Vicon-Certified NVRs Pre-Loaded with ViconNet Software

Rack-Mount NVR/Workstation

Desktop NVR/Workstation

JUMP NVR

- 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
- 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)

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.

*Depending on license type, resolution, quality and fps settings

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 JUMP, 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 (mini PC/mini ITX chassis) 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.

*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.

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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:	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 1, 2, 3, 5 or 6 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.

JUMP NVR* (Minimum PC Specifications)

Operating System:	Microsoft® Windows® 7 Embedded, 64 bit.
CPU:	Intel® Atom™ D525 processor.
Memory:	2 GB.
Ports:	USB (4), Monitor (VGA and HDMI†), RJ-45, Audio (Mic In, Audio Out - side), eSATA (side), Memory Card (side).
Operating System Drive/Storage:	1 TB SATA-II.
Graphics:	Enhanced NVIDIA HD.
Network Interface:	10/100 LAN.
Certifications:	FCC Class A.

*Not intended to support local display.
†Monitor (display) outputs for setup and configuration purposes only.

Electrical

Input Voltage:	100-240 VAC; 50/60 Hz; 19 VDC power supply provided.
Current:	1.5 A @ 100-240 VAC. 3.42 A @ 19 VDC, max.
Power Consumption:	172.5 W @ 115 VAC. 60 W from 19 VDC power supply.
Heat Output:	604 btu/hour @ 115 VAC, 210 btu/hour @ 19 VDC.
Power Connector:	Jack for power supply provided.

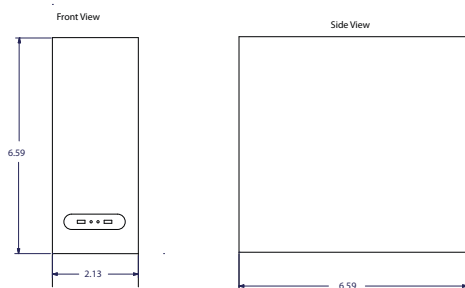### Mechanical

Application:	Indoor.
Mounting:	Desktop (vertical chassis stand) or VESA bracket.
Dimensions:	0.98 in. (25 mm) H x 7.48 in. (190 mm) W x 5.9 in. (150 mm) D.
Weight:	1.2 lb (0.5 kg).
Construction:	Steel and plastic.

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.
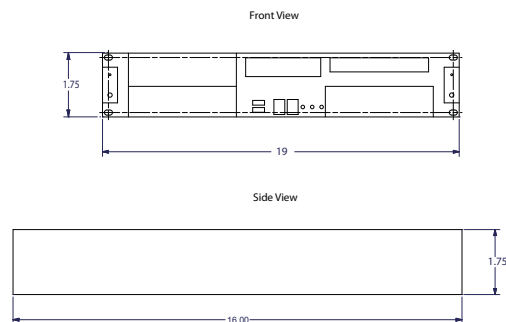
Warranty
3 years parts and labor.

ZONE/PEAK Dimensional Drawings

Front View — Side View — 6.59 — 2.13 — 6.59

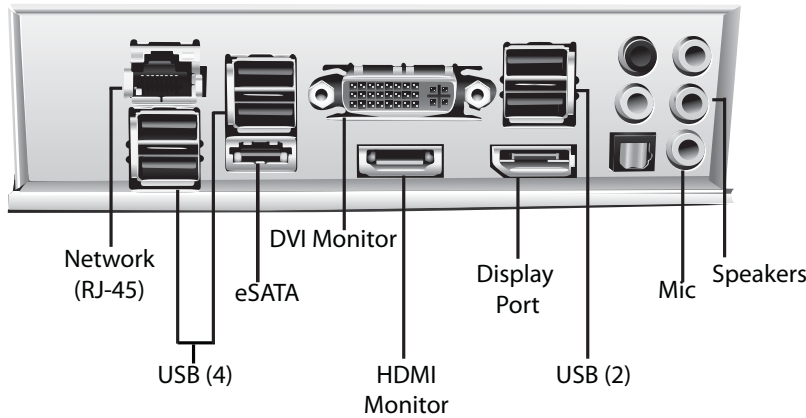Rack-Mount — Front View — 1.75 — 19 — Side View — 1.75 — 16.00

Desktop

Data Sheet Number: V225-03-01
Dated: 8/2015

Vicon Data Sheet Part Number: 8009-7225-03-01
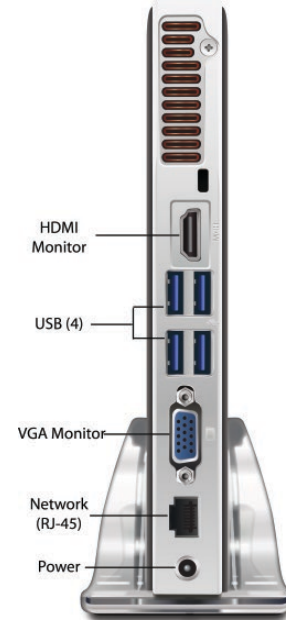Specifications subject to change without notice.

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.

ZONE/PEAK Rear Panel

JUMP Rear Panel

Ordering Information

Model	Mounting Type	HDD Sizes (TB)	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	No		VWS-PCV8-RK
PEAK NVR Preconfigured with ViconNet Software	Desktop	1, 2, 3, 5, 6 No database HDD; for use with external SAN	No	Record up to 95 cameras (depending on resolution and quality)	VPK-XTBV8* VPK-SANV8
	Rack-mount	1, 2, 3, 5, 6 No database HDD; for use with external SAN			VPK-XTBV8-RK* VPK-SANV8-RK
ZONE NVR Preconfigured with ViconNet Software	Desktop	1, 2, 3, 5, 6	No	Supports 16 or 24 cameras model dependant	VZN-16-XTBV8* VZN-24-XTBV8*
	Rack-mount	1, 2, 3, 5, 6			VZN-16-XTBV8-RK* VZN-24-XTBV8-RK*
JUMP NVR Preconfigured with ViconNet Software	Desktop	1	No	Supports 6 cameras	VJP-1TBV8

*XTB indicates the hard drive size in TB. For example, an NVR with 1 TB storage would have a model of VPK-1TBV8.
The desktop versions and 1U rack-mount versions support up to 6 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.

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