KOLLECTOR STRIKE

16-Channel Hybrid Digital Video Recorder

IP · ONVIF · H.264 · MEGApixel · HD

- Configured with ViconNet® Video Management Software (VMS)
- Scalable from one to hundreds of recorders
- Support for HD video and Megapixel cameras
- Real-time Hybrid recording of up to 16 analog cameras and up to 8 additional IP cameras
- Support for third-party network cameras
- Embedded Windows® operating system for enhanced security and reliability
- M-JPEG, MPEG-4 and H.264 compression
- High-capacity internal storage
- Removable hard drive option for ease of maintenance
- Solid-state drive option for operating system provides less power usage, faster data access and higher reliability
- Multi-language application
- Advanced video authentication
- Integration with third-party management software using software development kit (SDK)

The Kollector® Strike combines a robust video management and storage solution that enables you to simultaneously capture, view and store high-quality, high resolution voice, video and data for a comprehensive security solution. The Strike helps security organizations reduce system ownership costs, streamline operations and deliver more effective security.

The Strike has the power to bridge the transition from analog to IP camera installations. It can record 16 analog cameras and encode the analog inputs for use by the VMS. An additional 8 IP channels can also be recorded, and managed by the system, all with real-time frame rate at 4CIF resolution.

Built for Reliability, Usability, and Low Cost of Ownership

Proven in daily operation in thousands of customer installations worldwide, the Strike features an embedded operating system designed for enhanced security and superior reliability. The ViconNet software that powers the Strike, provides an open platform that allows integration with IP cameras, including megapixel cameras, encoders and IP edge devices from numerous industry-leading manufacturers.

Powerful Software

ViconNet 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 Strike has external iSCSI RAID device connection capability to extend the total recording time well beyond the limits of the internal hard drives. The system is designed to scale to thousands of cameras with additional Kollector Strike models or any of the ViconNet VMS products. Add storage or additional capability as it's needed when it's needed.

Video Specifications

Video Level Input:	1.0 V peak-to-peak (140 IRE) nominal.
Luminance:	100 IRE +/- 15%.
Sync:	40 IRE +/- 15%.
Colorburst:	40 IRE +/- 15%.
Video Input Impedance:	75 ohms on BNC connectors.
Video Formats Supported:	NTSC, PAL, EIA and CCIR.
Video Recording Rate:	16 simultaneous channels @ 60, 120, 240 or 480 frames per second, maximum. 30 fps per channel, maximum.
Local Video Quality:	Local analog camera inputs: Selectable using a 4-position bar, from 1/2 CIF to 4 CIF. IP cameras : 10 user selectable resolution capture sizes (camera dependent).
Audio Inputs:	Microphone should be 0 dB, 32 KHz bandwidth, 600 ohm impedance, 2 V RMS (1 V p-p) output.
Audio Sampling Rate:	8 KHz/sec/channel.
Audio Data Storage Rate:	Approximately 0.7 GB/day/microphone.
Camera to Recorder Analog Input Video Transmission Distance (coaxial cable distance):	1000 ft (305 m) nominal.
VGA Monitor Output:	SVGA, True-Color Mode with a resolution of 1024 x 768 or 1280 x 1024.
VGA Video Display Modes:	Multi-screen display mode for both live and video playback of 1, 4, 6, 9, 16 cameras.
Panel Indicators:	1 blue power LED used for power status indication. 1 red LED used for HDD indication. 1 green LED used for DVD operation.
Panel Key Lock:	Key lock provided on front panel to secure all controls.
Analog Video Inputs:	16 BNC-F connectors.
Monitor Output:	1 VGA connector.
PTZ Control Port:	One DB9, RS-232 serial port provided with RS-422 adapter.
Sensor Input Port:	4 NO/NC connectors, software selectable. Each alarm input is automatically configured as a normally opened (NO) or normally closed (NC) trigger.

