

Vicon-Certified NVRs Pre-Loaded with ViconNet Software



Product at a Glance

- ▶ Configured with ViconNet Video Management NVR Software (VMS) - JUMP, ZONE or PEAK
- ▶ Support for HD video and megapixel cameras
- ▶ Support for third-party network cameras
- ▶ **Significantly higher channel density***
- ▶ 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)

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, 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 (mini PC) 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. 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.

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

VICONNET NVRS
SPECIFICATIONS

PEAK NVR/Workstation
(Minimum PC Specifications)

Operating System:	Microsoft Windows 10, 32 bit and 64 bit.
CPU:	Intel® Core™ i5 processor.
Memory:	8 GB (Windows 10).
DVD Drive:	Internal DVD drive not available on most units. External USB DVD can be used. Refer to Ordering Information table.
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 12 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.

* 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.

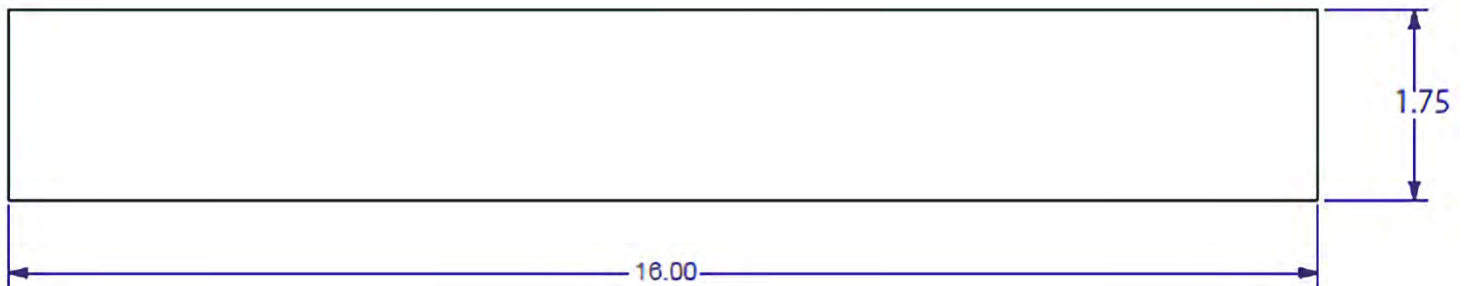
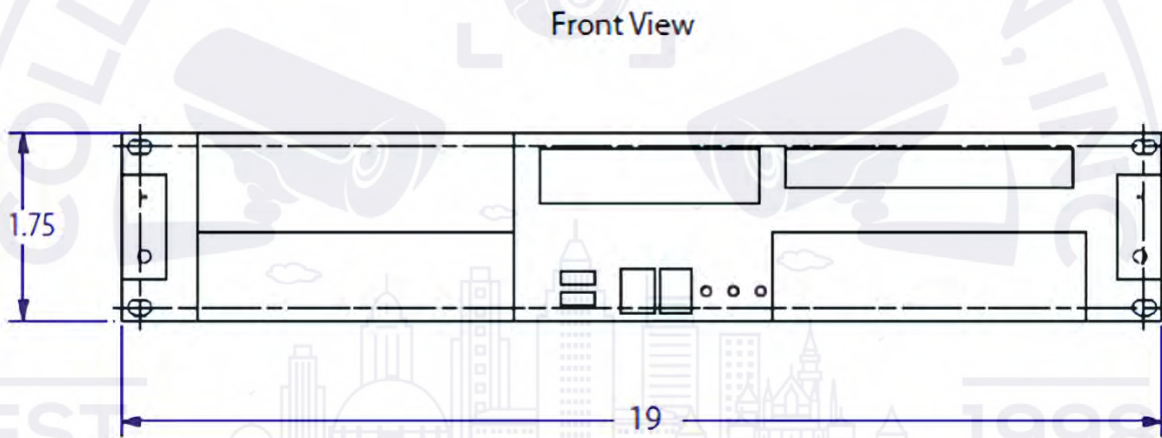
Mechanical

Application:	Indoor.
Mounting:	Standard mini ITX chassis desktop or 19 in. (483 mm) rack-mount, 1 RU height.
Dimensions:	Rack-Mount: 1.75" (44.45 mm) H x 19" (483 mm) W x 15.5" (394 mm) D, without connectors; 16" (406 mm) D, including connectors. 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.

