120 • Frame rate: 1, 2, 3, 5, 10, 15, 30 • Fixed bit rate: 64k, 128k, 256k, 384k, 512k, 768k, 1M, 1.5M, 2M Profile 3 • Encoding type: MJPEG • Resolution: 640 x 480, 320 x 240, 160 x 120 • Frame rate: 1, 2, 3, 5, 10, 15, 30 • Fixed bit rate: 64k, 128k, 256k, 384k, 512k, 768k, 1M, 1.5M, 2M Profile 4 (for mobile device only) • Encoding type: MPEG-4 • Resolution: 640 x 480, 320 x 240, 160 x 120 • Frame rate: 1, 2, 3, 5, 10, 15, 30 • Fixed bit rate: 64k, 128k, 256k, 384k, 512k, 768k, 1M, 1.5M, 2M
Recording	• Resolutions: 4 profiles • Storage size: 32MB (minimum) • 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
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 and User's Guide)
- Multi-Language Quick Installation Guide
- Cat. 5 Ethernet cable (1.5m/ 5ft.)
- Power adapter (12V, 1.5A)
- Camera Stand

RELATED PRODUCTS

TEW-639GR	300Mbps Wireless N Gigabit Router
TS-S402	2-Bay SATA I/II Network Storage Enclosure
TV-IP512P	Wireless N Internet Camera Server with 2-Way Audio

ORDERING INFORMATION

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