

NET5301R Video Decoder

MULTISTREAM, NTSC/PAL



Product Features

- Simultaneously View up to 4 Video Streams on Composite Video, S-Video, or VGA Monitor
- Video, Audio, and Data Over IP Network
- EnduraView™ Technology Optimizes Video Display
- 3 Programmable Alarm Inputs (Supervised or Unsupervised), 1 Relay Output
- 2 Security Modes
- Optional Wall and Rack Kits Accommodate up to 12 Units



The **NET5301R** is a high-performance, multistream video decoding unit. Its main function is to convert digital MPEG-4 streams into analog video signals. The **NET5301R** can display up to four streams simultaneously at a variety of image rates and quality settings. It can process up to 30 NTSC (25 PAL) high quality (4CIF) images per second (ips).

The Endura® system incorporates EnduraView™ video optimization technology to select the best image quality and frame rate for the **NET5301R**, all without affecting the system recording rate.

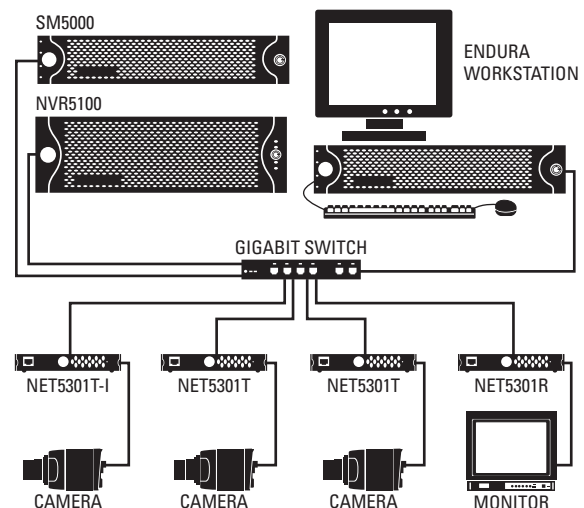
The **NET5301R** can display video streams from various Endura products on the system network. In addition to live video streams from multiple Endura video encoders, you can play back video from one or more Endura video recorders. When displaying multiple images, the unit optimizes the video display frame rates automatically to provide the best rate for the cameras.

The **NET5301R** can run in both unsecured and secured modes. The secure mode uses a proprietary key system to prevent unauthorized devices from communicating with a **NET5301R** over the Endura network.

The **NET5301R** is also designed for maximum system integration and flexibility. Each unit can be operated by either a 12 VDC or a 24 VAC power source. Each unit also supports NTSC and PAL video formats.

The unit supports one audio output over the network. The system operator (security personnel) can see and hear activity in the target area.

From any control device on the network, such as a VCD5202 Series video console display or an Endura workstation, you can also operate any relay that is connected to the **NET5301R**.



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.



TECHNICAL SPECIFICATIONS

MODEL

NET5301R Network video server that decodes video, audio, and control data transmitted over an IP network

SUPPLIED ACCESSORIES

Mating Connector 1, 16-pin
4-Pin to 2-Pin Adapter For user-supplied power supply

SYSTEM

Operating System Linux®
User Interface Remote operation from Endura workstation or VCD5202

VIDEO/AUDIO

Video Standards NTSC/PAL/EIA/CCIR composite
NTSC/PAL S-Video
VGA (1024 x 768)
60 Hz capability for NTSC
75 Hz capability for PAL

Video Coding MPEG-4

Video Resolutions NTSC PAL
4CIF 704 x 480 704 x 576
2CIF 704 x 240 704 x 288
CIF 352 x 240 352 x 288

Video Outputs/
Connector Types BNC, 75 ohms, 1 Vp-p
S-Video, 4-pin mini-DIN,
Y/C VGA, DB15

Video Display Streams 4
Video Display Modes Single image, 2 x 2
Audio Bit Rate 64 kbps

Audio Levels
Line Out 1 Vp-p (0 dBV) nominal, 1.228 Vp-p (+4 dBu)
maximum, 10 kohms
Speaker 2.5 Vp-p, 30 mW, minimum 16 ohms

Audio Connectors 2, 3.5 mm monaural
Connector Tip Signal high (output)
Connector Sleeve Common

Audio Outputs Speaker or line out
Audio Switch Line, speaker

ALARMS/RELAYS

Alarm Inputs 3, programmable, 3.3 VDC, 1 kohms,
triggered; uses 6 of 16 pins on terminal block
connector

Relay Output 1, form-C relay, 30 VDC, 1 A; uses 3 of 16 pins
on terminal block connector

AUXILIARY INTERFACES

Serial RS-422; uses 4 of 16 pins on terminal block
connector

Terminal Block Connector 16-pin: 3 alarm inputs, 1 relay output, serial

FRONT PANEL INDICATORS/FUNCTIONS

Network Connector RJ-45, 10/100Base-T
Power Blue
Status Green, amber, red
Network Link/Speed Amber, red
Network Activity Green

POWER

Power Consumption 12 W, 41 BTU/H
Power Input 12 VDC ±10%
24 VAC ±10%

Power Connectors
4-Pin For RK5200PS-5U or NET5301PS
4-Pin to 2-Pin Adapter For user-supplied power supply

ENVIRONMENTAL

Operating Temperature 32° to 122°F (0° to 50°C) at unit air intake
(front of unit)

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 (-16 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 Sheet metal
Finish Gray metallic with black end caps,
black matte finish

Dimension 8.75" D x 6.5" W x 1.2" H
(22.2 x 16.5 x 3.0 cm)

Mounting Desktop (feet), wall, or rack with options

Unit Weight 2.0 lb (0.9 kg)
Shipping Weight 5.0 lb (2.3 kg)

OPTIONAL MOUNTING ACCESSORIES

RK5200PS-5U Rack mount with power supply (12 units)
WM5200-4U Wall mount without power supply (1 unit)
WM5200-4UEXP Wall mount expansion (1 unit)

RECOMMENDED POWER SUPPLIES

NET5301PS Power supply for one decoder
(4-pin connector)

TF2000 Power supply for one decoder
(4-pin to 2-pin adapter)

MCS Series (B model) Multiple unit power supply, indoor
(2-pin connector)

CERTIFICATIONS/PATENTS

- CE, Class B
- FCC, Class B
- UL/cUL Listed
- C-Tick
- U.S. Patent D530,704 S

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