Environmental

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

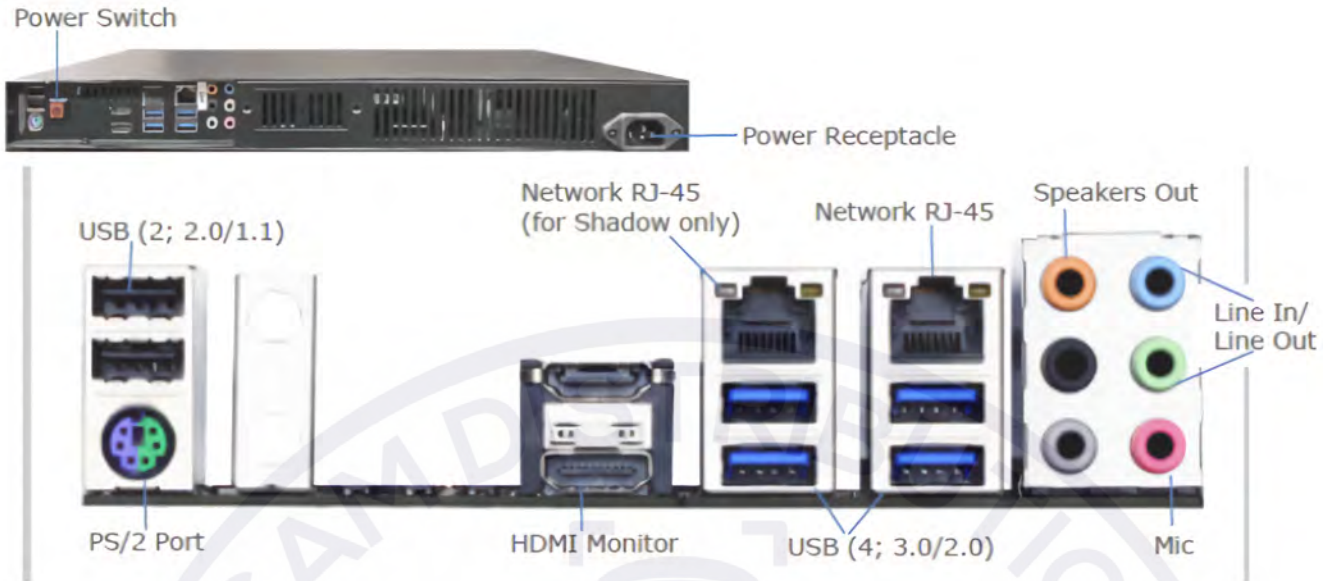
PEAK Dimensional Drawings



VICONNET NVRS

Controls and Connectors

Note that mother boards are subject to change and the current rear panel may differ slightly but will be similar. VPK-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)	Internal DVD	Recording Capability	Model Number
PEAK NVR Preconfigured with ViconNet Software	Desktop	Up to 12 No database HDD; for use with external SAN	No	Recording number of cameras depends on resolution and quality	VPK-SANV8-A
	Rack-mount	Up to 12 No database HDD; for use with external SAN			VPK-SANV8-A-RK

*XTB indicates the hard drive size in TB. For example, an NVR with 1 TB storage would have a model of VPK-1TBV8-A. The desktop versions and 1U rack-mount versions support up to 12 TB drive size. The "SAN" models are configured for use with external SAN-RAID storage. Larger drive capacity is available, but may require a larger tower or 2U chassis. Contact your Vicon sales representative.

Distributed By

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Specifications subject to change without notice.

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