VIOCARD-100

Full Size Network DVR Card

Embedded Linux OS and Security Application Software Inside

VIOCARD-GPIO Connector

RS-422/485

DC Power Terminator
Ship with 4-pin Power Housing
(5.25" Drive Connector)

VIOCARD-GPIO
Daughter Board

LAN

Power Source Only
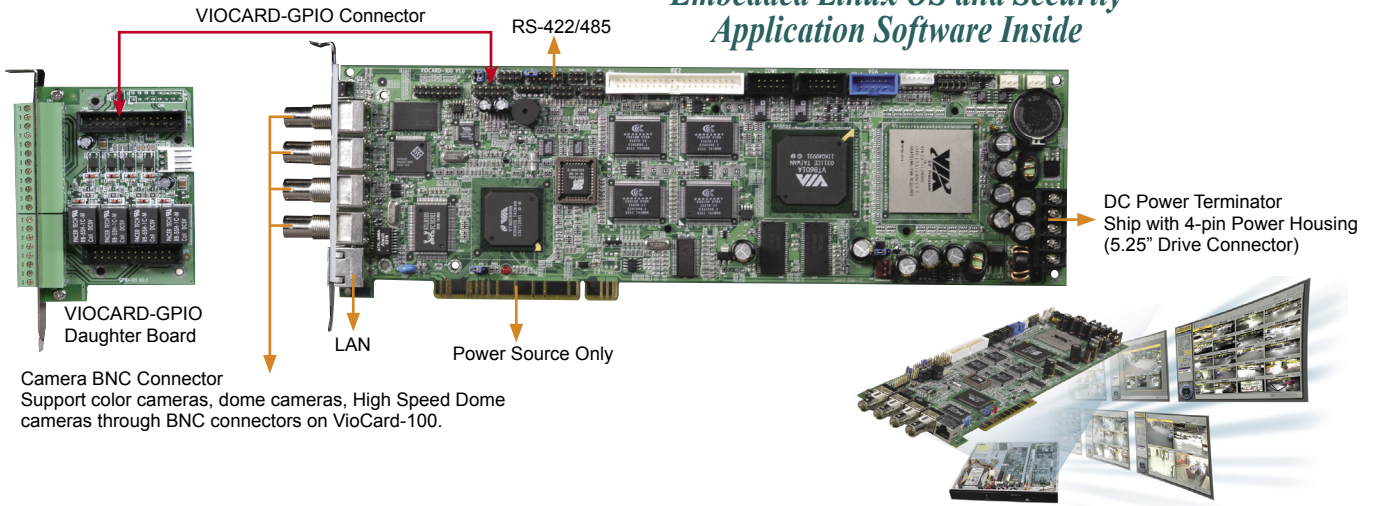
Camera BNC Connector
Support color cameras, dome cameras, High Speed Dome
cameras through BNC connectors on VioCard-100.

SPECIFICATIONS

Flexible Plug & Play for Any Full size Space

Video input	4 channel BNC composite video input NTSC/PAL auto sensing
Video Resolution	160x120, 320x240, 640x240, 640x480
Video Compression Ratio	5 adjustable levels
Browsing Mode	Through IE Browser (Windows 98,ME, 2000,XP) 5.0 or above - Single Channel, Four Channels - Picture-In-Picture Mode - Sequential Mode - Video dimension (1xMode, 2xMode, Full Screen Mode)
Video Recording Mode	Continuous Recording Multiple Interval Scheduling Recording Event-triggered Recording Manual Recording (Manual snapshot)
Video Playback	Through IE Browser - Four Channels at the same time - Multiple playback speed (1x, 2x, 4x, 8x, 16x, 1/2x, 1/4x, 1/8x, 1/16x speed) - save as AVI format while playback
Video Compression	Motion JPEG (Support Multicast)

Video Storage	- Supports remote storage including Windows OS (98, ME, 2000, XP),
	  Linux/UNIX File Server, FTP Server, NAS
	- Supports 2 sets of storage source. When the first set fails, the system can
	  automatically switch to the second storage device for uninterruptible
	  recording/snapshot.

Motion Detection	Multiple detection areas with 5 adjustable sensitivity levels 30 seconds pre alarm video recordings for motion triggered recording mode
Web-based Control	Internet explorer with ActiveX support Web-based system management - System setting - Network setting - Security setting - User management - Camera setting - Recording/Snapshot setting - Event handling - Statistics and logs - System tool for software maintenance and update

ActiveX Controls	Supports embedded object in webpage / Provides Object Interface - Real time surveillance configuration - Image play back configuration - Image storage configuration

Security Settings	- IP security settings:
	  Accept all IP addresses, Accept specified IP addresses,
	  and Deny specified IP addresses.
	- Configurable user surveillance right on viewing channels,
	  playback channels, PTZ camera control and configuration setting

Event Handling	Event Type - Multiple Interval Motion detection - Video input loss - Network fail - System fail - Storage full - GPI (General Purpose Input) Event Action Type - Recording - Snapshot - Email - Mobile phone SMS - Audio warning Alarm - GPO (General Purpose Output)
Networking	10/100 Base-T Ethernet DHCP client support HTTP, TCP/IP, SMTP, FTP PPPoE, DDNS support
Serial Port	One RS232 and One RS485 (for P/T/Z camera control)
General Purpose I/O	4 alarm inputs; 4 alarm outputs (4 relays)
System Auto Recovery	Auto system recovery after power loss recovery
Event Log Backup	Event records can be cleaned up or saved as a log file
Additional Software	VioGate Finder – automatic searching for all VioCard-100 units within the LAN and be able to change network setting VioGate Viewer - client application for the retrieval of recorded video directly from the storage source
Operation Conditions	Temperature: 5 ~ 50ºC (40 ~ 125ºF) Humidity: 5 ~ 95% RHG
Power Consumption	5V@5.6A (Max@8A), 12V@130mA

Environment Monitoring
Academic institutions or government organizations can use the VioCard-100 to monitor and gather all needed information and data.

Manufacturing
The VioCard-100 can be used to monitor the status of production lines while substantially reducing labor costs.

Information Security
Video image evidence can be collected from the Internet, or transferred from a remote site to ensure maximum safety.

Tourism
VioCard-100 can be used to promote tourism by offering pre-recorded video and real-time images of scenic spots during different seasons.

Marketing
Through on-line demonstrations of products, companies can increase the exposure of various products on the Internet and further develop the market as well.

Financial Institutions
Banks can have information of the real-time status in front of ATMs and are able to keep a view of what is happening before sending people to the scene.

Medication Centers and Asylums
With the real-time video images provided by the VioCard-100, staff are able to know the status of the patients in medication centers or asylums.

ORDERING INFORMATION

- **VIOCARD-100** Full size network DVR card
- **VIOCARD-GPIO** GPIO daughter board for VIOCARD-100