VICON

2015
Vicon Video Management Solution Guide

Vicon is an experienced designer and manufacturer of video management software, high-performance megapixel IP cameras, video storage solutions and access control systems and is unrivaled in its experience in the surveillance market. Vicon combines a complete security solution with a vast team-ecosystem of business and technology partners to bring the most comprehensive security solution to the market. Vicon is dedicated to driving innovative technology and enabling users to deliver enhanced security protection and monitoring.

VICONNET — **A feature-rich interface, reliable performance, and fully scalable system, ViconNet® 8 allows for customization and compatibility with a wide range of ONVIF-S compliant hardware. ViconNet 8 seamlessly integrates with the Express line of DVRs and NVRs, as well as providing full support of our VAX access control system. Any device in the system that offers edge recording and playback is supported by the ViconNet VMS. The Archive Wizard allows the creation of authenticated archives directly from the camera, to be saved in any location. An option to maximize resolution for display on any monitor is available.**
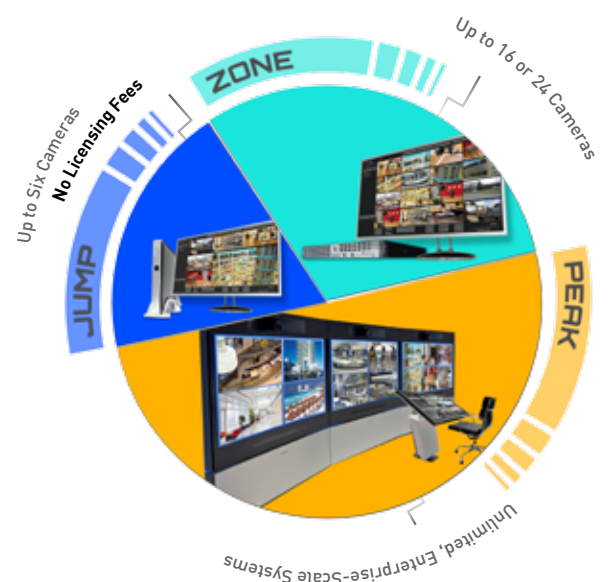
POWERFUL

- ViconNet's distributed architecture supports cameras, locations and users with no single point of failure.
- Recording management allows quick and easy setup of recording tasks.
- Search function on each device list allows a quick text match to a specific device.
- Events and alarm management combine video with data from a wide range of security systems, including access control, license recognition and perimeter intrusion monitoring.
- Monitor your ViconNet system anywhere using a smartphone, tablet or PC browser.
- Thumbnail search offers a quick visual search for a selected time period, which can be launched as playback or exported as an archive.
- Create a video mask to block certain areas on the display, which can be removed from live or playback with proper authorization.

RELIABLE

- Vicon has nearly 50 years experience worldwide with thousands of installations.
- Professional Services give you peace of mind. Our unique program ensures ease of installation, consistent performance and long-term reliability.
- R & D investment keeps your technology competitive.

SCALABLE

- With our three-tiered software options – JUMP/ZONE/PEAK – easily upgrade your system from small up to enterprise level as your needs and budget dictate.
- Connect multiple NVRs from smaller systems to build an enterprise scale system.
- Software upgrades and system integration keep you current.
- An open-platform system and compatibility with a wide range of products allow system expansion and versatility.

ZONE — Up to 16 or 24 Cameras

JUMP — Up to Six Cameras — No Licensing Fees

PEAK — Unlimited, Enterprise-Scale Systems

ViconNet Software

ViconNet, Vicon's fully scalable, feature-rich VMS solution, delivers enterprise-level performance along with the ability to customize the system and compatibility with a wide range of commercial off-the-shelf (COTS) network video and computer hardware. Distributed architecture allows ViconNet to support an unlimited number of cameras, locations and users with no single point of failure. The software can be purchased separately or installed at the factory on a Windows® Server.

