

NET5402R-HD Network Video Decoder

HIGH DEFINITION NETWORK DECODER WITH DUAL MONITOR OUTPUT

Product Features

- Decode Standard Resolution and Megapixel Resolution Streams
- Simultaneously Drive Two High Definition Monitors From a Single Unit
- Support for MPEG-4, H.264 Baseline, Main, and High Profile Codecs
- Simultaneously View up to Sixteen MPEG-4 Streams at 4CIF Resolution, 30/25 Images Per Second (ips); up to Twelve H.264 Streams at 4CIF Resolution, 30/25 ips; or up to Two 1080P Streams in Real Time
- EnduraView™ Technology Optimizes CPU Load and Bandwidth Utilization when Displaying Multiple Cameras Simultaneously
- Maintains Aspect Ratio of Original Stream
- Supports Monitor-Wall Configurations When Used in Conjunction with an Endura® VCD5202
- Supports Alarm/Spot Monitor Capability, Including Sequencing, When Programmed with Endura Scripts
- Supports User-Specified Language Choices for User Interface Display



The **NET5402R-HD** is a high performance, multistream network decoder capable of displaying streams from IP cameras and video encoders compressed in standards-compliant MPEG-4 or H.264 baseline, main, or high profiles.

The **NET5402R-HD** uniquely addresses the requirements of real-time surveillance installations with the complexity introduced by today's IP and megapixel cameras. Each decoder can simultaneously decode and display up to sixteen MPEG-4 streams at 4CIF resolution, 30/25 ips; up to twelve H.264 baseline streams at 4CIF resolution, 30/25 ips; or two 1080p streams at 30 ips. When additional streams are displayed, the **NET5402R-HD** uses the patent-pending EnduraView™ technology to automatically seek out and display a second stream from the camera. The technology can also reduce the refresh rate automatically to minimize the impact on processing requirements and network overhead.

Different streams can be displayed in 1 x 1, 2 x 2, 3 x 3, 4 x 4, 1 + 5, 1 + 12, and 2 + 8 configurations for 4:3 aspect ratio monitors. In addition, 3 x 2 and 4 x 3 screen configurations are available for 16:9 aspect ratio monitors. Any combination of live and playback streams can be displayed simultaneously, including both live and playback streams from the same camera.

Each **NET5402R-HD** network decoder is capable of driving two high definition displays (monitor resolutions up to 2560 x 1600). The unit's monitors can be integrated into a video wall controlled by the VCD5202. The cameras and configurations of each monitor can be independently changed through the WS5000 or the VCD5202.

Finally, the **NET5402R-HD** supports audio output, allowing an operator to monitor audio transmitted by a camera.



TECHNICAL SPECIFICATIONS

MODELS

NET5402R-HD-US	HD network video decoder, North America
NET5402R-HD-AR	HD network video decoder, Argentina
NET5402R-HD-AU	HD network video decoder, Australia
NET5402R-HD-CN	HD network video decoder, China
NET5402R-HD-EU	HD network video decoder, Europe
NET5402R-HD-UK	HD network video decoder, United Kingdom

VIDEO

Maximum Monitor Resolution	2560 x 1600
Video Coding	MPEG-4, H.264 baseline, main, and high profiles
Video Display Modes	1 image, 4 images (2 x 2), 9 images (3 x 3), 16 images (4 x 4), 6 images (1 large + 5 small), 10 images (2 large + 8 small), 13 images (1 large + 12 small); High definition monitors can also display 6 images (3 x 2) and 12 images (4 x 3)
Decoding Performance	16X real-time MPEG-4 streams at 704 x 480/576; 12X real-time H.264 baseline profile streams at 704 x 480/576; 2X real-time H.264 baseline profile streams at 1080p
Video Outputs	2 DVI outputs (2 DVI-to-VGA adapters supplied)

NETWORK

Interface	Gigabit Ethernet RJ-45 port (1000Base-T)
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FRONT PANEL INDICATORS/FUNCTIONS

Power	Blue
Network Speed/Activity	Green, amber, red
Unit Status	Green, amber, red
Power Button	On, off (soft), off (hard)

POWER

Power Input	100 to 240 VAC, 50/60 Hz, autoranging
Power Supply	Internal
Power Consumption	Operating Maximum
100 VAC	170 W, 1.70 A, 580 BTU/H
120 VAC	170 W, 1.42 A, 580 BTU/H
240 VAC	170 W, 0.71 A, 580 BTU/H

ENVIRONMENTAL

Operating Temperature	50° to 95°F (10° to 35°C) (at unit air intake; front panel)
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

Note: The temperature at the unit air intake can be significantly higher than room temperature. Temperature is affected by rack configuration, floor layout, air conditioning strategy, and other issues. To prevent performance failure and unit damage, make sure the temperature at the unit is continuously within the operating temperature range.

PHYSICAL

Construction	Steel cabinet
Finish	
Bezel	Gray metallic with black end caps
Chassis	Black matte finish
Dimensions	20.8" D x 17.0" W x 1.7" H (52.8 x 43.2 x 4.3 cm)
Unit Weight	20.80 lb (9.4 kg)
Mounting	Desktop (feet) Rack, 1 RU per unit (Rack rails and hardware provided)

CERTIFICATIONS

- CE, Class A; meets EN50130-4 standard requirements
- FCC, Class A
- UL/cUL Listed
- C-Tick
- S Mark for Argentina
- CCC

SUPPLIED ACCESSORIES

Power Cord	1 power cord (based on country designation) Note: Units shipped to China do not include a power cord.
Rack Mount Kit	Brackets, rails, and hardware

OPTIONAL ACCESSORIES

WM5300	Vertical wall mount kit for one NET5308T set and one NET5308T-EXP unit; the WS5300 can also mount up to three NET5402R-HDs to a wall.
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RECOMMENDED ACCESSORIES

UPS	APC Smart-UPS with USB connection
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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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