



## KOLLECTOR FORCE 16-CHANNEL HYBRID DIGITAL NETWORK VIDEO RECORDERS

### Kollector Force boasts faster and more powerful video processing with aggressive price/performance value

- Powered by ViconNet 5.6 software; H.264-ready
- Fully compatible with ViconNet open platform and supports IP and megapixel cameras from other manufacturers\*
- 480 fps across 16 channels
- Compact 3 RU chassis
- Analog video matrix switches 4 local inputs to 4 local outputs
- 16 analog video looping outputs
- Simultaneously records and transmits up to 16 digital video channels
- Macros for programming, recording, alarm and display events
- Geographic mapping and control GUI
- Logical camera groups
- System updates over the network
- Flexible frame-per-second settings; view video at one fps while recording at another

The power of ViconNet® 5.6 combines with the Kollector® line of Digital Video Recorders to take the network DVR design to a new level. The Kollector Force DVR is packed with powerful features all within a compact 3 RU chassis. It can be used as a total system control station, capable of viewing and controlling both local and remote network cameras and is designed for complete compatibility with the ViconNet open-platform network. The Kollector Force features pre-loaded ViconNet 5.6 software and is H.264-ready. And all this at an amazingly competitive price.

Even with the new sleek look, the Kollector Force has models that support 480 fps across 16 channels of video. Additionally, the Kollector Force provides two monitor outputs, one each of VGA and DVI.

The Kollector Force is capable of 240 or 480 fps with storage configurations that range up to 5 TB internally and are virtually unlimited with optional external RAIDs. Models available with internal RAID. An internal DVD drive is provided as a backup storage option.

\*Supported manufacturers are frequently updated.

Corporate Headquarters  
89 Arkay Drive  
Hauppauge, New York 11788  
631-952-CCTV (2288)  
800-645-9116  
Fax: 631-951-CCTV (2288)

Vicon Europe Headquarters  
Brunel Way  
Fareham, PO15 5TX  
United Kingdom  
+44 (0) 1489 566300  
Fax: +44 (0) 1489 566322

Vicon Germany  
Kornstieg 3  
D-24537 Neumuenster  
Phone: +49 (0) 4321 8790  
Fax: +49 (0) 4321 879 97

Far East Office  
Unit 5, 17/F, Metropole Square  
2 On Yiu Street, Shatin  
New Territories  
Hong Kong  
(852) 2145-7118  
Fax: (852) 2145-7117

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



# Technical Specifications

## ELECTRICAL

Input Voltage: 120 - 230 VAC ±10%, 50/60 Hz nominal.  
 Current: 1.6 A.  
 Power Consumption: 184 W nominal.  
 Heat Equivalent: 10.5 btu/min (2.6 kg-cal/min).  
 System: CPU: Intel® Core™2 Duo 2.8 GHz.  
 RAM: 2 GB.  
 HDD: 500-5000 GB. (Based on model.)  
 LAN Card: 100/1000 Mbps TPO.

Connector Types/  
 Quantities: Analog Video Inputs: 16 BNC-F.  
 Analog Video Loopouts: 16 in 2 DB-15 connector.  
 Video Output: 1 VGA, 1 DVI.  
 Sensors: 16 terminal block.  
 Relays: 16 terminal block.  
 Microphones: 16 terminal block.  
 PTZ Control Port: RS-422/485 protocol for all 16 channels or 8 terminal block connectors.  
 Peripheral Port: 4 USB ports.  
 4-Output Analog Matrix: 4 BNCs.

## VIDEO

Video Level Input: All BNC connectors: 1.0 V peak-to-peak.  
 Video Input Impedance: All BNC connectors: 75 ohms.  
 Video Formats Supported: NTSC, PAL, EIA and CCIR.  
 Video Recording Rate: 16 simultaneous channels @ 240 or 480 fps max, 30 fps per channel, maximum.  
 Video Recording Resolution: 520 horizontal TVL max at 720 x 488 pixel, 864 x 586, PAL.  
 Video Quality: Selectable using a 4-position bar within 2 compression rates. Normal and Full buttons select optimized MPEG-4 or M-JPEG.  
 DVD Drive: Internal DVD drive.  
 Not available on internal RAID models.

Camera to Recorder  
 Analog Input  
 Alarm Input Type: Automatically configured as NO/NC dry contact.  
 Alarm Output: 8 relay outputs.  
 Audio Input: Microphone should be 0 dbm, 32 KHz bandwidth, 600 ohm impedance, 2 V RMS (1 V p-p) output.  
 VGA Monitor Output: SVGA, True-Color Mode with a resolution of 1024 x 768 or 1280 x 1024.  
 Second LCD monitor output.  
 VGA Video Display Modes: Multi-screen Display Mode for both live and Video Playback of 1, 4, 6, 9, 16 cameras.  
 Analog Video Matrix: 16 x 4 matrix switches local inputs to 4 local outputs. Controlled through software panel.