ViconNet Network Video Recording (NVR) Software

VPK-SWV8	ViconNet V8 PEAK NVR Software. Single site license. Full ViconNet functionality. Requires separate third party camera licenses.
VZN-24-SWV8	ViconNet V8 ZONE NVR Software for use with up to 24 IP cameras. Single site license. Full ViconNet functionality. Requires separate third party camera licenses.
VZN-16-SWV8	ViconNet V8 ZONE NVR Software for use with up to 16 IP cameras. Single site license. Full ViconNet functionality. Requires separate third party camera licenses.
VN-CAM-LIC	Connection license for third party network cameras. Single camera license.

ViconNet System Expansion Software

VWS-SWV8	ViconNet V8 Workstation Software. Single server license.
VNUC-SWV8	ViconNet V8 Nucleus/Web Server Software. Single server license.
VMDC-SWV8	Virtual Matrix Display Controller V8 Software. Single server license.

ViconNet Software Upgrade

VPK-UPGRADE-SWV8	Upgrade for ViconNet PEAK NVR Software. Single server license.
VPK-UPGRADE-SWV8	Upgrade for ViconNet Nucleus Software. Single server license.
VDVR-UPGRADE-SWV8	Upgrade for ViconNet Kollector DVR Software. Single server license.
VWS-UPGRADE-SWV8	Upgrade for ViconNet Workstation Software. Single server license.
VMDC-UPGRADE-SWV8	Upgrade for ViconNet VMDC Software. Single server license.
VN-RMT-UPGRADE-SWV8	Upgrade for ViconNet Web Server/Mobile Software. Single server license.
VZN-UPGRADE-SWV8-16-24	Upgrade for ViconNet ZONE Software, 16 to 24 cameras.
VZN-UPGRADE-SWV8-16-VPK	Upgrade for ViconNet ZONE Software, 16 to PEAK.
VZN-UPGRADE-SWV8-24-VPK	Upgrade for ViconNet ZONE Software, 24 to PEAK.

ViconNet Software Maintenance

VPK-MAINT-SWV8	ViconNet Software Maintenance Program for NVR; single server license.
VWS-MAINT-SWV8	ViconNet Software Maintenance Program for Workstation; single server license.
VDVR-MAINT-SWV8	ViconNet Software Maintenance Program for DVR; single server license.
VNUC-MAINT-SWV8	ViconNet Software Maintenance Program for Nucleus/webserver; single server license.
VMDC-MAINT-SWV8	ViconNet Software Maintenance Program for Virtual Matrix; single server license.
VN-RMT-MAINT-SWV8	ViconNet Software Maintenance Program for Web Service/Mobile; single server license.
VZN-MAINT-SWV8-16	ViconNet Software Maintenance Program for 16-Channel ZONE; single server license.
VZN-MAINT-SWV8-24	ViconNet Software Maintenance Program for 24-Channel ZONE; single server license.

Network Video Recorder (NVR)

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 different versions (based on the number of camera channels and/or storage capacity) can be installed on rack-mount or desktop chassis.

Network Video Recorders

Desktop Models

VZN-16-*X*TBV8   ViconNet ZONE 16-Channel Network Video Recorder. 2 drive bays. Desktop PC.

VZN-24-*X*TBV8   ViconNet ZONE 24-Channel Network Video Recorder. 2 drive bays. Desktop PC.

VPK-*X*TBV8   ViconNet PEAK Network Video Recorder. 2 drive bays; up to 6TB. Desktop PC.

Rack-mount Models

VZN-16-*X*TBV8-RK   ViconNet ZONE 16-Channel Network Video Recorder. 4 drive bays. Rack-mount PC.

VZN-24-*X*TBV8-RK   ViconNet ZONE 24-Channel Network Video Recorder. 4 drive bays. Rack-mount PC.

VPK-*X*TBV8-RK   ViconNet PEAK Network Video Recorder. 4 drive bays; up to 6TB. Rack-mount PC.

Note: Refer to Price List for configurations with different storage capacities.

