



# *Product and System Guide 2012* Edition

[www.vicon-security.com](http://www.vicon-security.com)





## About Us

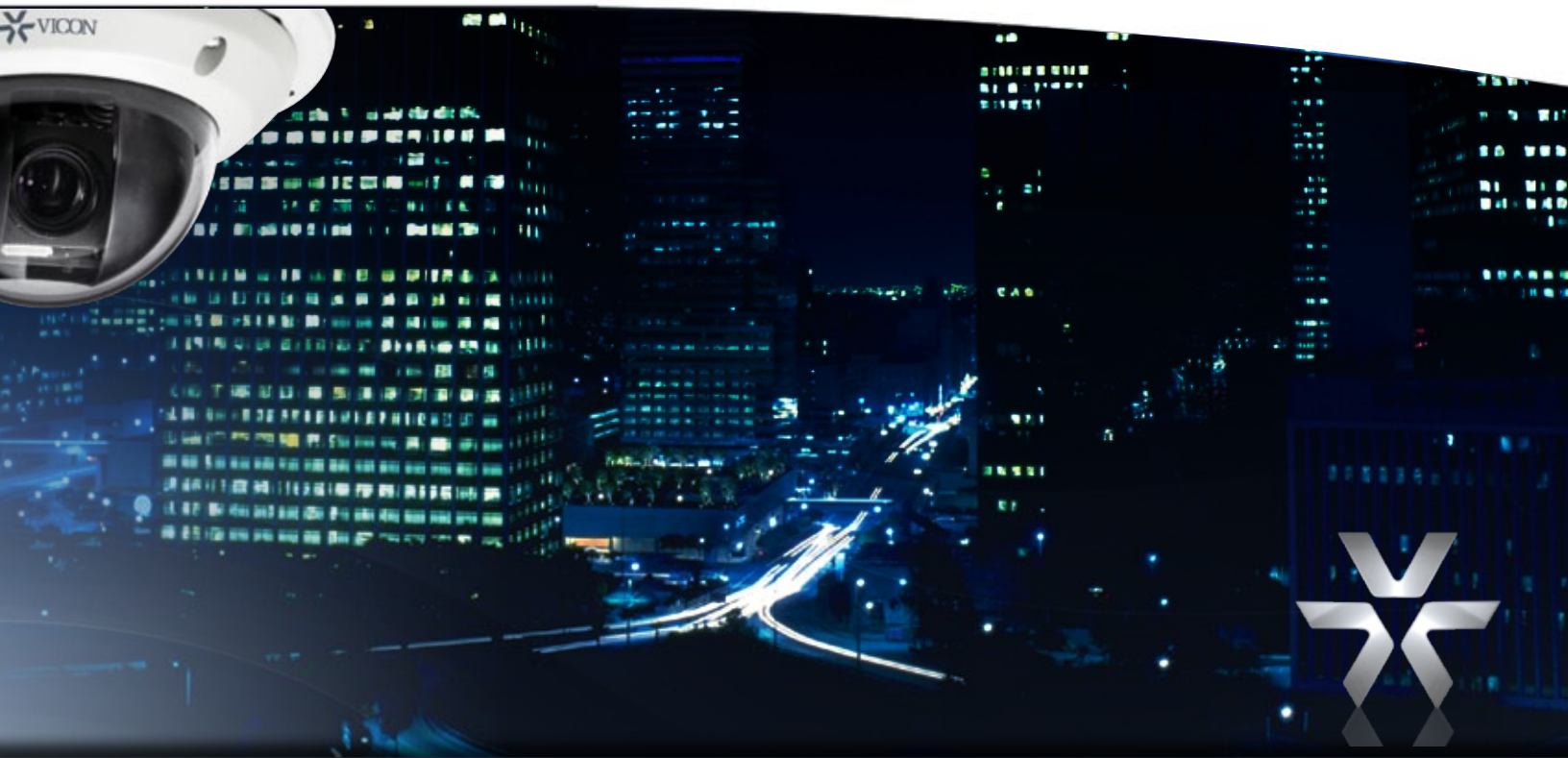
Vicon® Industries designs, manufactures and supports a complete line of network video security software and components. Our systems are employed worldwide in high-profile, enterprise-scale installations by a diverse range of customers, including governments, Fortune 500 companies, private and public institutions, and global transit and commerce hubs.

Our open-platform solutions provide customers with the freedom and flexibility to integrate our products with those from other manufacturers. We also offer the convenience of a single source solution, allowing us to deliver unparalleled support for your entire system. Our unique Professional Services, combined with an industry leading portfolio of products, makes Vicon the easy choice for your next security installation.



