



High Capacity NVR with Internal RAID

- Internal RAID 5 with capacities of 1.6, 3.3 or 6.5 TB
- Slimline package requires only 2 RU of rack space
- Preloaded with ViconNet Digital Video Management System software
- Open platform supports many 3rd party IP cameras and megapixel cameras
- Records up to 95 cameras (See chart below)
- Supports MPEG-4, M-JPEG, and H.264 compression algorithms

The ViconNet® NVR Shadow series, with internal RAID, is a powerful network video recorder running ViconNet VN-NVR-SW software on a Microsoft® Windows® XP operating system. It includes internal RAID 5 with an 8-bay, hot-swappable hard drive dock that is accessed from the front panel.

The VN-NVR software allows recording any video and audio passed from up to 95 separate cameras simultaneously on the PC's internal hard drive RAID.

Maximum Number of Cameras Supported per NVR Shadow

Resolution	ViconNet Quality	Recording Rate per Camera		
		30 fps	15 fps	7.5 fps
720 x 480	1	50	55	70
720 x 480	2	50	60	75
720 x 240	3	50	63	80
720 x 240	4	50	65	85
360 x 240	5	50	75	90
360 x 240	6	50	80	95
360 x 240	7	50	85	95
360 x 240	8	50	90	95

Models are available with 1.6 TB, 3.3 TB or 6.5 TB usable storage. Models are also available with Xeon® processor-based hardware.

Preloaded with ViconNet software, the NVR supports an open platform that allows integration with IP cameras, encoders and IP edge devices, including megapixel cameras, from numerous industry-leading manufacturers.

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Technical Specifications

OPERATING

Operating System:	Windows XP Embedded.
CPU:	Intel® Core™ 2 Duo 3.0 GHz or Intel Xeon™ Core 2 Quad 2.4 GHz.
RAM:	2 or 4 GB.
Hard Drive:	1.6, 3.3 or 6.5 TB depending upon model.
CD Drive:	Internal CD/RW drive.
LAN Interface:	100/1000Base-T Ethernet interface on main board.
Video Card:	On-board
Front Panel Controls/Indicators and Connectors:	Power on/off/reset switch, power on, network and hard drive activity LEDs, USB port.
Rear Panel Controls/Indicators and Connectors:	Power supply on/off switch, power receptacle, keyboard port mini-DIN type, mouse port mini-DIN type, network port RJ-45 connector, USB connectors, parallel port, serial (COM) port, speaker output mini phono-type.
Drive Bays:	Eight (8) total shock-mounted bays with front panel access.

ELECTRICAL

Input Voltage:	115/230 VAC, 50/60 Hz.
Current:	1.75 A @115 VAC; 0.875 A @ 230 VAC.
Power Consumption:	202 W.
Heat Equivalent:	11.5 btu/min (2.9 kg-cal/min).
Certifications:	FCC Class A; CE.

MECHANICAL

Mounting:	Rack mounted in a standard EIA compliant rack, 19 in. (483 mm) wide opening. Rack height is 3.5 in. (89 mm) or 2 RU. Rail kit provided.
Dimensions:	Height: 3.5 in. (89 mm). Width: 19.0 in. (483 mm). Depth: 28.0 in. (711 mm).
Weight:	Approx. 40 lb (18.2 kg).
Construction:	Heavy-duty Steel.
Color:	Black.

ENVIRONMENTAL

Operating Temperature Range:	32 to 104° F (0 to 40° C).
Operating Humidity Range:	0 to 95% relative, non-condensing.

Models, Product Codes and Descriptions

Model No.	Product Code	Description
VN-NVR-1600-R5	9652-00	Network Video Recorder; includes ViconNet Version 5 software used to view, record and configure video from IP video devices and Kolletor digital recorders, internal RAID (8 RAID 5 data drives) with 1.6 TB usable storage and Pentium-based hardware.
VN-NVR-3300-R5	9652-10	Network Video Recorder; includes ViconNet Version 5 software used to view, record and configure video from IP video devices and Kolletor digital recorders, internal RAID (8 RAID 5 data drives) with 3.3 TB usable storage and Pentium-based hardware.
VN-NVR-6500-R5	9652-20	Network Video Recorder; includes ViconNet Version 5 software used to view, record and configure video from IP video devices and Kolletor digital recorders, internal RAID (8 RAID 5 data drives) with 6.5 TB usable storage and Pentium-based hardware.
VN-NVR-1600P-R5	9652-05	Network Video Recorder; includes ViconNet Version 5 software used to view, record and configure video from IP video devices and Kolletor digital recorders, internal RAID (8 RAID 5 data drives) with 1.6 TB usable storage and Xeon-based hardware.
VN-NVR-3300P-R5	9652-15	Network Video Recorder; includes ViconNet Version 5 software used to view, record and configure video from IP video devices and Kolletor digital recorders, internal RAID (8 RAID 5 data drives) with 3.3 TB usable storage and Xeon-based hardware.
VN-NVR-6500P-R5	9652-25	Network Video Recorder; includes ViconNet Version 5 software used to view, record and configure video from IP video devices and Kolletor digital recorders, internal RAID (8 RAID 5 data drives) with 6.5 TB usable storage and Xeon-based hardware.