Electrical Specifications

Input Voltage:	120-230 ±10% VAC, 50/60 Hz.
Current:	2.3 A @ 115 VAC; 1.1 A @ 230 VAC.
Power Consumption:	265 W nominal.
Heat Output:	928 btu/hour.
Power Connector:	Standard 3-conductor female socket.
CPU:	Intel® Core™ 2 Duo 2.8 GHz.
Memory:	1 GB minimum.
Storage:	500 to 6000 GB, depending on model. Note that Vicon certifies DVR and NVR drives on a continual basis, therefore capacities will change frequently.
DVD Drive:	Internal DVD drive.
Network Port:	2 - RJ-45 jacks. 100/1000 Mbps.
Keyboard Port:	5-pin DIN jack (PS2) or USB.
Mouse Port:	5-pin DIN jack (PS2) or USB.
USB Ports:	6 (2 front, 4 rear).
Audio Input:	4 input connectors, software selectable.
Certifications:	CE; FCC, Class A; UL Listing pending.

Mechanical Specifications

Application:	Indoor
Mounting:	Standard 19 in. (483 mm) rack mount and stackable, 1U height.
Dimensions:	1.75" (44.5 mm) H x 19" (483 mm) W x 23.1" (587.4 mm) D, including connectors (removable hard drive model). Internal hard drive model is 22.5" ((571.5 mm) including connectors.
Weight:	24.0 lb (10.9 kg).
Construction:	Steel case and hardware.

Environmental Specifications

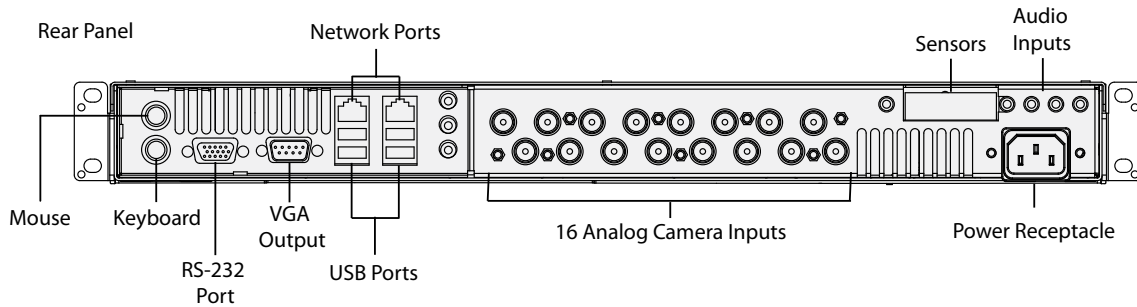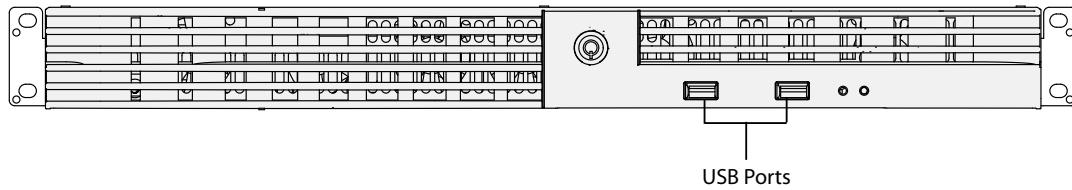|	
Operating Temperature:	32° to 104°F (0° to 40°C).
Humidity:	Up to 95% relative, non-condensing.
Ideal Room Temperature:	66° to 75°F (19° to 25° C).
Ideal Room Humidity:	Up to 80% relative, non-condensing.
Maximum Room Temperature:	50° to 86°F (10° to 30° C).
Storage Temperature Range:	-4 to 158° F (-20 to 70° C) maximum.

Warranty

3 years parts and labor.