## Factory-Direct System Pre-Configuration

- Customized pre-configuration of ViconNet components with device and camera names, recording and database configurations
- Software licenses are pre-registered and ready to use
- Available for ViconNet DVRs, NVRs, Nucleus, Workstations, Network Cameras, VMDC and Keypads
- Reduces installation time and associated cost
- Ensures network is configured correctly, reducing future need for tech support



### ViconNet Training Classes

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- Classes held at Vicon facilities around the world
- Provides hands-on training for Vicon products
- Designed for dealers/integrators and end-users
- Customized training available at customer's location of choice

### Field Services and Project Engineering

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- Other services available: system health assessment, technical consulting and on-site troubleshooting
- Dedicated, fully-trained Vicon on-site engineer to streamline installation and deployment





## ViconNet Video Management Software

- Powerful "IP Video Matrix" options for high performance video wall applications
- Scalable system that seamlessly integrates IP and legacy analog technologies
- ONVIF conformant platform improves support of third party IP cameras
- Supports both "PC client software" and "web browser" based interface
- Distributed architecture that supports unlimited numbers of cameras, locations and users with no single point of failure
- Software Development Kit (SDK) for integration into other systems
- Open-platform Enterprise Class IP Video Management Software
- Supports external control via PLC systems



## ViconNet Recording Devices



### ViconNet NVR

- Ability to view, control and configure every ViconNet® DVR and IP device on the network
- Supports recording of up to 95 IP cameras, depending on fps and camera resolution
- Up to 6 TB internal storage, plus optional external RAID storage area network (SAN) capability
- Preconfigured PCs running ViconNet software
- Solid state O.S. drive optional in all models
- Tower and 1 RU rack-mount enclosure

1 RU model available early 2012

### ViconNet Shadow with Internal RAID

- Ability to view, control and configure every ViconNet DVR and IP device on the network
- Supports recording of up to 95 IP cameras, depending on fps and camera resolution
- Up to 18 TB internal RAID 5 storage; 8 hot-swappable drives
- Preconfigured PCs running ViconNet software
- Solid state O.S. drive optional in all models
- 2 RU rack-mount enclosure



# ViconNet Open-Platform Video Management Solution

## ViconNet Nucleus

- Dedicated Nucleus for a ViconNet system
- Available as a pre-configured PC or software only
- Centralized management of all system components
- Recommended for ViconNet networks with more than five NVRs or DVRs

## ViconNet Software Maintenance Agreements

- May be purchased at time of Product purchase or Product Upgrade purchase
- Contracts available for ViconNet NVRs, DVRs, Workstations, Nucleus and VMDC
- Provides free access to product upgrades
- Contracts run for one or more years

## ViconNet Recording Devices

### Kollector Strike Hybrid DVR

- 16-channel hybrid digital video recorder with full featured ViconNet VMS
- Records 16 analog and up to 8 additional IP (up to 5 MP) cameras
- 4 dry contact alarm inputs and relays and 1 serial port
- Supports museum search for all 16 analog cameras
- Supports up to 6 TB of storage (removable HDs)
- Encodes analog cameras at 240 or 480 fps (NTSC), 200 or 400 fps (PAL)
- 1 RU rack-mount enclosure
- 4 microphone ports



### Kollector Force Hybrid DVR

Kollector® Force includes all features of Kollector Strike Hybrid DVR , plus:

- 16 microphone ports and 4 serial ports
- 16 dry contact alarm inputs and relays
- 5 bay RAID 5 internal storage option
- 16 analog video loopouts
- 4 analog monitor outputs





### Network Serial Keypad

- Network or serial multifunction desktop keypad
- 3-function joystick and jog/shuttle wheel
- For use with ViconNet and VMDC
- Touch-sensitive LCD



### ViconNet Virtual Matrix Display Controller

- Supports 1080P High-Definition; 16 x 9 viewing; and H.264 compression
- Compatible with IP keypads and Programmable Logic Controllers (PLC)
- Scalable matrix control solution for small and large installations
- Intuitive GUI provides simple, easy-to-use controls
- Connect up to 6 monitors to each unit and add more units for multiple monitor solutions
- Control can be shared by multiple operators
- Create large multi-monitor displays
- 3 RU rack-mount enclosure
- 2 monitor version available in desktop form

## Encoders

### Kollektor Strike 16-Channel Encoder

- Also serves as Workstation running full-featured ViconNet software
- Encodes 16 channels at 240 or 480 fps (NTSC), 200 or 400 fps (PAL)
- Supports museum search functionality for all cameras
- 4 dry contact alarm inputs and relays and 1 serial port
- 1 RU rack-mount enclosure
- 4 microphone ports



### H.264 4-Channel Encoder

- Dual streaming video
- Up to 120 fps
- Power-over-Ethernet (PoE) or 24 VAC
- Supports museum search functionality for all cameras
- 4 dry contact alarm inputs and relay
- 4 audio inputs
- 2 units within 1 RU;  
8 units within 5 RU





## ViconNet Web Server

- Available as software only or as a pre-configured PC within a 1 RU rack-mount enclosure with solid state O.S. drive
- Compatible with Internet Explorer, Firefox, Chrome and Safari
- Enhances system ability to support simultaneous users
- Browser-based interface for live viewing and playback
- Provides single point-of-access to all cameras and recorders in an enterprise class system using the browser interface
- Compatible with ViconNet 4, 5 and 6



