



## 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 V7110 is an outdoor NVR solution contained within a NEMA3R IP42 rated ventilated fiberglass enclosure or NEMA4 IP64 rated enclosure with heating system. 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 NEMA3 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.

System wiring has been streamlined to simplify installation. Connect 110V AC and Cat 6 Ethernet to the “box” and run Cat 6 cables to cameras and that’s it.

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 7 Professional Operating System pre-installed. The V7000 series of products optimize performance for unique applications. With the ability to process up to 400 single VGA (640 x 480) 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
- Protection of equipment from theft or damage
- Multi-camera recording
- Remote sites

#### Features:

- NEMA type 4X / IP65 rated or NEMA 3
- Stainless steel quick release latches with padlock hasps
- Flexible video archive size: 20 GB to 1000 GB
- Microsoft Windows® 7 Professional Operating System
- Support for 1 to 4 Cameras
- Surge Suppressor



#### Common Configurations:

- **V7110:** 2.6 GHz Intel Dual Core Processor, 750 GB of raw storage, Windows 7 PRO, integrated 4 port Ethernet Switch



# ViSTA Networking Solutions

## Specifications:

### SYSTEM

Processor	Intel Dual Core Processor
Internal Memory	2GB to 4GB DDR RAM
Operating System	Windows 7 Professional
Video Archive Capacity	Up to 1000 GB
Network Interface	4 10/100 Mbps Ethernet RJ-45 (100Base-T) and 1 Gigabit RJ-45 (1000Base-T)
Auxiliary Interfaces	4 USB Ports: 2 USB 2.0 and 2 USB 3.0

### VIDEO

CIF Processing Equivalent	Up to 400 VGA/sec*
Resolution	QCIF to mega-pixel based camera spec
Display	1 Active Output: VGA and DVI Interfaces

### ETHERNET SWITCH

Camera Ports	4 RJ-45 10/100 Mbps Ports
IEEE Standards	<b>Camera Ports</b> 802.3 (10Base-T Ethernet) 802.3u (100Base-Tx Ethernet) 802.3u Auto-negotiation 802.3x Duplex and Flow Control 802.3q VLAN 802.3p Priority Tagging  <b>Gigabit Internal Port</b> 802.3ab (1000 Base-T Ethernet) 802.3q VLAN 802.3p Priority Tagging 802.3x Full Duplex Operation
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
Features	PD Detection and Classification Over / Under Voltage Protection AC Disconnection Monitoring Current Foldback

### 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 55° C (32° to 132° F), 0% to 90% (non-condensing)
Storage	-40° to 70° C (-40° to 158° F), 5 to 95% (non-condensing)



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## PHYSICAL

Enclosure Construction	Fiberglass Reinforced Polyester
Cooling	2 x 40mm brushless fans
Outside Dimensions (NVR Only Enclosure)	19.5 x 17.5 x 9 inches (49.5 x 44.4 x 22.8 cm)
Interior Dimensions (NVR Only Enclosure)	17.7 x 15.7 x 8.5 inches (44.9 x 39.9 x 21.6 cm)
Unit Weight (gross)	Approximately 25 lbs (11.4 kg.)
Flame Rating	UL 94-5V
Ratings	NEMA 4X / IP65

## OPTIONS

Drives	2.5" SATA II
Interfaces	IEEE 802.11g
Networking	Cat 5/6 Media converter for Fiber DSL Modem Wireless Access Point

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

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