



V7000 Series Network Video Recorder

Vehicle Surveillance NVR

The V7000 Series Network Video Recorders (NVRs) are unique control and archive platforms targeted for special use IP video surveillance applications. The V700 series offers an automotive NVR solution with a rugged, mountable enclosure designed specifically for cars, boats, and electric carts. Having two cooling fans and a secure design, this case reduces humidity, heat, and dust in harsh environments.

The NVR integrates an intelligent PC automotive power supply unit to prevent system damage from power surges and eliminate car battery drain by monitoring car battery levels, even when the car is turned off. While in deep sleep mode, the power supply constantly monitors the car battery voltage levels, preventing deep discharge situations by automatically shutting down (using a built-in controller) until battery levels reach safe levels.

The V7000 family runs commercially available Digital Video Surveillance Management software, scales in both video processing power and archive capacity and comes with Microsoft Windows Operating System pre-installed. The V7000 series of products optimize performance for unique applications. With the ability to process up to 480 single CIF (320 x 240) images per second, depending on software package, the V7000 is ideally suited for automotive related applications. The NVR provides the ability to record and retrieve video and monitor alarms on a single application specific appliance.

Applications and Features

Applications:

- Law Enforcement Vehicles
- Rescue (Fire, EMS)
- Public and Private Transportation
- Boats
- Recreation Vehicles
- Commercial Trucks

Features:

- Intelligent Power Supply
- Expandable system memory
- Flexible video archive size: 20 GB to 100 GB
- Microsoft Windows® XP PRO Operating System
- Support for 1 to 4 Cameras

Common Configuration:

- **V7001:** 1.5 GHz VIA processor, 40 GB of raw storage, Windows XP PRO
- **V7002:** 1.66 GHz Intel Core2 Duo processor, 100 GB of raw storage, Windows XP PRO





ViSTA Networking Solutions

Specifications:

SYSTEM

Processor	VIA C7 x86 Class Low Power Processor or Intel Core2 Duo Mobile
Internal Memory	512MB to 1GB DDR RAM
Operating System	Windows XP Pro Service Pack 2
Video Archive Capacity	Up to 100 GB
Network Interface	1 10/100 Ethernet RJ-45 (1000BaseT)
Auxiliary Interfaces	4 USB Ports, 2 Front and 2 Rear ports

VIDEO

CIF Processing Equivalent	Up to 480 CIF/sec*
Resolution	QCIF to mega-pixel based camera spec
Display	1 output

POWER

Power Input	5.7 -30 V
Minimum Start Voltage	8V
Deep-Discharge Shutdown Threshold	11V
Power Supply	Internal
Power Consumption	90 watts
Timing Modes	8 ignition/shutdown timing modes (programmed at the factory)

ENVIRONMENTAL

Operating	0° to 50° C (32° to 120° F), 0% to 90% (non-condensing)
Storage	-40° to 70° C (-40° to 158° F), 5 to 95% (non-condensing)

PHYSICAL

Construction	5.5mm extruded aluminum. Plastic front panel.
Cooling	2 x 40mm brushless fans
Dimensions	(HxWxD) 2.2 x 8.32 x 10in. (not including fins) (HxWxD) 56 x 210 x 254mm. (not including fins)
Unit Weight (gross)	Approximately 12 lbs (5.5 kg.)

OPTIONS

Drives	Slim DVD/CDRW Combo Drive
Interfaces	IEEE 802.11g

*CIF/sec processing dependent on video surveillance management software package
Specifications subject to change without notice

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