



V7100 Series Network Video Recorder

Outdoor Surveillance NVR

The V7100 Series Network Video Recorders (NVRs) are unique control and archive platforms targeted for special use IP video surveillance applications. The V7101 is an outdoor NVR solution contained within a NEMA3R IP42 rated ventilated fiberglass enclosure. These boxes are rugged weatherproof enclosures that are ideal for both indoor and outdoor applications. Constructed from molded reinforced polyester, they are well suited for high temperature or corrosive environments. They boxes can be pole mounted as well as mounted to a flat surface. They feature a stainless steel continuous hinge, quick release latches with padlock hasps and have a full gasket within a raised lid. The incorporated NVR uses a rugged, mountable enclosure with cooling fans and a secure design. The NEMA enclosure provides interior airflow for component cooling and includes a mesh filter to afford an initial screen for dust and other particulates in harsh environments.

The 7100 family of Outdoor NVRs are available with optional hardened "integrated" networking components which can provide Cat 5/6 or Fiber connectivity. A typical integrated solution would include a 6 port 10/100 Ethernet switch which provides Cat 5/6 connectivity to 4 cameras and the NVR as well as leaving a spare port for in-the-field maintenance.

The V7100 product line runs commercially available Digital Video Surveillance Management software, scales in both video processing power and archive capacity and comes with Microsoft Windows XP PRO 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 V7100 is ideally suited for outdoor 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:

- Indoor and Outdoor installations
- Corrosive environments
- Hot temperature environments
- Protection of equipment from theft or damage
- Multi-camera recording
- Remote sites

Features:

- NEMA type 3R / IP42 rated
- Stainless steel quick release latches with padlock hasps
- Thermostat controlled cooling fan
- Removable filter
- Flexible video archive size: 20 GB to 100 GB
- Microsoft Windows® XP PRO Operating System
- Support for 1 to 4 Cameras



Common Configurations:

- **V7101:** 1.5 GHz VIA processor, 40 GB of raw storage, Windows XP PRO
- **V7102:** 1.5 GHz VIA processor, 40 GB of raw storage, Windows XP PRO, integrated 4 port Ethernet Switch



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

Voltage to NEMA Box	110 Volts AC
Power Input (NVR)	12 V
Power Supply	Internal
NVR Power Consumption	90 watts

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

Enclosure Construction	Fiberglass Reinforced Polyester
Cooling	2 x 40mm brushless fans
Outside Dimensions (NVR Only Enclosure)	15.5 x 13.5 x 8.7 inches (39.3 x 34.2 x 22 cm)
Interior Dimensions (NVR Only Enclosure)	13.5 x 11.5 x 5.8 inches (34.3 x 29.2 x 14.7 cm)
Unit Weight (gross)	Approximately 25 lbs (11.4 kg.)
Flame Rating	UL 94-5V
Ratings	NEMA 3R / IP42

OPTIONS

Drives	Slim DVD/CDRW Combo Drive
Interfaces	IEEE 802.11g
Networking	4-Port Hardened Ethernet Switch 6-Port Hardened Ethernet Switch Cat 5/6 Media converter for Fiber

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

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