ViconNet ZONE
Software and NVR

- ViconNet Video Management Software (VMS) for single NVR-based systems
- Supports up to 9, 16 or 24 cameras
- Available preloaded on NVRs
- Bundled packages with NVR and cameras available
- Support for HD video and megapixel cameras
- Support for third-party network cameras
- Can be used with Vicon's Virtual Matrix Display Controller
- Integration with third-party access control software

Powerful VMS in Medium-Sized Packages

Vicon's release of ViconNet® video management software version 6.6 offers options for customers seeking small or medium-sized NVR-based video management systems. It is available in three levels: ViconNet JUMP ZONE and PEAK. ViconNet ZONE, VN-SW-ZONE, is software that supports up to nine (9), sixteen (16) or twenty-four (24) network cameras from a single NVR; camera licensing is required.

ViconNet ZONE offers all the performance and features of the open platform enterprise-scale software, limited to a single NVR system. Refer to the ViconNet VMS datasheet for complete information on ViconNet features. It is available as software only or preloaded on a choice of desktop or rack-mount NVRs.

ViconNet software provides outstanding functionality and an intuitive interface for administrators, security managers and system operators anywhere on the network. ViconNet ZONE easily integrates with third party access control software. It can be used is conjunction with Vicon's Virtual Matrix Display Controller (VMDC) and is compatible with other workstations and NVRs.

The NVRs provide 1 or 2 data drives for a variety of internal storage capacities*. The unit is compatible with a range of external SAN-RAID storage units using an iSCSI network connection; models with internal RAID are also available. Additionally, the ZONE is offered in a range of cost-effective packages that include pre-loaded NVRs and six cameras. It is also possible to upgrade from a 9-camera to a 16-camera or a 16-camera to a 24-camera ZONE or upgrade to a ViconNet PEAK.

*Larger drive capacity may require a large tower chassis. Refer to the table of models and descriptions for a complete list of models available.

Minimum PC Requirements

Hardware:	Intel® Core™ i5 processor, 2-4 GB of RAM and 5 GB of disk space. Display Adapter: 256 MB RAM onboard, min. Workstations are available from Vicon or may be COTS equipment.
Operating System:	Microsoft® Windows® XP Professional 32 or 64-bit; Microsoft Vista 32-bit; Microsoft Windows 7 Professional 32 or 64-bit; Windows 2003 or 2008 Server.

Functions and Features

Supported Compression:	H.264, ViconNet optimized MPEG-4 and JPEG (Normal and Full).
Transmission:	Unicast and multicast.
Displays:	Supports 16 x 9 and 16 x 10 wide screen as well as 4 x 3 standard viewing at a variety of resolutions.
Third Party Camera Support:	List available at vicon-security.com/cam-support.
Main Window Screen:	A multi-channel display area containing up to 16 connected cameras and microphones and all necessary controls to operate and set up the system.
Graphical Map:	Supports realistic camera location (a Workstation with a dual output VGA will allow showing the map on a dedicated monitor while viewing video on the other).
Site List:	A physical list of all known network Site areas and connected cameras and microphones.
Play From Time:	Call up images from any database on the network from Main Screen.
Navigator Window:	A graphical display of recorded video. It contains a set of function buttons used to access the video on-screen.
Network and Sites Configuration:	Allows administrator to set up all IP address information and a system Nucleus and Backup Nucleus.
Macro Capabilities:	Macros can be defined for recorded or displayed/played cameras, microphones and related devices (sensors).
Device Configuration:	Devices can be configured for system recognition and operation.
Authorization Rights Setup:	Group rights can be configured by specific site and user. Rights provide authority to perform limited or all system functions.
Log Reporting:	Continuously running activity log.
Alarm Capabilities:	Alarms can be programmed to annunciate under special conditions.

Storage Database Utilities:	Allows setup and usage of detected hard disks locally, including high-capacity iSCI network storage devices.
Authentication:	ViconNet uses a 128-bit MD5 type video authentication algorithm to verify exported video data integrity.
Central Failure Notification (CFN):	Fault reporting system that provides application and hardware failure information to all DVRs and NVRs connected to the system.
Events Management System (EVM):	Enables ViconNet to interface with an external system's database, for example, an access control, point-of-purchase, intrusion monitoring or license plate recognition (LPR) system.
Museum Search:	Enables an operator to define a region within a specific Vicon camera's field-of-view, for example, a door, for indexing. This accelerates searching for a specific incident.
Recording Verification System:	Ensures continuous recording by notifying users of any recording errors, both locally and over the network.
Archive Wizard and Player:	Creates authenticated archives and saves to any location or removable media. The video clip is playable using the embedded ViconNet player.
Video Vault:	Allows any event that was tagged as an alarm (VMD, video loss, dry contact or from the Events Management system) to be saved to a separate database, where it cannot be overwritten by the system.
Authorization Copy and Duplicate:	Provides the ability to send authorization settings to other Workstations so they do not have to be programmed separately.
Enhanced Logs:	Logs that are exported from ViconNet also contain Windows and setup logs, providing more troubleshooting information when diagnosing system problems.
Camera Licensing:	Camera licenses required.