Shadow RAID NVR

The ViconNet Shadow NVR is a cost-effective, large storage solution which provides scalable, internal RAID for medium and large-scale installations. The internal RAID 5 or 6 storage provides abundant capacity and the assurance that your data will always be secure and protected. The removable drive configuration (8-bay or 24-bay) makes it easy to hot-swap drives without having to remove the unit from the rack. Configured with ViconNet VMS PEAK software.

Shadow RAID NVRs

RAID 5

VPK-6.5TBXV8-R5	ViconNet Shadow NVR with preloaded ViconNet software, Intel Xeon-based; internal RAID with 6.5TB usable storage. 8-drive bays. RAID 5 configuration. Rack-mount.
VPK-13TBXV8-R5	ViconNet Shadow NVR with preloaded ViconNet software, Intel Xeon-based; internal RAID with 13 TB usable storage. 8-drive bays. RAID 5 configuration. Rack-mount.
VPK-17TBXV8-R5	ViconNet Shadow NVR with preloaded ViconNet software, Intel Xeon-based; internal RAID with 17 TB usable storage. 8-drive bays. RAID 5 configuration. Rack-mount.
VPK-38TBXV8-R5	ViconNet Shadow NVR with preloaded ViconNet software, Intel Xeon-based; internal RAID with 38 TB usable storage. 24-drive bays. RAID 5 configuration. Rack-mount.
VPK-57TBXV8-R5	ViconNet Shadow NVR with preloaded ViconNet software, Intel Xeon-based; internal RAID with 57 TB usable storage. 24-drive bays. RAID 5 configuration. Rack-mount.

RAID 6

VPK-5.7TBXV8-R6	ViconNet Shadow NVR with preloaded ViconNet software, Intel Xeon-based; internal RAID with 5.7 TB usable storage. 8-drive bays. RAID 6 configuration. Rack-mount.
VPK-11TBXV8-R6	ViconNet Shadow NVR with preloaded ViconNet software, Intel Xeon-based; internal RAID with 11 TB usable storage. 8-drive bays. RAID 6 configuration. Rack-mount.
VPK-14TBXV8-R6	ViconNet Shadow NVR with preloaded ViconNet software, Intel Xeon-based; internal RAID with 14 TB usable storage. 8-drive bays. RAID 6 configuration. Rack-mount.
VPK-34TBXV8-R6	ViconNet Shadow NVR with preloaded ViconNet software, Intel Xeon-based; internal RAID with 34 TB usable storage. 24-drive bays. RAID 6 configuration. Rack-mount.
VPK-51TBXV8-R6	ViconNet Shadow NVR with preloaded ViconNet software, Intel Xeon-based; internal RAID with 51 TB usable storage. 24-drive bays. RAID 6 configuration. Rack-mount.

SAN RAID NVR

The ViconNet SAN NVR is configured with an iSCSI port specifically for use with SAN storage arrays.

Vicon VN-SAN Storage Area Network devices provide a high-density storage solution that can be used for primary and/or backup data storage. The VN-SAN is offered in 9, 18 and 48-bay systems. Redundant power supplies and enterprise class hard drives ensure reliability.

SAN Network Video Recorders

VPK-SANV8	ViconNet PEAK SAN Network Video Recorder. Desktop PC. Dual NIC. Configured for use with external SAN-RAID.
VPK-SANV8-RK	ViconNet PEAK SAN Network Video Recorder. 1U rack-mount. Dual NIC. Configured for use with external SAN-RAID.

