

## VICONNET NETWORK VIDEO RECORDERS AND WORKSTATIONS



Rack-Mount Unit



- Configured with ViconNet PEAK Video Management Software (VMS)
- Scalable from one to hundreds of recorders
- Support for HD video and megapixel cameras
- Support for third-party network cameras
- Record up to 95 cameras\* on a single NVR
- Windows operating system for enhanced security and reliability
- M-JPEG, MPEG-4 and H.264 compression
- High-capacity internal storage (NVRs)
- Multi-language application
- Advanced video authentication
- Integration with third-party management software using software development kit (SDK)
- External RAID 5 Storage Area Network capability (NVRs)

The ViconNet® NVR is a high-capacity, Network Video Recorder that enables 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 NVR and workstation help security organizations reduce system ownership costs, streamline operations and deliver more effective security.

\*Depending on resolution, quality and fps settings



Desktop Unit

### Built for Reliability, Usability, and Low Cost of Ownership

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

### Powerful VMS Software

ViconNet PEAK 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 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. As an alternative option, the NVR Shadow is available that provides internal RAID in a variety of storage sizes.

\*The desktop and 1U rack-mount versions support up to a certain drive size. Larger drive capacity is available, but may require a larger tower or 2U chassis. Contact your Vicon Sales representative.

## NVR or Workstation

Operating System:	Microsoft® Windows® 7 Embedded*, 64 bit.
CPU:	Intel® Core™ i5 processor.
Memory:	4 GB.
DVD Drive:	Internal DVD drive not available on most units. External USB DVD can be used. Refer to Ordering Information table.
Ports:	USBs, Monitors (DVI-I and HDMI), RJ-45 (VN-NVR-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 0.5, 1, 2, 3, 5 or 6 TB, depending upon model. 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.

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

## Environmental

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

## 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.

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.

## Mechanical

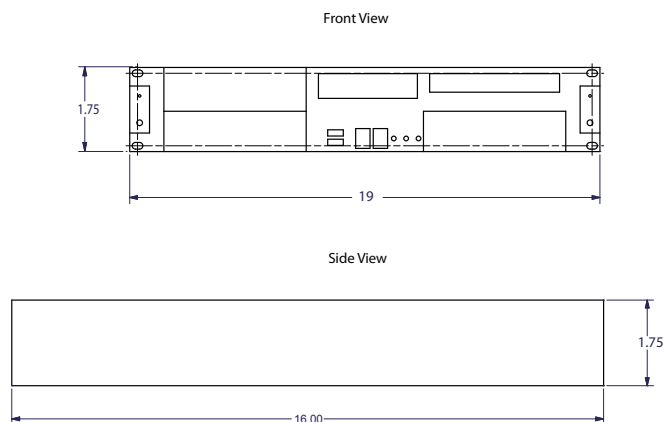
Application:	Indoor.
Mounting:	Standard desktop or 19 in. (483 mm) rack-mount, 1 RU height.
Dimensions:	Rack-Mount: 1.75" (44.45 mm) H x 19" (483 mm) W x 16" (406 mm) D. Desktop: 6.59 in. (167.5 mm) H x 2.13 in. (44 mm) W x 6.59 in. (167.5 mm) D.
Weight:	Rack-Mount: Approximately 18.2 lb (8.3 kg). Desktop: Approximately 8.1 lb (3.7 kg).
Construction:	Steel and plastic.

## Warranty

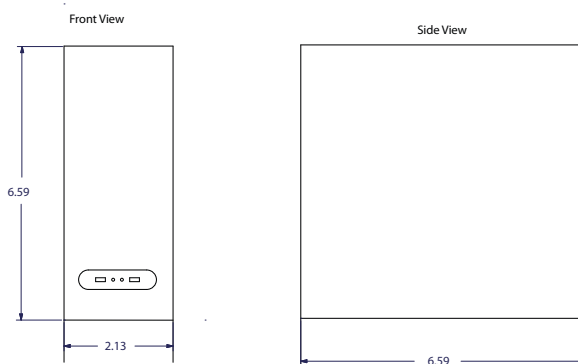
3 years parts and labor.

## Dimensional Data

### Rack-Mount



### Desktop



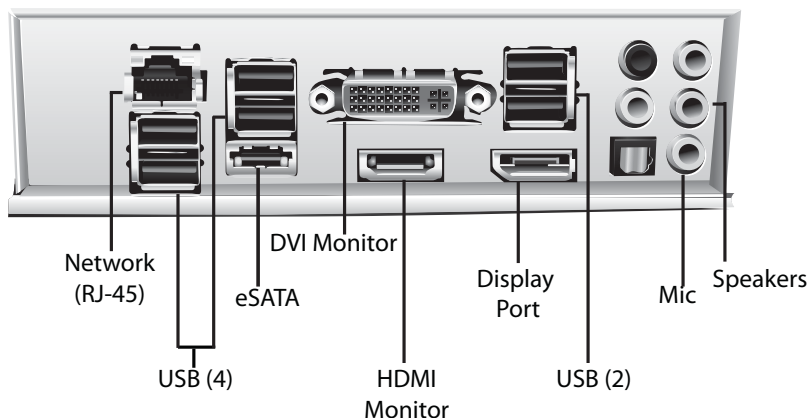
Data Sheet Number: V225-02-00  
Dated: 6/2014

Vicon Data Sheet Part Number: 8009-7225-02-00  
Specifications subject to change without notice.

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## Controls and Connectors

Note that mother boards are subject to change and the current rear panel may differ slightly but will be similar. VN-NVR-SAN models provide two network (RJ-45) ports, one for standard communication and the other for connection to an iSCSI device.





## Ordering Information

Model	Mounting Type	HDD Sizes (TB)	SSD	Internal DVD	Recording Capability	Model Number
Workstation Preconfigured with ViconNet Software	Desktop	No database drives	Standard	Yes	No recording capability	VWS-PCV7
	Rack-mount	No database drive		No		VWS-PCV7-RK
NVR Preconfigured with ViconNet Software	Desktop	1, 2, 3, 5, 6	Standard	No	Record up to 95 cameras (depending on resolution and quality)	VPK-XTBV7*
	Rack-mount	1, 2, 3, 5, 6				VPK-XTBV7-RK*

\*XTB indicates the hard drive size in TB. For example, an NVR with 1 TB storage would have a model of VPK-1TBV7. The desktop versions and 1U rack-mount versions support up to 6 TB drive size. Larger drive capacity is available, but may require a larger tower or 2U chassis. Contact your Vicon sales representative.

## Options and Accessories

	Description	Model Number
	Network Control Keypad. Used to control ViconNet digital video management systems, including Virtual Matrix Display Controller (VMDC) over an IP network or serial connection.	V1500X-SCCS-1
	External Storage Options. Vicon offers a variety of external storage options using SAN and other technologies. Refer to the website for more information.	VN-SAN Series