VN-NVR-ZONE

Operating System:	Microsoft Windows 7 Embedded*, 64 bit.
CPU:	Intel Core i5.
Memory:	4 GB.
Ports:	RJ-45; 8 USB (6 rear, 2 front), eSATA, Monitor (HDMI and DVI), Audio (mic in/speaker out), Display Port.
Operating System Drive:	40 GB SATA II SSD.
NVR Storage:	1 or 2 TB.
Certifications:	FCC Class A.

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

Electrical

Input Voltage:	100 - 240 VAC.
Current:	Desktop: 0.4 A @ 115 VAC. Rack-Mount (1U): 0.63 A @ 115 VAC. Tower/Rack-Mount (2U): 1.75 A @ 115 VAC.
Power Consumption:	Desktop: 36.6 W nominal. Rack-Mount (1U): 72.5 W. Tower/Rack-Mount (2U): 202 W nominal.
Heat Output:	Desktop: 128 btu/hour. Rack-Mount (1U): 254 btu/hour. Tower/Rack-Mount (2U): 707 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

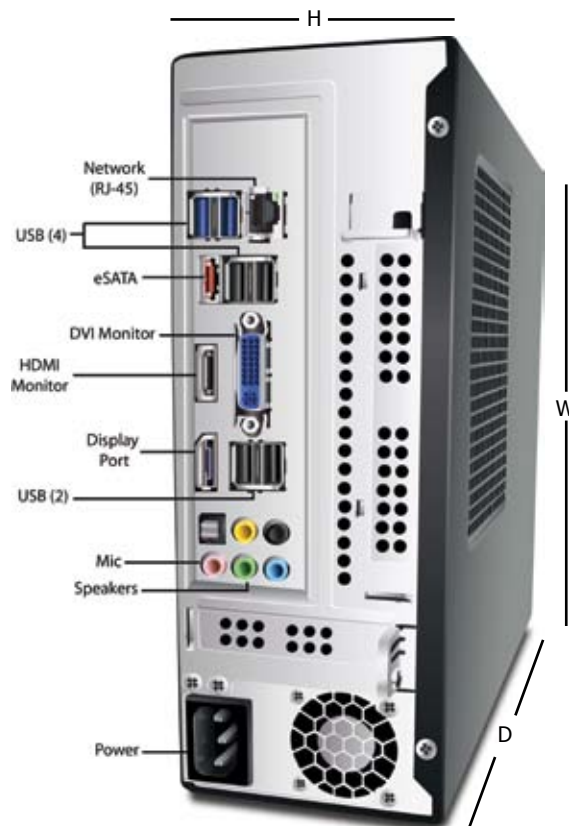|	
Application:	Indoor.
Mounting:	Desktop, tower or rack-mount versions.
Dimensions:	Desktop: 6.59 in. (167.5 mm) H x 2.13 in. (44 mm) W x 6.59 in. (167.5 mm) D. Tower: 16.25 in. (413 mm) H x 7.25 in. (184 mm) W x 18.9 in. (480 mm) D. Rack-Mount (1U): 1.75 in. (44.45 mm) H x 19 in. (483 mm) W x 16 in. (406 mm) D, including connectors. (2U): 3.5 in. (89 mm) H x 19 in. (483 mm) W x 28 in. (711 mm) D, including connectors.
Weight:	Desktop: Approximately 8.1 lb (3.7 kg). Tower: Approximately 30 lb (13.6 kg). Rack-Mount (1U): Approx. 16.5 lb (7.5 kg). Rack-Mount (2U): Approx. 40 lb (18.2 kg).
Construction:	Steel and plastic.

Environmental

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

Warranty

3 years parts and labor.

Controls and Connectors

Note that mother boards are subject to change and the current rear panel may differ slightly but will be similar.
Desktop version shown; rack-mount version connections are similar.