SAN RAID

VN-SAN-9-2000R5	9-Bay SAN Storage Unit; 9 2TB drives, 15 TB usable storage; configured for RAID 5
VN-SAN-9-6000R5	9-Bay SAN Storage Unit; 9 6TB drives, 42 TB usable storage; configured for RAID 5
VN-SAN-18-2000R5	18-Bay SAN Storage Unit; 18 2TB drives, 28.5 TB usable storage; configured for RAID 5
VN-SAN-18-4000R5	18-Bay SAN Storage Unit; 18 4TB drives, 57 TB usable storage; configured for RAID 5
VN-SAN-48-2000R5	48-Bay SAN Storage Unit; 48 2TB drives, 81 TB usable storage; configured for RAID 5

Hard Drives

VN-SAN-HD2TB-2	9/18-Bay SAN Storage Spare Drive; 2 TB
VN-SAN-HD4TB-2	18-Bay SAN Storage Spare Drive; 4 TB
VN-SAN-HD2TB-3	48-Bay SAN Storage Spare Drive; 2 TB

ViconNet System Expansion

The ViconNet Web/Mobile Server is a cost-effective system that allows growth as your needs evolve. It is designed to allow authorized security managers and operators to select and control video displayed from a browser-based interface. It also supports the use of Apple and Android mobile devices. The server acts as a gateway to the ViconNet network video system without any requirement to install and maintain client-based software. The standalone web server is an expansion to the standard remote capabilities.

Web Server

VN-RMT-PCV8	Web Server with ViconNet software. Tower PC.
VN-RMT-PCV8-RK	Web Server with ViconNet software. Rack-mount PC.

The ViconNet Workstation provides advanced features for operators and administrators for management of the ViconNet system.

Workstation

VWS-PCV8	Workstation with ViconNet software. Tower PC.
VWS-PCV8-RK	Workstation with ViconNet software. Rack-mount PC.

ViconNet employs a distributed architecture that is linked together through a server designated as the "Nucleus." (Required for larger systems; see datasheet.)

Nucleus

VNUC-PCV8	Nucleus with ViconNet software. Tower PC.
VNUC-PCV8-RK	Nucleus with ViconNet software. Rack-mount PC.

V1500X-SCCS-1

Keyboard

V1500X-SCCS-1	System Console Control Station with IP functionality. Used to control ViconNet video management systems, including Virtual Matrix Display Controller (VMDC).

Encoders and DVRs

Proven in daily operation in thousands of customer installations worldwide, the Kollector® Force and Strike DVRs feature an embedded operating system designed for enhanced security and superior reliability. The ViconNet software that powers the Kollector provides an open platform that allows integration with IP cameras, including megapixel cameras, encoders and IP edge devices from numerous industry-leading manufacturers. The Kollector DVRs and the encoders are cost-effective methods of transitioning from analog to IP.

Encoders

H264-ENCDR	H.264 4-Channel Video Encoder; 120 fps (total); audio input/output; Power-over-Ethernet capable
H264-ENCDR-RK8	Rack Kit; for use with H264-ENCDR. Mounts eight (8) H264-ENCDR encoders in standard 19-in rack. Requires 5U space.
H264-ENCDR-RK2	Double Width Rack Kit; for use with H264-ENCDR. Mounts two (2) H264-ENCDR encoders in standard 19-in rack.
H264-ENCDR-WM	Wall Mount Bracket; for mounting single H264-ENCDR encoder to wall
H264-16CH-ENCDR	H.264 16-Channel Video Encoder; 480 fps (total); audio input/output; Power-over-Ethernet capable
EXPRESS-8	8-Channel Embedded DVR; no HDD; for use as an encoder
EXPRESS-16	16-Channel DVR; no HDD; for use as an encoder
HDXPRES-RK-4/8	Rack Mount Kit; for IU Express units
VN-901T	H.264 Single-Channel Video Encoder; 30 fps; audio input/output; Power-over-Ethernet capable; integrates with ViconNet and other ONVIF VMS
ADAM-6050	IP I/O device; allows 12 external alarm inputs and 6 outputs to NVR, Workstation or Kollector DVR

