



## 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 V7000 series offers an automotive NVR solution with a rugged, mountable enclosure designed specifically for cars, boats, trucks, buses and electric carts. A fanless 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 V700 series offers 4 or 8 PoE+ ports, 2 Gigabit Ethernet ports, WIFI, CAN bus and optional GPS communication.

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 OS resides on an internal mSATA card and the video repository consists of a single SSD or two SSD's with RAID 1 for data protection. One of the SSD's is mounted in a hot swap drive bay..

## Applications and Features

### Applications:

- Law Enforcement Vehicles
- Rescue (Fire, EMS)
- Public and Private Transportation
- Watercraft (moisture protection required)
- Recreation Vehicles
- Commercial Trucks



### Features:

- Intelligent Power Supply
- On-board CAN Bus
- Flexible video archive
- Microsoft Windows® 10 PRO Operating System
- Support for 1 to 8 Cameras
- 6<sup>th</sup> Generation Intel Core i7/i5/i3 CPUs

### Common Configuration:

- **V7030A3:** 2.3 GHz Intel i5 Processor, 250 GB of raw storage, Windows 10 PRO, 4 PoE+ Ports and WIFI



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## Specifications:

### SYSTEM

Processor	Intel 6 <sup>th</sup> Gen Core i7/i5/i3
Internal Memory	8GB to 32GB DDR RAM
Operating System	Windows 10 Professional
Video Archive Capacity	Up to 512 GB
Network Interface	2 Gigabit RJ-45 (1000Base-T)
Auxiliary Interfaces	4 USB 3.0

### I/O

CAN	CAN 2.0 Support
PoE+ (Camera Ports)	4 or 8 x IEEE 802.3af (25.5W) Gigabit PoE+ Ports
Default IP Address	192.168.1.166

### POWER-OVER-ETHERNET

Camera Ports	4 RJ-45 10/100 Mbps Ports
IEEE Standards	802.3af PoE Mode B up to 450mA (12.95W) per port
Isolated DIO	4x Isolated DI and 4 Isolate DO
USB	4x USB 3.0 ports and 4x USB 2.0 ports
Video	1x Stacked VGA + DVI-D Connector 2x DisplayPort connectors supporting 4K2K resolution
Serial Port	2x Software programmable RS-232/422/285 ports (COM1 & Com3) 1x RS232 port (COM2)

### POWER

Power Input	1x 3-pin pluggable terminal block for 8-35V DC input
Timing Modes	8 ignition/shutdown timing modes (programmed via BIOS)

### ENVIRONMENTAL

Operating	-25° to 70° C (32° to 120° F), 0% to 90% (non-condensing)
Storage	-40° to 85° C (-40° to 158° F), 5 to 95% (non-condensing)
Vibration	Operating, 5 Grms, 50500 Hz, 3 Axes
Shock	Operating, 50 Grms, Half-sine 11 ms duration

### PHYSICAL

Construction	Extruded aluminum
Dimensions	(HxWxD) 3.11 x 9.45 x 8.86in (HxWxD) 79 x 240 x 225 mm
Unit Weight (gross)	Approximately 7.7 lbs (3.5 kg.)

### OPTIONS

Drives	SSD or traditional spinning hard drive
Interfaces	GPS



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