

NET5308T Video Encoder



8 INPUTS, EXPANDABLE TO 16 INPUTS, DUAL-STREAM, NTSC/PAL

Product Features

- 8 Video Inputs, Expandable to 16 Video Inputs
- 2 Simultaneous MPEG-4 Video Streams per Input
- Up to 30 High Quality (4CIF) Images per Second per Stream
- Video, Audio, and Data over IP Network
- Simultaneously View Video on a Computer User Interface, Console User Interface, and Video Decoder
- Adaptive Deinterlacing Technology
- 8 Programmable Alarm Inputs (Supervised or Unsupervised), 4 Relay Outputs, Expandable to 16 Alarm Inputs and 8 Relay Outputs
- 2 Security Modes
- Video Loss Indicator
- PTZ Support using Pelco P or Pelco D (RS-422) and Coaxitron® (up-the-coax) Protocols

The **NET5308T** is a high-performance, dual-stream, eight-input video encoding unit. Its main function is to convert live analog video signals into dual MPEG-4 streams. It can process up to 30 high quality images per second per stream. In addition, the **NET5308T** uses motion adaptive deinterlacing technology to reduce jitter in 4CIF images.

The **NET5308T** incorporates EnduraView™ video optimization technology to select the best image quality and frame rate for the target Endura™ product (decoder, workstation, console), all without affecting the system recording rate. For example, the unit selects a high rate and quality setting for recording and alarm conditions; it selects a lower rate for simple monitoring.

The **NET5308T** offers both unsecured and secured modes. The secure mode uses a key system to prevent unauthorized devices from communicating with a NET5308T over the Endura network.

The **NET5308T** is also designed for maximum system integration and flexibility. The **NET5308T-EXP** adds 8 video inputs to the **NET5308T** for easy expansion to 16 video inputs on the same network port. With its USB 2.0 technology, you can expand the **NET5308T** without redesigning your network.

Use the **NET5308T** to extend audio to the system from the encoder site. The unit transmits live audio across the network, letting you listen to activity in an area.

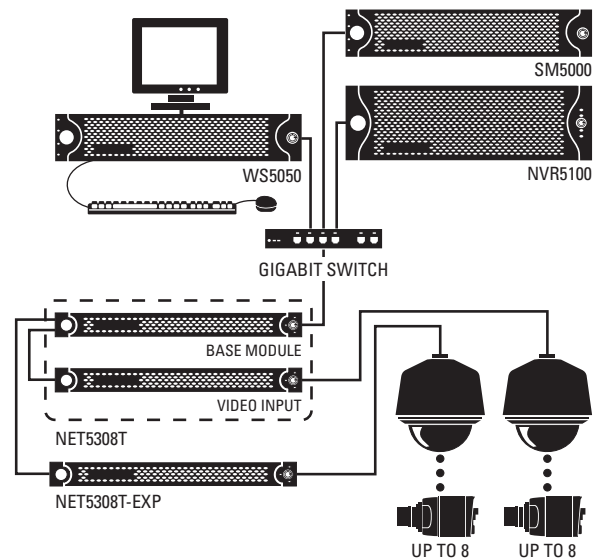


NET5308T
(INCLUDES EIGHT INPUTS AND BASE MODULE)



NET5308T-EXP
(OPTIONAL EIGHT INPUT EXPANSION UNIT)

From any control device on the network, such as a VCD5000 Series video console display or a WS5050 Endura workstation, you can operate any dome, PTZ camera, or relay that is connected to the **NET5308T**.



IMPORTANT NOTE: PLEASE READ. The network implementation is shown as a general representation only and is not intended to show a detailed network topology. Your actual network will differ, requiring changes or perhaps additional network equipment to accommodate the system as illustrated. Please contact your local Pelco Representative to discuss your specific requirements.

Endura distributed, network-based products are available only to certified dealers/integrators. Please contact your local sales representative for details on certification applications and requirements. Additional information on Endura products and certifications may be found at <http://www.pelco.com/endura>.