## ViconNet Network Workstation

- Pre-configured PC running ViconNet software
- Ability to view, control and configure every ViconNet DVR and IP device on the network
- Tower or rack-mount enclosures

## Storage



## Storage Area Network RAID Devices

- Available with 8, 14, 42 or 60 bays
- Up to 68 TB usable RAID storage
- iSCSI protocol for network connection
- Rack-mountable and stackable enclosures
- Single device may provide storage to multiple NVRs

60 bay model available in 2012



## NEW HD CAMERAS



### HD V960 Series

- 1080p (2 megapixel), 720p (1.3 megapixel) and VGA (0.3 megapixel) resolution models
- H.264 high profile and M-JPEG compression
- Dual streaming video
- Dome models feature remote lens adjustments: autofocus and zoom
- 0.08 lux low light capabilities @ 50 IRE
- True day/night camera
- Indoor and vandal-proof outdoor domes, box and bullet models
- PoE, 24 VAC or 12 VDC
- ONVIF open-platform



### Surveyor® HD PTZ Domes

- In-ceiling or pendant configurations for indoor or outdoor installations
- Vandal-proof and pressurized housings available
- Advanced scheduling for autonomous operations
- 720p 18X and 1080p 20X models
- H.264 and JPEG compression
- ONVIF open-platform
- 360° continuous pan
- Privacy masking
- Museum search
- Fiber optic module optional

2 MP, 1080p model available in 2012.





### Roughneck® V910 Domes

- Rugged construction for harsh indoor or outdoor environments
- Indoor/outdoor surface mount; in-ceiling or pendant mounting options
- Includes integral color, day/night or WDR (Pixim) day/night camera
- VGA (0.3 megapixel) resolution and autoiris varifocal lens
- Smoked lower dome
- Museum search



### Roughneck Cell Camera

- Designed specifically for use in custodial suites and prison cells
- Integrated housing, camera, lens, and IR illuminators
- High-security camera
- Corner-mount
- Museum search

\* Analog model available

## PTZ Domes



### SurveyorVFT®

- Video transmission via IP, coaxial, fiber-optic or twisted pair (UTP)
- In-ceiling or pendant configurations for indoor or outdoor installations
- 22X, 22X with ExView, 23X or 35X high-resolution color or day/night camera
- Vandal-proof and pressurized housings available
- 360° continuous pan
- Variable-speed drive
- Privacy masking
- Fixed models available



### Surveyor Mini

- 10X optical/10X digital high-resolution day/night camera and 3.8-38 varifocal autoiris lens



### V660 Series

- Day/Night, IR illumination and Wide Dynamic Range (WDR) models (options vary by housing)
- On-screen menus with innovative joystick control make setup and operation easy
- 600 or 650 TV lines
- Indoor, outdoor vandal-proof, box and bullet models
- Motorized, autoiris varifocal lens
- Digital Noise Reduction (DNR)
- Built-in video analytics

## Fixed Analog Cameras



### Roughneck High-Security Camera

- Brushed stainless steel housing
- Integral color camera and autoiris varifocal lens
- Corner-mount



### Roughneck V926 Camera Domes

- Rugged construction for harsh indoor or outdoor environments
- Includes integral color or day/night camera and autoiris varifocal lens
- Version available with twisted pair (UTP) video transmission
- Smoked lower dome



### Roughneck V910 Camera Domes

- Includes integral color or day/night camera and autoiris varifocal lens
- Indoor/outdoor surface mount; in-ceiling or pendant mounting options
- Rugged construction for harsh indoor or outdoor environments
- Versions available with twisted pair (UTP) or fiber video transmission
- Smoked lower dome
- Choice of lenses





## Pilot Line of Matrix Switching System

- Touch-sensitive front panel brings control of many common functions to your fingertips
- Easy-to-use Configurator simplifies system setup and programming
- Programmable tours and timed events
- Models available to support up to 512 cameras x 64 monitors
- Vicoax compatible



## Pilot Ultra

- Hot swappable application cards within the CDU provide internal redundancy and allow system maintenance without loss of operation
- Supports up to 8192 cameras x 512 monitors

## Vicon Accessories

Vicon offers complete system solutions, including a selection of products in the categories below. Visit [www.vicon-security.com](http://www.vicon-security.com) for more information.

### Camera Accessories

- Extensive selection of indoor and outdoor mounting hardware
- Indoor, outdoor and special purpose housings
- Varifocal lenses, including IR and megapixel
- Explosionproof PTZ device
- Power supplies

### Transmission Products

- Fiber-optic media converters for range extension of IP networks
- Twisted-pair and fiber-optic transmission systems for video and data

### Network Switches

- Various channel options
- PoE models

### Surge Protection

- Complete line of devices for VMS system components
- Models to protect Ethernet, PoE, DVRs and cameras

### Monitors

- Wide range of sizes and resolutions
- 16:9 and 4:3 models

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