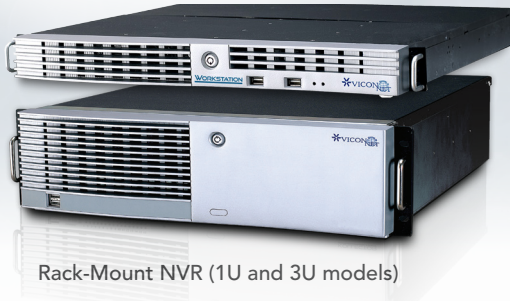**VICON**

Vicon-Certified NVRs Pre-Loaded with ViconNet Software

Rack-Mount NVR (1U and 3U models)

Desktop NVR/Workstation

Product at a Glance

- Configured with ViconNet Video Management NVR Software (VMS)
- SAN Model model for external RAID applications
- Desktop NVR has 1 internal drive bay for storage
- 3U NVR has 4 internal drive bays for storage
- USB PTZ control keyboard available
- Multi-language application
- Advanced video authentication
- Integration with third-party management software using software development kit (SDK)

ViconNet® NVRs are high-capacity Network Video Recorders that enable you to simultaneously capture, view and store high-quality, high resolution voice, video and data for a comprehensive security solution. The ViconNet Workstation is essentially the same machine without recording capability. It is intended for use as a remote operator workstation. The NVRs and workstation help security organizations reduce system ownership costs, streamline operations and deliver more effective security.

Built for Reliability, Usability, and Low Cost of Ownership

Proven in daily operation in thousands of customer installations worldwide, these Vicon® certified NVRs and workstations feature an operating system designed for enhanced security and superior reliability. The ViconNet software that powers the systems, offered at the ZONE or PEAK level, provides an open platform that allows integration with NVRs, IP cameras, including megapixel cameras, encoders and IP edge devices from numerous, industry-leading manufacturers.

Powerful VMS Software

ViconNet Video Management System software provides outstanding functionality and an intuitive interface for administrators, security managers and system operators anywhere on the network. Multi-site users, in particular, benefit from the efficiency of enterprise management options.

Scalability

The NVRs provide scalable, internal storage for small, medium and large-scale installations. The system is designed to scale to thousands of cameras with additional NVRs, workstations, Kollector® DVRs or any of the ViconNet VMS products. The NVRs are available in both desktop and rack-mount configuration*. Both the desktop and the rack-mount units are available without any internal storage drives and configured for external SAN-RAID storage using an iSCSI network connection. ZONE models are available with internal storage, as well as the NVR Shadow, that provides internal RAID in a variety of storage sizes.

*Number of cameras that can record depends on license type, resolution, quality and fps settings.

*The 1U NVR is designed for SAN-RAID applications. The 3U rackmount NVR has 4 internal hard drive bays for storage of video.

SPECIFICATIONS

ZONE/PEAK NVR/Workstation
(Minimum PC Specifications)

Operating System:	Microsoft® Windows® 7 Embedded*, 64 bit.
CPU:	Intel® Core™ i5 processor.
Memory:	4 GB.
DVD Drive:	1 Internal DVD drive
Ports:	USBs, Monitors (VPK-SAN unit provides 2 RJ-45 connectors). If RS-232/Serial (COM) connection is required, a USB to Serial converter is needed, VRS232-USB-CD.
Operating System Drive:	250 GB SATA-II
NVR Storage:	Internal up to 24 TB, model dependant. Note that Vicon certifies DVR and NVR drives on a continual basis, therefore capacities will change frequently.
Network Interface:	100/1000 Base T Ethernet interface on main board.
Certifications:	FCC Class A.

Environmental

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

Note: Vicon requires the use of uninterruptible power supply systems (UPS) to prevent voltage fluctuations that can affect operation and cause damage to the equipment. Failure to comply voids the warranty.

Warranty

3 years parts and labor.

* If a full Windows O.S. is required, contact your Vicon Sales Representative.

Electrical

Input Voltage:	105-240 ±10% VAC, 50/60 Hz.
Current:	0.66 A @ 115 VAC; 0.33 A @ 240 VAC.
Power Consumption:	76 W nominal.
Heat Output:	266 btu/hour.
Power Connector:	Standard 3-conductor female socket.

Mechanical

Application:	Indoor.
Mounting:	Standard mini ITX chassis desktop or 19 in. (483 mm) rack-mount, 1/3 RU height.
Dimensions:	1U Rack-Mount: 44.45 mm H x 483 mm W x 394 mm D, without connectors; 406 mm D, including connectors. 3U Rack-mount: 133 mm H x 432 mm W x 600 mm D, including connectors. Desktop: 167.5 mm H x 44 mm W x 167.5 mm D.
Weight:	Rack-Mount: Approximately 18.2 lb (8.3 kg). Desktop: Approximately 8.1 lb (3.7 kg).
Construction:	Steel and plastic.

Options and Accessories

	Description	Model Number
	USB Keypad	VN-KEYPAD
	External Storage	VN-SAN Series
	Annual Software Maintenance Programme	VPK-MAINT-SWV8 VZN-MAINT-SWV8

Ordering Information

Model	Mounting Type	Internal HDD Bays for storage	Internal DVD	Recording Capability	Model Number
Workstation Preconfigured with ViconNet Software	Desktop	No database drives	Yes	No recording capability	VWS-PCV8
	Rack-mount	No database drive	Yes		VWS-PCV8-RK
PEAK NVR Preconfigured with ViconNet Software	Desktop	1	Yes (Not on 1U NVR)	Software License has no camera restriction; Recording number of cameras depends on resolution and quality	VPK-NVR-V8* VPK-SANV8
	Rack-mount	3U: 4 1U: 2			VPK-NVR-V8-RK* VPK-SANV8-RK
ZONE NVR Preconfigured with ViconNet Software	Desktop	1	Yes	Software License Supports 16 or 35 cameras	VZN-16-XTBV8* VZN-35-XTBV8*
	Rack-mount	4			VZN-16-XTBV8-RK* VZN-35-XTBV8-RK*

*The "NVR" or "XTB" is replaced with the actual storage when ordered with hard drives. For example, an NVR with 4 TB storage would have a model of VPK-4TB-V8.
The "SAN" models are configured for use with external SAN-RAID storage.

VICON

www.vicon-security.com