Kollector Hybrid DVRs

KS2B1-XTBV8/KS2-XTBV8	Kollector Strike 16-Channel Hybrid DVR; with ViconNet software, 240 fps, internal OS HD, 4-channel audio, up to 8 additional IP channels at 30 fps each. NTSC/EIA and PAL/CCIR
KS2-SANV8	Kollector Strike 16-Channel Hybrid DVR; with ViconNet software, 240 fps, for use with external SAN-RAID only; no internal HD, NTSC/EIA and PAL/CCIR
KS3B1-XTBV8/KS3-XTBV8	Kollector Strike 16-Channel Hybrid DVR; with ViconNet software, 480 fps, internal OS HD, 4-channel audio, up to 8 additional IP channels at 30 fps each. NTSC/EIA and PAL/CCIR
KS3-SANV8	Kollector Strike 16-Channel Hybrid DVR; with ViconNet software; 480 fps; for use with external SAN-RAID only; no internal HD, NTSC/EIA and PAL/CCIR
KF2-XTBV8	Kollector Force 16-Channel Hybrid DVR; with ViconNet software, 240 fps, internal OS HD, 16-channel audio, 16x4 analog video matrix, up to 8 additional IP channels at 30 fps each. NTSC/EIA and PAL/CCIR
KF2-SANV8	Kollector Force 16-Channel Hybrid DVR; with ViconNet software, 240 fps, for use with external SAN-RAID only; no internal HD, NTSC/EIA and PAL/CCIR
KF3-XTBV8	Kollector Force 16-Channel Hybrid DVR; with ViconNet software, 480 fps, internal OS HD, 16-channel audio, 16x4 analog video matrix, up to 8 additional IP channels at 30 fps each. NTSC/EIA and PAL/CCIR
KF3-SANV8	Kollector Force 16-Channel Hybrid DVR; with ViconNet software, 480 fps, for use with external SAN-RAID only; no internal HD, NTSC/EIA and PAL/CCIR

Note: See Price List for configurations with different storage capacities.

Virtual Matrix

The Virtual Matrix Display Controller (VMDC) is a matrix control solution for the ViconNet Video Management System designed to provide users with the ability to direct network video to multiple monitor displays. This is the replacement for the traditional analog matrix hardware.

Virtual Matrix and Decoders

VMDC-6V8-RK	ViconNet Virtual Matrix Display Controller with 6 display outputs. Single license. Rack mount.
VMDC-4V8-RK	ViconNet Virtual Matrix Display Controller with 4 display outputs. Single license. Rack mount.
VMDC-2V8-RK	ViconNet Virtual Matrix Display Controller with 2 display outputs. Single license. Rack mount.
VMDC-6V8	ViconNet Virtual Matrix Display Controller with 6 display outputs. Single license. Tower.
VMDC-4V8	ViconNet Virtual Matrix Display Controller with 4 display outputs. Single license. Tower.
VMDC-2V8	ViconNet Virtual Matrix Display Controller with 2 display outputs. Single license. Tower.
VN-DECODER-2V8	ViconNet 2-Channel Digital Video Decoder, for use in Virtual Matrix systems. 12VDC/PoE (PSU included).

Monitors

VM-6185LED	18.5" LED; 16:9 aspect ratio, 720p HD resolution (1366x768); HDMI; stereo; NTSC/PAL
VM-6215LED-1	21.5" LED; 16:9 aspect ratio, 1080p HD resolution (1920x1080); HDMI; stereo; NTSC/PAL
VM-623LED-1	23" LED; 16:9 aspect ratio, 1080p HD resolution (1920x1080); HDMI; stereo; NTSC/PAL
VM-624LED	24" LED; 16:9 aspect ratio, 1080p HD resolution (1920x1080); HDMI; stereo; NTSC/PAL
VM-632LED	32" LED; 16:9 aspect ratio, 1080p HD resolution (1920x1080); HDMI; stereo; NTSC/PAL
VM-642LED	42" LED; 16:9 aspect ratio, 1080p HD resolution (1920x1080); HDMI; stereo; NTSC/PAL