Software

Description	Model Number
ViconNet ZONE software. Supports up to 16 cameras.	VN-SW-ZONE-16
ViconNet ZONE software. Supports up to 24 cameras.	VN-SW-ZONE-24
Third party camera license; one license per camera	VN-CAM-LIC-ZONE

NVRs

Description	Model Number
Preconfigured desktop 16-channel NVR preloaded with ViconNet ZONE software; 1 TB storage	VN-NVR-ZONE-16-1TB
Preconfigured 1U rack-mount 16-channel NVR preloaded with ViconNet ZONE software; 1 TB storage	VN-NVR-ZONE-16R-1TB
Preconfigured desktop 16-channel NVR preloaded with ViconNet ZONE software; 2 TB storage	VN-NVR-ZONE-16-2TB
Preconfigured 1U rack-mount 16-channel NVR preloaded with ViconNet ZONE software; 2 TB storage	VN-NVR-ZONE-16R-2TB
Preconfigured tower 16-channel NVR preloaded with ViconNet ZONE software; 3 TB storage	VN-NVR-ZONE-16-3TB
Preconfigured 1U rack-mount 16-channel NVR preloaded with ViconNet ZONE software; 3 TB storage	VN-NVR-ZONE-16R-3TB
Preconfigured tower 16-channel NVR preloaded with ViconNet ZONE software; 4 TB storage	VN-NVR-ZONE-16-4TB
Preconfigured 1U rack-mount 16-channel NVR preloaded with ViconNet ZONE software; 4 TB storage	VN-NVR-ZONE-16R-4TB
Preconfigured tower 16-channel NVR preloaded with ViconNet ZONE software; 5 TB storage	VN-NVR-ZONE-16-5TB
Preconfigured 1U rack-mount 16-channel NVR preloaded with ViconNet ZONE software; 5 TB storage	VN-NVR-ZONE-16R-5TB
Preconfigured tower 16-channel NVR preloaded with ViconNet ZONE software; 6 TB storage	VN-NVR-ZONE-16-6TB
Preconfigured 1U rack-mount 16-channel NVR preloaded with ViconNet ZONE software; 6 TB storage	VN-NVR-ZONE-16R-6TB
Preconfigured desktop 24-channel NVR preloaded with ViconNet ZONE software; 1 TB storage	VN-NVR-ZONE-24-1TB
Preconfigured 1U rack-mount 24-channel NVR preloaded with ViconNet ZONE software; 1 TB storage	VN-NVR-ZONE-24R-1TB
Preconfigured desktop 24-channel NVR preloaded with ViconNet ZONE software; 2 TB storage	VN-NVR-ZONE-24-2TB
Preconfigured 1U rack-mount 24-channel NVR preloaded with ViconNet ZONE software; 2 TB storage	VN-NVR-ZONE-24R-2TB
Preconfigured tower 24-channel NVR preloaded with ViconNet ZONE software; 3 TB storage	VN-NVR-ZONE-24-3TB
Preconfigured 1U rack-mount 24-channel NVR preloaded with ViconNet ZONE software; 3 TB storage	VN-NVR-ZONE-24R-3TB
Preconfigured tower 24-channel NVR preloaded with ViconNet ZONE software; 4 TB storage	VN-NVR-ZONE-24-4TB
Preconfigured 1U rack-mount 24-channel NVR preloaded with ViconNet ZONE software; 4 TB storage	VN-NVR-ZONE-24R-4TB
Preconfigured tower 24-channel NVR preloaded with ViconNet ZONE software; 5 TB storage	VN-NVR-ZONE-24-5TB
Preconfigured 1U rack-mount 24-channel NVR preloaded with ViconNet ZONE software; 5 TB storage	VN-NVR-ZONE-24R-5TB
Preconfigured tower 24-channel NVR preloaded with ViconNet ZONE software; 6 TB storage	VN-NVR-ZONE-24-6TB
Preconfigured 1U rack-mount 24-channel NVR preloaded with ViconNet ZONE software; 6 TB storage	VN-NVR-ZONE-24R-6TB
Preconfigured 2U rack-mount 16-channel NVR with internal RAID5 preloaded with ViconNet ZONE software; 6.5 TB usable storage	VN-NVR-ZONE16-65-R5
Preconfigured 2U rack-mount 16-channel NVR with internal RAID5 preloaded with ViconNet ZONE software; 13 TB usable storage	VN-NVR-ZONE16-13-R5
Preconfigured 2U rack-mount 16-channel NVR with internal RAID5 preloaded with ViconNet ZONE software; 17 TB usable storage	VN-NVR-ZONE16-17-R5
Preconfigured 2U rack-mount 24-channel NVR with internal RAID5 preloaded with ViconNet ZONE software; 6.5 TB usable storage	VN-NVR-ZONE24-65-R5
Preconfigured 2U rack-mount 24-channel NVR with internal RAID5 preloaded with ViconNet ZONE software; 13 TB usable storage	VN-NVR-ZONE24-13-R5
Preconfigured 2U rack-mount 24-channel NVR with internal RAID5 preloaded with ViconNet ZONE software; 17 TB usable storage	VN-NVR-ZONE24-17-R5

Note: Internal RAID models available configured to RAID6. Ask your Vicon representative for details.