C2614 / NEW 1-07



International Standards
Organization Registered Firm;
ISO 9001 Quality System



TECHNICAL SPECIFICATIONS

MODEL NUMBER

NET5308T	Two module set that includes 1 base module and 1 video input module; encodes 8 video inputs, 8 audio inputs, and control data for transmission over an IP network; includes 8 alarm inputs and 4 relay outputs
NET5308T-EXP	Optional module that expands NET5308T to 16 channels; encodes an additional 8 video inputs, 8 audio inputs, and control data for transmission and integration with the NET5308T; adds 8 alarm inputs and 4 relay outputs

SUPPLIED ACCESSORIES

NET5308T	6 power cables (2 USA standard, 2 European standard, 2 UK standard) 1 USB 2.0 cable 2 alarm and 2 relay terminal blocks Serial PTZ kit (1 straight cable, 1 reverse cable, 1 breakout box)
NET5308T-EXP	3 power cables (1 USA standard, 1 European standard, 1 UK standard) 1 USB 2.0 cable 2 alarm and 2 relay terminal blocks

VIDEO/AUDIO

Video Standards	NTSC/PAL/EIA/CCIR composite	
Video Coding	MPEG-4	
Video Streams	2, simultaneous per input	
Video Resolutions	<u>NTSC</u>	<u>PAL</u>
4CIF	704 x 480	704 x 576
2CIF	704 x 240	704 x 288
CIF	352 x 240	352 x 288
QCIF	176 X 120	176 X 144
Video Inputs (Video/Expansion)	8, BNC, looping, 0.5-1 Vp-p	
Video Termination	Software controlled	
Video Sequence Output (Video/Expansion)	1, BNC, 1 Vp-p	
Audio Encoding	G.711 speech codec	
Audio Bit Rate	64 kbps	
Audio Levels	1 Vp-p, 10 kohms	
Audio Connectors	8, 3.5 mm monaural	
Connector Tip	Signal high	
Connector Sleeve	Common	
Audio Inputs	Line in	

PTZ CONTROL

PTZ Interface	RS-422, Video in
PTZ Protocols	Coaxitron (Video/Expansion) Pelco D/Pelco P (Base)

ALARMS/RELAYS

Alarm Inputs	8, programmable, 5.0 VDC 10 kohms, triggered; expandable to 16
Relay Output	4, form-C relay, 30 VDC, 1 A; expandable to 8

VIDEO ACTIVITY DETECTION

Zones	3 plus background zone
Zone Types	Any shape, user-definable in 16 x 16 pixel blocks
Sensitivity	Adjustable

POWER

Power Input	100-240 VAC 50/60 Hz, autoranging
Power Consumption (maximum)	40 W, 137 BTU/H (each module)

AUXILIARY INTERFACES

Base Module

Network Connector	1 Gigabit Ethernet RJ-45 port (1000BaseT)
USB 2.0	3 high-speed USB 2.0 ports on rear panel
Camera Control	1 RJ-45 connector; RS-422 to CM9760-CDU-T; Pelco D/Pelco P

Video/Expansion

Alarms	2, 8-pin terminal block
Relays	2, 6-pin terminal block

FRONT PANEL INDICATORS/FUNCTIONS

Base Module

Power	Blue
Status	Green, amber, red
Network Link/Speed	Green, amber
Network Activity	Green
Video	Green, red

Video/Expansion

Power	Blue
Video status	Red
Video operation	Green
Unit Status	Green, amber, red

ENVIRONMENTAL

Ambient Temperature	70° to 74°F (21° to 23°C)
Operating Temperature	32° to 113°F (0° to 45°C) at unit air intake
Storage Temperature	-40° to 149°F (-40° to 65°C)
Operating Humidity	20% to 80%, noncondensing
Maximum Humidity	Gradient 10% per hour
Operating Altitude	-50 ft to 10,000 ft (-15.2 m to 3,048 m)
Operating Vibration	0.25 G at 3 Hz to 200 Hz at a sweep rate of 0.5 octave/minute

PHYSICAL

Construction	Steel cabinet
Finish	Bezel: gray metallic with black end caps Chassis: black matte finish
NET5308T	
Dimension	16.7" D x 17.0" W x 3.4" H (42.4 x 43.2 x 8.6 cm)
Mounting	Desktop (feet) Rack, 2 RU per set (Rack ears and screws provided)
NET5308T-EXP	
Dimension	16.7" D x 17.0" W x 1.7" H (42.4 x 43.2 x 4.3 cm)
Mounting	Rack, 1 RU (Rack ears and screws provided)

CERTIFICATIONS

- CE, Class A
- UL Listed
- UL Listed to Canadian safety standards
- FCC, Class A

OPTIONAL MOUNTING ACCESSORIES

WM5300	Vertical wall mount kit for one NET5308T set and one NET5308T-EXP unit
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Notice: Judgment as to the suitability of the products for users' purposes is solely the users' responsibility. Users should refer to the Operation manuals for cautionary statements regarding user selected options and how they might affect video quality. Users shall determine the suitability of the products for their own intended application, picture rate and picture quality. In the event users intend to use the video for evidentiary purposes in a judicial proceeding or otherwise, users should consult with their attorney regarding any particular requirements for such use.



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