Front Panel

USB Ports

Rear Panel   Network Ports   Sensors   Audio Inputs

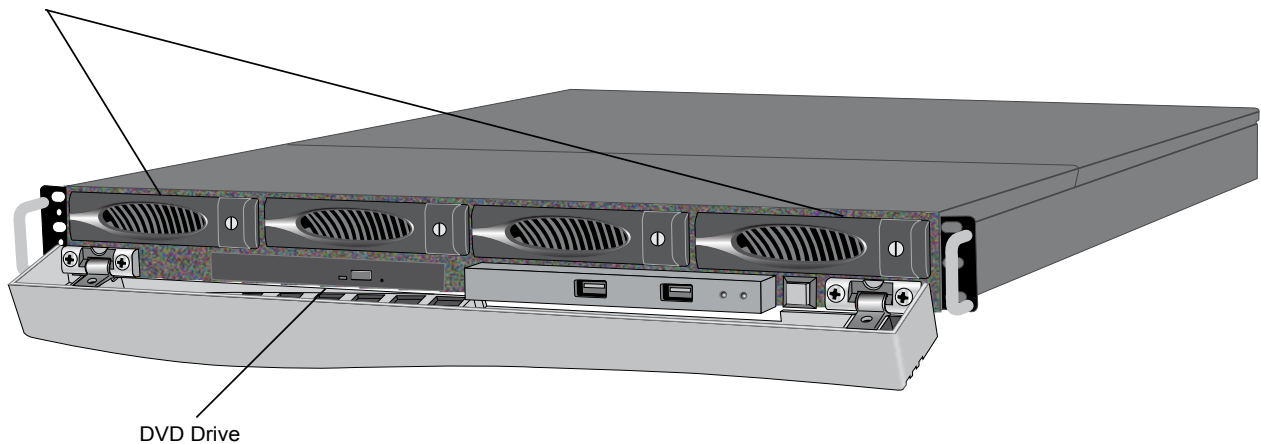Mouse   Keyboard   VGA Output   16 Analog Camera Inputs   Power Receptacle
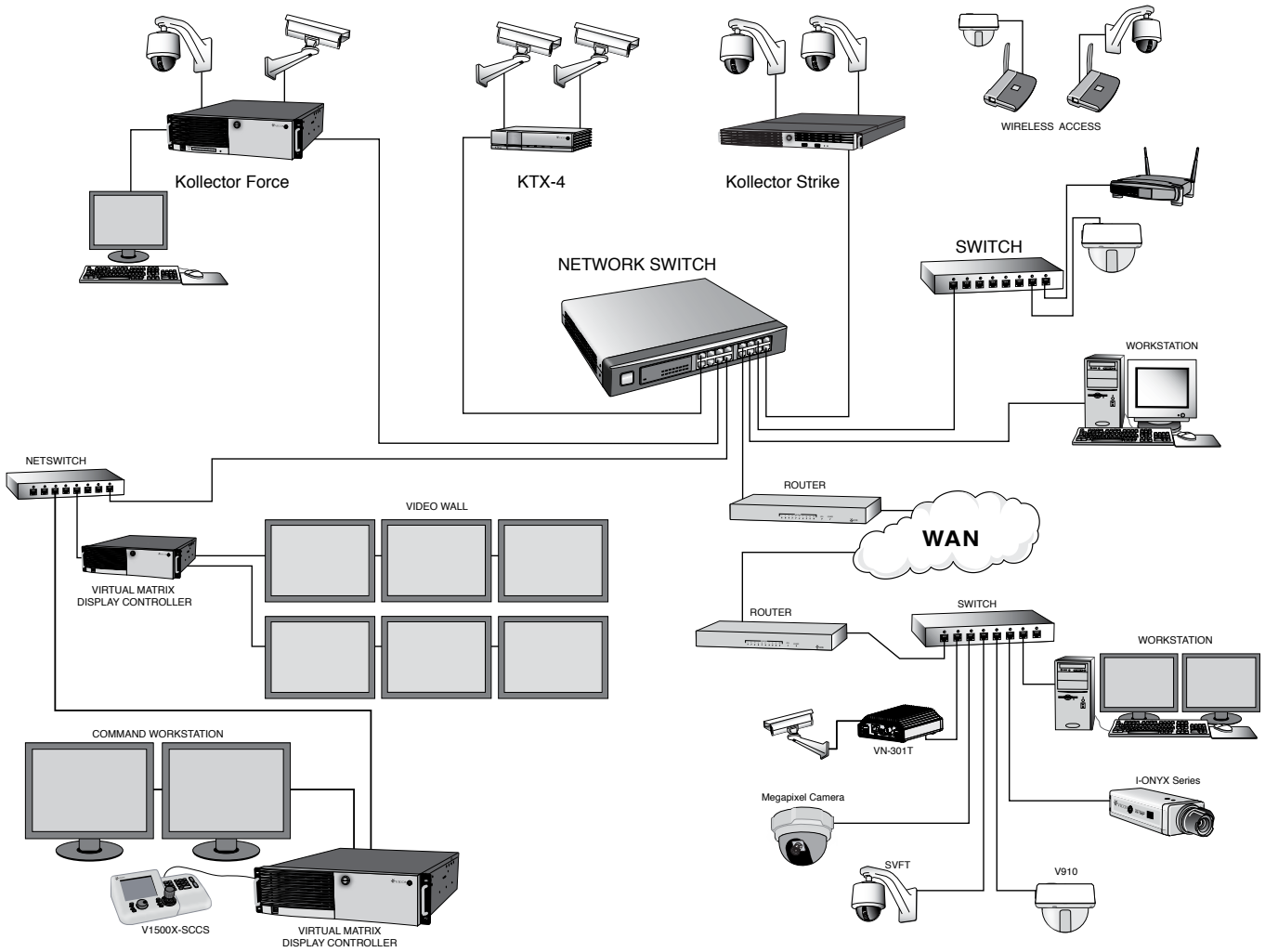
RS-232 Port   USB Ports

