

## RELIABLE SURVEILLANCE SYSTEM



Vcast Surveillance System is a truly affordable multi-channel video surveillance system that uses real-time MPEG4 encoding hardware and software combined with state-of-the-art graphical user interface (GUI), allowing users more video storage capacity and higher video quality data. Network-oriented surveillance techniques deliver innovative all-digital solution to your current analog time-lapse video recording nightmare.



### VERSATILE TURNKEY SURVEILLANCE SYSTEM

Vcast Surveillance System provides highly compressed MPEG4 video data which is best suited for transmitting over existing network links. It provides solutions for remote video monitoring, efficient data storage and retrieval, and station management from unlimited number of server/client over LAN, WAN, Internet. MPEG4 video data storage makes quicker and precise random access to the recorded video and automatic event logging possible. The versatile system allows you to capture large amounts of high quality video data that can be easily stored, archived and browsed. Working in a digital environment allows independent control of each camera and cost-effective expandability. For increased multi-channel viewing capability, this allows to bring the total number of simultaneously viewable channel up to 32 per each server.



### APPLICATIONS

- ATM/Banks
- Large Buildings
- Airports
- Casinos
- Loss prevention
- Railroads
- Traffic Monitoring
- Home Security
- Warehouses
- Corporations

### Features and benefits

#### Easily scalable:

- Up to 32 individually controlled NTSC/PAL cameras can be connected to a single server.
- Unlimited number of servers and clients can be connected by local or global networks.
- Flexible server/client architecture allows users to cover very large areas.

#### Convenient and flexible real time video monitoring:

- Simultaneous real time previewing and recording of all active or selected channels.
- Multiple video viewing panes on the screen (up to 36 at 2048x1536 resolution)
- Intuitive on-screen Pan/Tilt/Zoom controls
- Real time export of any video channel to JPEG or AVI files.

#### Low latency video/audio data compression and storage:

- Real time multi-stream MPEG4 encoding with flexible compressed video data rate and quality control.
- Built-in video filtering hardware dramatically improves quality and compression ratio.
- Supports time-lapse recording mode for compatibility with legacy analog systems.
- User definable pre-alarm and post-alarm recording periods, built-in recording scheduler, segment slicing and least-recently-used file overwriting.

#### Powerful video playback capabilities:

- Full Triplex operation: simultaneous playback of any video segment during recording.
- Smart random access marks provide virtually instantaneous and accurate random access.

#### Built-in security features:

- Supervisor- and user-access levels can be set up.
- Flexible permissions control for every individual camera or action.

\*Design and specifications are subject to change without notice

## SPECIFICATIONS



Vcast Surveillance System	
<b>Inputs</b>	
Video Channel	Up to 8 channels (via female BNC connectors) to single interface card (DB25 cable/ connector) Up to 32 channels to 4 interface cards (optional)
Video Input	NTSC or PAL (user-selectable)
<b>Outputs</b>	
Streaming Media Format	MPEG 4
Video Output	Multiple video viewing panes up to 16 panes Selectable video channel on TV monitor (via optional MASR Card)
Export File Format	MPEG, JPEG or AVI
Max. Concurrent Streams	Multi channel real time previewing and recording
Frame Rate	Up to 25 fps (PAL) or 30 fps (NTSC)
Maximum Resolution	Up to 704x240 (NTSC) or 704x288 (PAL) for each channel
Other Features	Adaptive 3D (temporal) video filtering circuit for dramatic noise reduction and quality improvement Independent video AGC for each channel
<b>Storage</b>	
Video Storage	72GB (160MB/s) High-performance Removable Harddisk
	CD-ROM, CD-RW, 3.5" Floppy Disk
	RAID stripping with ADST™ Technology (optimized for video streaming)
Options	1 or 2 Gigabits Fiber Channel HBA (support SAN/NAS) Backup Tape Drive (20/40GB DDS4)
<b>Network Connectivity</b>	
Network Interface	10/100Mbit Ethernet, 1 Gigabit Copper Ethernet
Options	Modem, ISDN (BRI or PRI), One Gigabits Ethernet, ATM
<b>Base System</b>	
Processor	Dual Intel®Xeon 2.8GHz or above
Memory	1GB ECC Registered DDR SDRAM
Operating System	Microsoft®Windows XP Professional
<b>Power Supply</b>	
Input Voltage	115 VAC (90 to 132 VAC related input) or 230 VAC (180 to 264 VAC related input)
Output Power	Max. 10Amp (115 VAC) or 5.5 Amp (230 VAC)
<b>Software Bundled</b>	
Software	Video Spider Remote Control
<b>Others</b>	
Chassis	2U (3.46") H x 19" (W) (Rack Mount Chassis) 88.1 mm (H), 609.6 mm (W), 431.8 mm (D)
Environmental	Operating: 5° C to 40° C (temperature), 20 to 80% (relative humidity) Non-operating: -40° C to 85° C (temperature), 10 to 90% (relative humidity)
Channel Feature	Independent camera properties control Optional camera pan, tilt, zoom, focus controller and external alarm connection
Ports	1 parallel port for up to 13 alarm sensor 1 serial (RS232) port for PTZ controllable camera

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