



## Single Channel Analog to IP Video Encoder TV-VS1 (V1.0R)

TRENDnet's Single Channel Analog to IP Video Encoder, model TV-VS1, provides advanced IP-based security camera functionality to a traditional analog CCTV camera. Convert analog video to digital; view video over any internet connection; record video to a server; and manage motion detection recording and email alerts.

The TV-VS1 converts analog video to resolutions of up to 704 x 480 pixels (4CIF) at 30 frames per second for H.264, MPEG-4, or MJPEG compressed video. Two-way audio support facilitates audio recording and two-way communications. Remote Pan/Tilt/Zoom and Auto Patrol is supported for Pelco D compliant PTZ cameras. Advanced features include motion detection recording, email alerts, scheduled recording sessions, 3GPP support, Samba client support, Input/Output ports to network to alarm systems, date-and-time and other text overlays, mask overlays to conceal sensitive areas, an SD card slot, and digital zoom. This compact device can be mounted on most surfaces.

## FEATURES

- 1 x 10/100Mbps Auto-MDIX RJ-45 port
- SD/SDHC card slot \*
- BNC video out and video in connectors
- Audio support : built-in Audio jacks for additional 3rd party microphone and speaker
- Input/Output ports (GPIO) to network to alarm systems
- Diagnostic Power and Link LEDs
- Four installation mounting points
- 3x digital zoom
- Pelco D pan/tilt/zoom support: Define Auto-Patrol pan tilt with up to 32 viewing nodes
- High quality H.264, MPEG-4, and MJPEG video recording
- Resolution up to 704 x 576 pixels and up to 30 frames per second (fps)
- Stream Internet camera video to a 3GPP compatible wireless device
- Dynamic DNS support
- Images controls: brightness, saturation, contrast, Hue and Wide Dynamic Range Correction (WDRC)
- Time, date, and other text overlays
- Mask overlays conceal sensitive areas
- Supports TCP/IP networking, SMTP Email, HTTP, and other Internet protocols
- Recording type: continuous, schedule, or motion detection
- Record streaming video to your computer or Network Storage device with Samba support
- Three motion detection windows with just-in-time snapshot , motion detection triggered email alerts, and image upload to FTP
- Event trigger: motion detection or Input/Output signal
- Event response: email alert, instant snapshot, or video recording
- Send instant messages to Jabber client via Jabber Server
- Supports Quality of Service (QoS) with Differentiated Services Code Point (DSCP)
- Quick Universal Plug and Play (UPnP) installation
- 3-year limited warranty

\* SD/SDHC card sold separately

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## SPECIFICATIONS

### GENERAL

<b>Video</b>	<ul style="list-style-type: none"><li>• Video In: CVBS / 1 Vp-p±0.2 / 75 Ohms ; BNC connector</li><li>• Video Out: CVBS /1 Vp-p /75 Ohms; BNC connector</li></ul>
<b>Audio</b>	<ul style="list-style-type: none"><li>• Line In: 3.5mm microphone in jack</li><li>• Line Out: 3.5mm audio out jack</li><li>• S/N Ratio: &lt; 60dB</li><li>• Codec: PCM/AMR</li><li>• 2 Way audio supported</li></ul>
<b>GPIO</b>	<ul style="list-style-type: none"><li>• Ground, GPIO in/out, DV12V output, RS485 TX+/TX-</li></ul>
<b>SD Slot</b>	<ul style="list-style-type: none"><li>• Supports SD/SDHC (up to 32GB)</li></ul>
<b>Pan/Tilt/Zoom</b>	<ul style="list-style-type: none"><li>• Protocol: Pelco D</li><li>• 32 presets</li><li>• Auto Patrol</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>• Push and release to reboot • Push and hold for 5 seconds to restore to factory default</li></ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"><li>• 7 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>• 160 x 109 x 36 mm (6.3 x 4.3 x 1.4 in.)</li></ul>
<b>Weight</b>	<ul style="list-style-type: none"><li>• 430 g (15.2 oz.)</li></ul>
<b>Temperature</b>	<ul style="list-style-type: none"><li>• Operating: 0° ~ 45° C (32° ~ 113° F) 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>