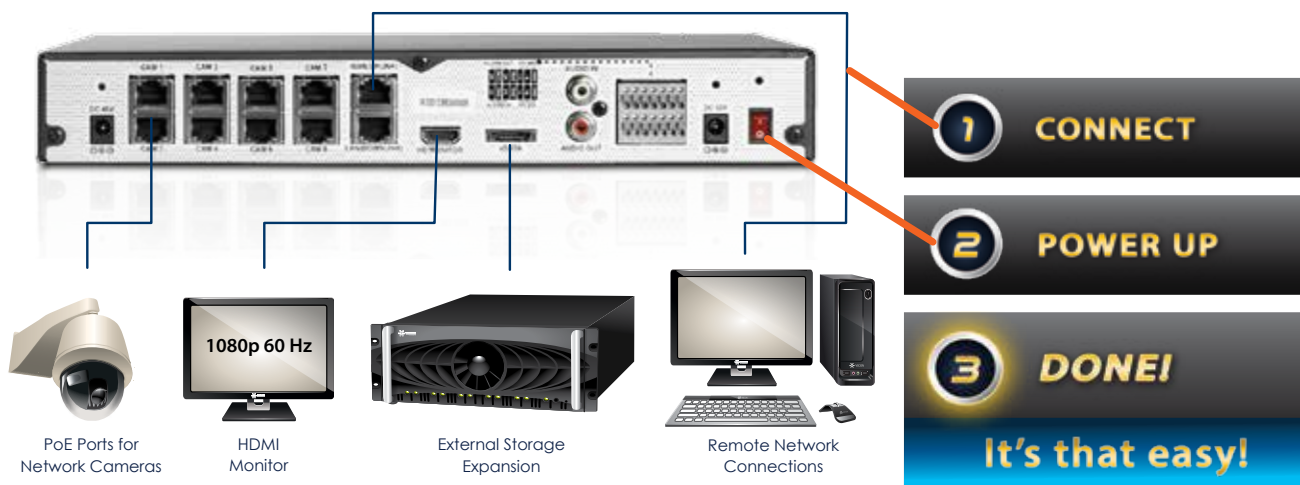V1500X-SCCS-1

Keyboard

V1500X-SCCS-1	System Console Control Station with IP functionality. Used to control ViconNet video management systems, including Virtual Matrix Display Controller (VMDC).

Express Plug-and-Play Video Recorders

The Express Series of DVRs and NVRs are cost-effective recorders that make it easy for anyone to install and set up a surveillance system, without the need for networking knowledge or additional hardware. Just connect up to 16 cameras to the device's camera ports and the Express units do the rest. For larger, enterprise systems, these DVRs and NVRs easily integrate with our ViconNet VMS and can be viewed as any other device on the system.

The Express Series of DVRs and NVRs are cost-effective recorders that make it possible for anyone to install and set up a surveillance system, without the need for networking knowledge or additional hardware. Just connect up to 16 cameras to the device's camera ports and the Express units do the rest. For larger, enterprise systems, these DVRs and NVRs easily integrate with our ViconNet VMS and can be viewed as any other device on the system.

PoE Ports for Network Cameras
HDMI Monitor — 1080p 60 Hz
External Storage Expansion
Remote Network Connections

1 CONNECT
2 POWER UP
3 DONE! It's that easy!

HDExpress Network Video Recorder (NVR)

HDXPRES-4L3	4-Channel Embedded NVR, 1U, HDMI/VGA. 120 fps recording and display @1080P. Embedded PoE ports for 4 cameras. Storage (2 internal drive bays): 2TB, 4TB and 6TB internal storage + external eSATA.
HDXPRES-8L3	8-Channel Embedded NVR, 1U, HDMI/VGA. 240 fps recording and display @1080P. Embedded PoE ports for 8 cameras. Storage (2 internal drive bays): 4TB and 6TB internal storage + external eSATA.
HDXPRES-16L3-HUB	16-Channel Embedded NVR, 1U, HDMI/VGA. 480 fps recording and display @1080P. Storage (2 internal drive bays) 4TB and 6TB. Embedded PoE ports for 8 cameras. Includes HDXPRES-PoE-Hub for 8 additional PoE ports.
HDXPRES-16P3	16-Channel Embedded NVR, 2U, HDMI/VGA. 480 ps recording and display @1080P. Embedded PoE ports for 16 cameras. Storage (5 internal drive bays): 15TB internal storage + external eSATA.