The Kollector Strike features:

• Lockable front panel to restrict access to DVD drive and hard drives on removable drive model
• Additional network port for external iSCSI network RAID drive connection
• 6 USB connectors: 2 on front panel and 4 on rear panel and RS-232 port for PTZ control
• 3 bays for storage drives. One bay for Operating System (OS) drive.
• Solid-state operating system drive option frees up OS bay, thereby increasing local storage capability
• Optional desk stand for internal hard drive model for table-top or desktop mounting

Removable Hard Drives

DVD Drive

Removable Hard Drive Model Drive Access

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Typical ViconNet System Configuration with Kollector Strike DVR

All models are 16-channel, hybrid DVRs preloaded with ViconNet Version 6 software with an internal DVD drive and 4-channel audio. All have user door with key lock.

Kollector Strike Model	fps at 4CIF	Model Number*
Removable Hard Drive	120 @ ViconNet MPEG-4/60 @ H.264	KS1-(X)XXXV6
	240 @ ViconNet MPEG-4/120 @ H.264	KS2-(X)XXXV6
	480 @ ViconNet MPEG-4/240 @ H.264	KS3-(X)XXXV6
Internal Hard Drive	120 @ ViconNet MPEG-4/60 @ H.264	KS1B-(X)XXXV6
	240 @ ViconNet MPEG-4/120 @ H.264	KS2B-(X)XXXV6
	480 @ ViconNet MPEG-4/240 @ H.264	KS3B-(X)XXXV6

* (X)XXX indicates the hard drive size in GB. The (X) is not used for the 500 GB drive. For example, a 480 fps Kollector Strike with removable hard drives and 500 GB storage would have a model number of: KS3-500V6. The same unit with 1000 GB storage would have a model of KS3-1000V6.

Options and Accessories

	Description	Model Number
	Control Keypad. Small profile desk-top, provides multi-function control for camera stations with variable-speed joystick for pan-and-tilt control and push buttons for lens function.	V1410X-DVC
	Control Keypad. Desk-top version, provides multi-function control for camera stations with variable-speed joystick for pan-and-tilt control and push buttons for lens function.	V1411-DVC
	Control Keypad. Desk-top version, provides multi-function control for camera stations with three-function variable-speed joystick for pan-and-tilt control and push buttons for lens function.	V1411J-DVC
	Network Control Keypad. Used to control ViconNet digital video management systems, including Virtual Matrix Controller (VMC) over an IP network or serial connection.	V1500X-SCCS-1
	Desktop stand for Kollector Strike internal drive model.	KSB-DS
	External Storage Options. Vicon offers a variety of external storage options using SAN and other technologies. Refer to the web site for more information.	-

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