Indicators: 1 red power LED for HDD status; 1 green LED for power; 16 green LEDs for camera detection and recording status; 16 red LEDs for sensor detection and alarm status.

## SOFTWARE OPERATION

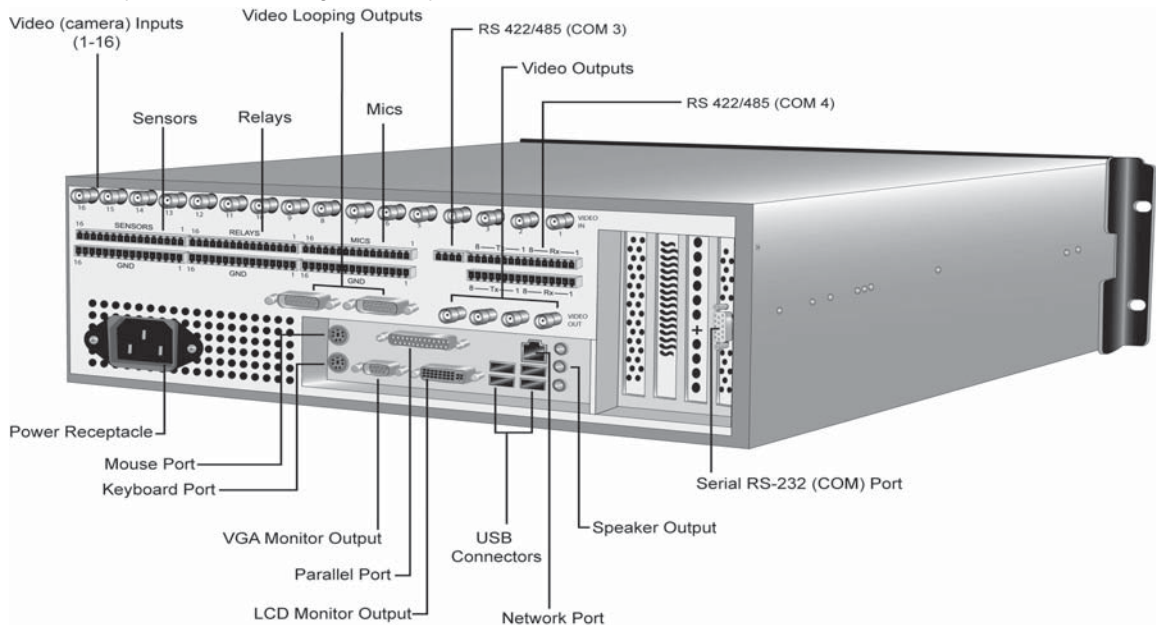
Configuration: Main Window Screen contains 16-channel video display area, device list, controls and toolbars to operate and setup the system. Configuration menu to setup local and remote network sites, macros, devices, authorization, alarms, Picture Database Utilities, Authentication and Sequence Sessions.  
 Surveillance Operation: Video display area shows up to 16 simultaneous cameras from all networked recorders. Simultaneous live, record and play back video displayed with full PTZ control.  
 Macros: Automatic operation routines defined for local or networked recorded or live cameras, programmable functions of command duration, recording location, picture quality, refresh mode, recording rate (fps), sensor and relays and alarm activation.  
 Authorization: Administrator and Guest group rights setup for specific system functions across network.  
 Alarms: Alarms setup to activate using macros or triggered by sensors. Alarms triggered on video loss or "Area of Interest" motion detection screen.  
 Integrated Software Options: Vicon SMS, ViconNet VI and Event Management.

## MECHANICAL

Application: Indoor.  
 Mounting: Standard 19 in. (483 mm) rack mount and stackable, 3RU height.  
 Dimensions: Height: 5.25 in. (133 mm).  
 Width: 18.75 in. (476.25 mm).  
 Depth: 20.875 in. (530.2 mm).  
 Excludes connectors and rack mount handles.  
 Weight: 40.0 lb (18.1 kg).  
 Construction: Steel case and hardware.  
 Color: Black.

## ENVIRONMENTAL

Operating  
 Temperature Range: 32 to 104° F (0 to 40° C).  
 Operating Humidity Range: 0 to 95% relative, noncondensing.



Vicon, its logo, Collector and ViconNet are registered trademarks of Vicon Industries Inc.

Copyright© 2009 Vicon Industries Inc. All rights reserved. Vicon part number 8015-5133-01-00 Product specification subject to change without notice.