Express Digital Video Recorder (DVR)

EXPRESS-8	8-Channel Express DVR, 1U, HDMI/VGA analog spot monitor. 240 fps recording and display @960H resolution. Storage (2 internal drive bays): 2TB and 6TB internal storage; model available with no HDD to be used as encoder.
EXPRESS-16	16-Channel Express DVR, 1U, HDMI/VGA analog spot monitor. 480 fps recording and display @960H resolution. Storage (2 internal drive bays): 4TB and 6TB internal storage; model available with no HDD to be used as encoder.

Note: Refer to Price List for configurations with different storage capacities.

Professional Services

Vicon offers a range of professional services that ensures your entire installation and maintenance is trouble-free. Let us help secure your peace of mind with less time required to implement your solution, simplified deployment with reduced associated costs, streamlined communication and enhanced level of service
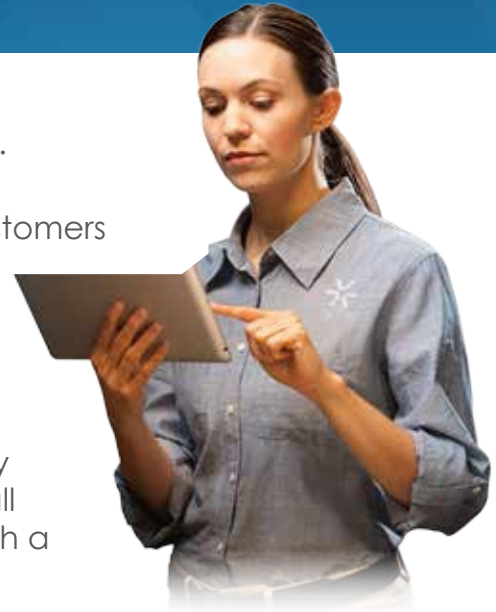
Field Service:
Vicon factory-trained engineers can assist your installation on site.

Training:
Technical training services are offered for all products and for custo... with a varied level of technical experience. This can be customized to meet your specific needs and objectives. Training can be held at our facilities or at the customer's location.

System Programming:
Enjoy the hassle-free convenience of having all components for your system pre-configured by our in-house engineers before they ship to you. Your network will be up and running in no time, with all components ready to connect right out of the box, complete with a custom labeling system to further assist system installers.

Factory Programming Services

PRO-SVC-CAMIP	Preconfiguration of Network Cameras; fee per camera; includes setup of camera name, network configuration, video stream, time synchronization and labeling
PRO-SVC-CAMADV	Preconfiguration of Network Cameras; fee per camera; includes configuring of advanced camera parameters, such as WDR, AGC, day/night, etc.
PRO-SVC-DVR	Configuration of DVRs; fee per DVR; setup includes DVR name, camera name, network configuration, Nucleus association, time synchronization, storage database configuration, auto-record verification, basic recording macro, labeling
PRO-SVC-NVR	Configuration of NVRs; fee per NVR; set up includes NVR name, network configuration, Nucleus association, time synchronization, storage database configuration, basic recording macro and labeling
PRO-SVC-NUC	Configuration of Nucleus; fee per unit; setup includes unit name, network configuration, time synchronisation, user and group additions, import of Vicon open-standard and third party cameras and labeling
PRO-SVC-WS	Configuration of Workstation; fee per workstation; setup includes workstation name, network configuration, Nucleus association, time synchronization and labeling
PRO-SVC-VMDC	Configuration of VMDC; fee per VMDC; set up includes unit name, network configuration, Nucleus association, time synchronization and labeling
PRO-SVC-DECODER	Configuration of 2-channel decoder; fee per decoder; setup includes unit name, network configuration, Nucleus association, time synchronization and labeling
PRO-SVC-KEYPAD	Configuration of keypad; fee per unit; setup includes network configuration, host association and labeling
PRO-SVC-ENCDR	Configuration of 4-channel encoder; fee per unit; setup includes unit name, network configuration, Nucleus association, time synchronization and labeling
PRO-SVC-WEB	Configuration of Web Service; fee per unit; setup includes unit name, network configuration, Nucleus association, time synchronization and labeling