### REQUIREMENTS

<b>Management Interface</b>	<ul style="list-style-type: none"><li>• Internet Explorer 6.0 or above</li></ul>
<b>To run Utility</b>	<ul style="list-style-type: none"><li>• Windows 7(32/64-bit), Vista(32/64-bit), XP(32/64-bit)</li></ul>
<b>Network Protocols</b>	<ul style="list-style-type: none"><li>• TCP/IP, IPv4/IPv6, UDP, ICMP, DHCP, NTP, DNS, DDNS, SMTP, FTP, HTTP, HTTPs, Samba, PPPoE, UPnP, Bonjour, RTP, RTSP, RTCP</li></ul>

### MANAGEMENT

<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>

### SETTINGS

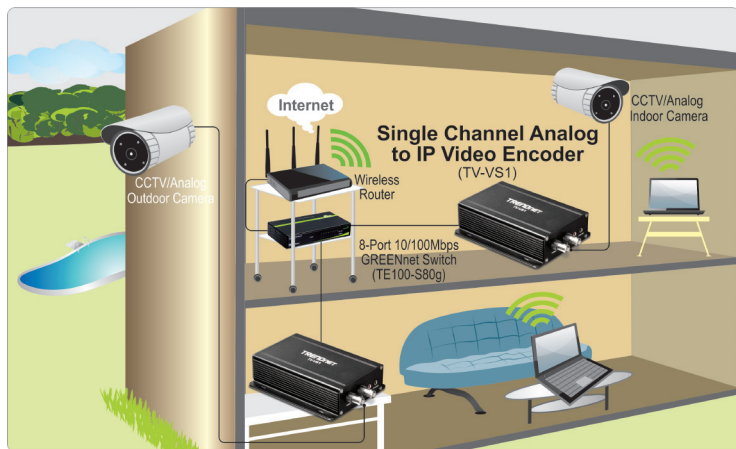
<b>Image</b>	<ul style="list-style-type: none"><li>• Brightness, contrast, saturation, mirror (horizontal/vertical)</li></ul>
<b>Video Encoder</b>	<ul style="list-style-type: none"><li>• Encoding type: H.264, MPEG4, MJPEG</li><li>• Resolution/Frame rate(auto-sensing)<ul style="list-style-type: none"><li>704 x 480, 352 x 240, 176 x 120, up to 30 fps (NTSC)</li><li>704 x 576, 352 x 288, 176 x 144, up to 25 fps (PAL)</li></ul></li><li>• Compression: 5 levels</li></ul>
<b>Recording</b>	<ul style="list-style-type: none"><li>• Recording type: continuous, schedule, or motion detection</li></ul>
<b>Port Settings</b>	<ul style="list-style-type: none"><li>• HTTP port: 80 (default), RTSP (554)</li></ul>
<b>Digital Zoom</b>	<ul style="list-style-type: none"><li>• 3x</li></ul>
<b>Dynamic DNS</b>	<ul style="list-style-type: none"><li>• Yes</li></ul>
<b>Time</b>	<ul style="list-style-type: none"><li>• Synchronize with NTP server or set time/date manually</li></ul>
<b>SMTP</b>	<ul style="list-style-type: none"><li>• Supported up to 2 destination email accounts</li></ul>
<b>System Log</b>	<ul style="list-style-type: none"><li>• 100 entries (max)</li></ul>

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## NETWORKING SOLUTIONS



## PACKAGE CONTENTS

TV-VS1

Multi-Language Quick Installation Guide

CD-ROM (Utility & User's Guide)

Network cable (1.8 m / 6 ft.)

GPIO Connector

Audio and cable (3.5 mm)

Power adapter (12 VDC, 1.5 A)

Mounting Kit

## RELATED PRODUCTS

<b>TV-VS1P</b>	Single Channel PoE Analog to IP Video Encoder
<b>TE100-S80g</b>	8-Port 10/100Mbps GREENnet Switch
<b>TE100-S24g</b>	24-Port 10/100Mbps GREENnet Switch

## CONTACT INFORMATION

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