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

SPECIFICATIONS

GENERAL

Video	• Video In: CVBS / 1 Vp-p±0.2 / 75 Ohms ; BNC connecter • Video Out: CVBS /1 Vp-p /75 Ohms; BNC connecter
Audio	• Line In: 3.5mm microphone in jack • Line Out: 3.5mm audio out jack • S/N Ratio: < 60dB • Codec: PCM/AMR • 2 Way audio supported
GPIO	• Ground, GPIO in/out, DV12V output, RS485 TX+/TX-
SD Slot	• Supports SD/SDHC (up to 32GB)
Pan/Tilt/Zoom	• Protocol: Pelco D • 32 presets • Auto Patrol

HARDWARE

Network	• IEEE 802.3u 10/100Mbps Fast Ethernet, Auto-MDIX
LED	• Power, Link
Reset Button	• Push and release to reboot • Push and hold for 5 seconds to restore to factory default
Power Consumption	• 7 Watts
Power	• 12V, 1.5A external power adapter
Dimension	• 160 x 109 x 36 mm (6.3 x 4.3 x 1.4 in.)
Weight	• 430 g (15.2 oz.)
Temperature	• Operating: 0° ~ 45° C (32° ~ 113° F) Storage: -15°C ~ 60°C (5°F ~ 140°F)
Humidity	• Max. 85% (non-condensing)
Certifications	• CE, FCC

REQUIREMENTS

Management Interface	• Internet Explorer 6.0 or above
To run Utility	• Windows 7(32/64-bit), Vista(32/64-bit), XP(32/64-bit)
Network Protocols	• TCP/IP, IPv4/IPv6, UDP, ICMP, DHCP, NTP, DNS, DDNS, SMTP, FTP, HTTP, HTTPs, Samba, PPPoE, UPnP, Bonjour, RTP, RTSP, RTCP

MANAGEMENT

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

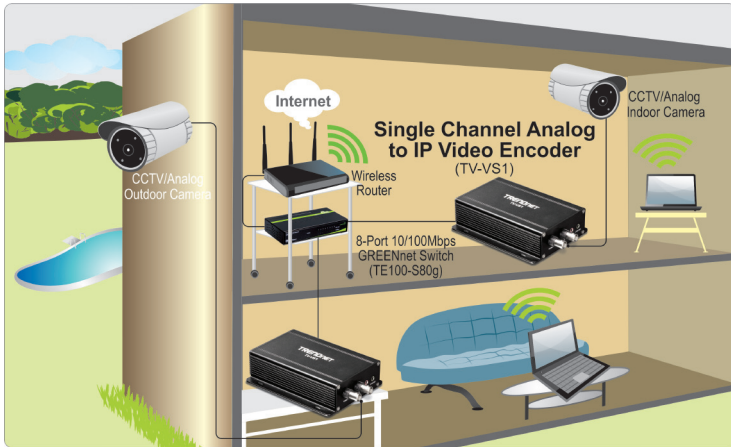### SETTINGS

Image	• Brightness, contrast, saturation, mirror (horizontal/vertical)

Video Encoder	• Encoding type: H.264, MPEG4, MJPEG
	• Resolution/Frame rate(auto-sensing)
	    704 x 480, 352 x 240, 176 x 120, up to 30 fps (NTSC)
	    704 x 576, 352 x 288, 176 x 144, up to 25 fps (PAL)
	• Compression: 5 levels

Recording	• Recording type: continuous, schedule, or motion detection
Port Settings	• HTTP port: 80 (default), RTSP (554)
Digital Zoom	• 3x
Dynamic DNS	• Yes
Time	• Synchronize with NTP server or set time/date manually
SMTP	• Supported up to 2 destination email accounts
System Log	• 100 entries (max)

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

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

CONTACT INFORMATION

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