Software Comparison Chart

NR-Not Relevant

FEATURE FUNCTION	VIEWER	VMDC	WORK STATION	JUMP Free NVR	ZONE/PEAK NVRs	WEB VIEWER	MOBILE PHONE	MOBILE TABLET
License	Free with every ViconNet device.Can be installed on multiple PCs.	Single site license	Single site license	Single site free license	Single site	Free	Free	Free
Number of Live View Channels	16	Up to 64 per monitor (depends on video parameters)	16	16	16	16	4	9
Number of Recording Channels	0	0	0	6	16/24 - Not limited (see spec)	0	0	0
Compatible with Express Line (when Express device connected to Nucleus)	✔	✔	✔	✔ (not as Nucleus)	✔		✔	✔
View Live Video	✔	✔	✔	✔	✔	✔	✔	✔
View Playback Video	✔	✔	✔	✔	✔	✔	✔	✔
Support Macros	No	✔	✔	✔	✔	No	No	No
Transfer Archived Video to PC Hard Drive	✔	No	✔	✔	✔	No	No	No
Control PTZ	✔	✔	✔	✔	✔	✔	✔	✔
Authorization	✔	✔	✔	✔	✔	✔	✔	✔
Registration Required	No	✔	✔	Self free	✔	No	No	No
Set Site IP	✔	✔	✔	✔	✔	NR	NR	NR
Record Streamed Video/Audio, local or from the network	No	No	No	✔	✔	No	No	No
Remote Configuration of Other Devices	No	For VMDC only	✔	✔	✔	No	No	No
Remote Configuration	✔ (limited to its functions)	From VMDC only	✔	✔	✔	No	NR	NR
Backup and Restore Configuration	✔	✔	✔	✔	✔	NR	NR	NR
Can be Nucleus	✔ (with limitation of no user group management)	No	✔	✔ (except for Express devices)	✔	No	No	No
Motion Detection	No	✔	✔	✔	✔	No	No	No
Museum Search, for supported cameras	✔	No	✔	✔	✔	No	No	No
Thumbnail Search, all cameras	No	No	✔	✔	✔	No	No	No
Export Video Clip	No	No	✔	✔	✔			
Audio Live and Playback	✔	✔	✔	✔	✔	✔	No	No
Print Images	No	No	✔	✔	✔	No	No	No
Maps	No	✔	✔	✔	✔	No	No	No
Groups	No	✔	✔	✔	✔	✔	✔	✔
Authentication	✔	No	✔	✔	✔	No	No	No
Supports Full HD Display	✔	✔	✔	✔	✔	✔	Transcoded	Transcoded
Supports >HD Video	✔	✔	✔	✔	✔	Transcoded	Transcoded	Transcoded
JPEG Compression	✔	✔	✔	✔	✔	✔	✔	✔
H.264 Compression	✔	✔	✔	✔	✔	✔	✔	✔
MPEG-4 Compression	✔	✔	✔	✔	✔	Transcoded	Transcoded	Transcoded
Live Video Source	Direct from camera/encoder	Direct from camera/encoder	Direct from camera/encoder	Direct from camera/encoder	Direct from camera/encoder	Web server	Web server	Web server
Playback Video Source	NVR	NVR	NVR	NVR	NVR	Web server	Web server	Web server
Third Party Camera Recording	No	No	✔	✔	✔	No	No	No
Events Management	No	No	✔	✔	✔	No	No	No
Archive Wizard	✔	No	✔	✔	✔	No	No	No

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