DATA/ SPEC SHEET

VICON

Onvif

H.264   PoE

The Perfect Solution for Hybrid Systems

The VN-901T H.264 Video Encoder is a single-channel digital video server that converts one analog camera input into streamed IP video data. This embedded device easily integrates into the ViconNet Video Management System (VMS) as well as other VMS systems supporting ONVIF. It offers full support of NTSC/EIA and PAL/CCIR video cameras.

Easy to Install and Configure

The VN-901T is easily configured using a simple to use discovery tool, which quickly discovers the unit on the network and enables quick assignment of an IP address. In addition, the server supports full PTZ control, alarm reporting, picture quality configuration and external sensors, as well as privacy masking and motion detection.

Mounting Options

The VN-901T can be mounted on a desktop using the rubber feet provided; a bracket is supplied for wall mounting.

- Ideal solution for creating hybrid analog/IP systems using analog cameras with IP Video Management Systems

- Single analog camera video input; 1 looping video output

- Scalable - use several units for multiple cameras

- H.264 high-profile, MPEG-4 and M-JPEG compression

- Supports dual streaming

- Auto-sensing NTSC/PAL

- Maximum video system transmission rate up to 30 fps (25 fps PAL) at all resolutions

- 2 alarm inputs, 1 relay control output, 1 PTZ port, and 1-line level microphone inputs

- Privacy Masking and Motion detection

- Power over Ethernet (PoE) or 12 VDC/24 VAC

- ONVIF interface provides interoperability with open platform solutions

Ordering Information

Description	Model Number
Single-channel H.264 encoder	VN-901T

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Video Specifications

Video Channels:	1.
Video Formats Supported:	NTSC/EIA and PAL/CCIR.
Video Compression:	H.264, MPEG-4 (part 2), M-JPEG.
Video Streaming Protocols:	IPv4/v6, TCP/IP, UDP, HTTP, HTTPS, QoS, FTP, SMTP, RTCP, RTP, RTSP, DHCP, NTP, DDNS, ARP, Manual.
Resolutions:	NTSC: QQVGA, QVGA, VGA, QCIF, CIF, 2 CIF, 4 CIF (160x120 - 704x480); PAL: QQVGA, QVGA, VGA, QCIF, CIF, 2 CIF, 4 CIF (160x120 - 704x576).
Frame Rate:	30/25 fps (NTSC/PAL) at all resolutions.
Streams:	Dual.
Alarms:	2 dry contact, N.O./N.C. inputs; 1 relay control (open collector) output for external relay box.
Audio:	1 microphone input/1 speaker output.
PTZ Control:	1 PTZ port. RS-485 simplex protocol using Phoenix connection.
Port for Streaming Video:	Default for RTSP is 554,
Motion Detection:	Up to 8 windows.
Privacy Masks:	Up to 8 windows.
Alarm Triggers:	Motion detection, external input, video loss.
Users:	10 connections, max.

Mechanical Specifications

Application:	Indoor.
Mounting:	Desktop (rubber feet provided); wall mount bracket supplied.
Dimensions:	Height (H): 1.57 in. (40 mm). Width (W): 6.1 in. (155 mm). Depth (D): 4.03 in. (102.4 mm), including connectors.
Weight:	1.0 lb (0.45 kg).
Construction:	Metal casing.

Electrical Specifications

Input Voltage:	12 VDC/24 VAC. Power supply not included. Power over Ethernet, IEEE 802.3af Class 2/3.
Current:	0.2 A max. @ 24 VAC. PoE: 0.1 A max. @ 48 VDC.
Power Consumption:	5 W.
Heat Output:	17.5 btu/hour.
Indicators and Connectors:	Front Panel LEDs: Network connectivity, green; power, green. USB: 1 (front) (future use). Reset: Front panel button. Power Connector: 2-pin Phoenix. Network/PoE: 1 RJ-45 port, 10/100 Mbps. Alarm In/Out: 6-pin Phoenix. Inputs are 2 N.O./N.C. sensor contacts (dry contact). Output is 1 relay control. RS-485 (PTZ): 2-pin Phoenix connectors for transmit (1 channel) and receive; allows to connect without daisy chain. Analog Video In/Out: 1 BNC for each. Audio: 1 phone jack for microphone and 1 for speaker (output not currently supported by ViconNet).
Certifications:	CE; MIC; FCC, Class A.

Environmental Specifications

Operating Temperature:	32° to 122°F (0° to 50°C).
Humidity:	Up to 90% relative, non-condensing.

Warranty

3 years parts and labor.

Rear Panel Connectors Diagram

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Specifications subject to change without notice.

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