

Advanced technologies and modern solutions from GeoVision are helping to make digital surveillance a practical reality with dynamic possibilities. As a leading provider for digital surveillance systems, we provide a broad spectrum of important benefits in the local and remote site, CMS and management as well as integrations for public and commercial security markets.

Local

GV-Surveillance system provides intelligent video recording solutions for every operation on the local server. It records and monitors local video, audio, and text data, as well as controls alarms, cameras and peripherals. System highlights are the intelligent video content analysis, superior live video display, cutting-edge video compression technique, and efficient alarm management to reduce false alarms. Strong and multiple search abilities are developed to easily and quickly trace important information. The user-friendly interface facilitates everyday operation and shortens training period. The system is designed for easy upgrade and offers a series of flexible connection, backup and language options.

Remote

GV-Surveillance system is designed especially for remote monitoring and remote configuration. The GV surveillance host system can be accessed by remote surveillance systems or users at a remote location. Monitoring, recording, search and playback can all be implemented over TCP/IP. Users can remotely access video, audio and text data via IE browser, 3G mobile phone, Smart Phone, PDA, or GV remote monitoring applications. With the powerful remote monitoring functions, video surveillance can be implemented without limitations of time and distance.

CMS & Management

GV-Surveillance system facilitates a centralized control and management of numerous systems over TCP/IP networks. Combined with GeoVision central monitoring software, it offers the capability for centralized video surveillance services as well as control and management. Key functions are real-time video surveillance, central operation, alarm management, vital sign monitoring, video distribution, and system control. The central monitoring and control of the systems provide high security for commercial, residential, and industrial surveillance in a time-and-cost efficient solution.

Integration

The dynamic developments in video surveillance technology have resulted in innovations in system integration and value-added benefits. GeoVision surveillance system provides cost efficient and optimal security through integration with POS cashier, license plate recognition, access control systems, and IP solution. They are commonly integrated into comprehensive security video management systems as solutions for commercial markets (e.g.: retail, bank, building, casino, parking, logistic center) and public security (e.g.: airport, schools, transportation).

Local



Remote



CMS & Management



Integration



V8.1 Key Features

- Face Detection
- Visual Automation
- Privacy Mask (ViewLog)
- Alarm Report (Center V2)
- Timeline Search (ViewLog)
- Deblocking Render (ViewLog)
- Stopping Video Lost Watchdog
- Touch Screen Support (ViewLog)
- Mobile Server Support (WebCam)
- Backup with Direct Burn (ViewLog)
- POS Live View Support (WebCam)
- Network Port Information (WebCam)
- Password Expiration Management
- Different Text Alignment for Each Channel
- Color Flags (Center V2 / Dispatch Server)
- Video Resolution Up to 1920 x 1200
- Adding Colors to Channel Headings (Center V2)
- Adding Backup Servers (Center V2 / Dispatch Server)
- Virtual I/O (Main System / Center V2 / Control Center)
- Address Book Import / Export (Center V2 / Dispatch Server)
- GV-Video Server Support (Main System / Center V2 / Dispatch Server)

Technical Specifications

Model		GV-600	GV-650	GV-800	GV-1120	GV-1240	GV-1480	GV-2004	GV-2008
Video Input		4,6,8,10,12,14,16	4,8,12,16	4,8,12,16	8,12,16	8,16	16	4	8
Audio Input		1	2	4	8,12,16	8,16	16	4	8
TV Output		No	No	No	1	1	1	1	1
Recording Rate	NTSC	30 fps	60 fps	120 fps	120 fps	240 fps	480 fps	120 fps	240 fps
	PAL	25 fps	50 fps	100 fps	100 fps	200 fps	400 fps	100 fps	200 fps
Display Rate	NTSC	30 fps	60 fps	120 fps	480 fps	480 fps	480 fps	120 fps	240 fps
	PAL	25 fps	50 fps	100 fps	400 fps	400 fps	400 fps	100 fps	200 fps
Input Type		BNC: BNC x 4 D-Type: DB15 x 2			DB15 x 2 (Video) DB9 x 2 (Audio)			DB15 x 1 (Video & Audio)	DB15 x 2 (Video & Audio)
Dimension (W x H)		145 x 97 mm	175 x 98 mm		195 x 100 mm			195 x 102 mm	240 x 102 mm
Video Compression		Geo MPEG-4, Geo MPEG-4 ASP, Geo H264							
Compression Rate		Variable, 300:1 Maximum							
Video Resolution		D1, Half D1, CIF Resolution							
Video Signal Type		NTSC, PAL							
Networking		TCP / IP, LAN, WAN, Internet, Modem Dial-up, Modem-to-Modem, ISDN							
Backup Device		HDD, NAS, CD-R / R-W, DVD±R / ±RW, DVD±R (DL), ZIP, JAZ							
Operating System		Windows 2000, Windows XP, Server 2003							
PTZ Control Protocol Support		Ademco Juptier	JEC	Pelco P-version (Spectra Series) / D-version protocol					
		Bosch (TC8560 / TC700)	JVC (TK-S576B / S655)	Sony (EVI-D100 / 100T)					
		CPT-V9KRV	Kalatel Cyber Dome	Samsung (SPD-1600 / SCC-641 / SCC-643)					
		Canon VC-C3 / VC-C4	Kenko (DMP23-H1)	Sensomatic (ULTRA IV)					
		D-Max Dome	KZC	SAE (DR-E598)					
		DiGi Dome (DOH-240)	LiLin PIH-7000 (17X) / PIH-7600 (22X)	TOA (CC551)					
		DynaColor (D-7720 / D-7722)	/PIH-7600PL / PIH-7625(25X)	VIDO Dome					
		DynaColor Dome	Mintron (54G2AHN/P)	YOKO (YK-2E00)					
		DPerception (PTU-D46)	MZC (IR6018DN)	YAAN					
		Eltar (EL-PT830)	Minking	ZC (S122)					
		Elbex	MESSOA (SDS 600 Series)						
		Hi-Sharp (HS-CC600)	Panasonic (WV-CS850 / CS854)						
		JEC (ETXK8000)	PTZ in I/O						
Language		English / French / German / Hebrew / Hungarian / Italian / Japanese / Polish / Portuguese / Russian / Simplified Chinese / Spanish / Traditional Chinese							



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Awards



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Surveillance System



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GV-Series Surveillance System

- Real-Time Recording and Display
- 16 Channels Audio Recording and Playback
- Video Compression Technology : GEO MPEG-4 ASP, GEO H264, H/W MPEG-2
- Full D1 Resolution
- User Friendly Interface
- Multilanguage
- Multifunction: Monitoring, Recording, Remote Viewing, Remote Management & Control
- Seamless Integration : GV-POS/ATM DVR, GV-LPR, GV-CMS, GV-Access Control, GV-MultiQuad Solution, Hybrid Solution, 3G Live Viewing, Building Automation, Security Services

GV-Surveillance System

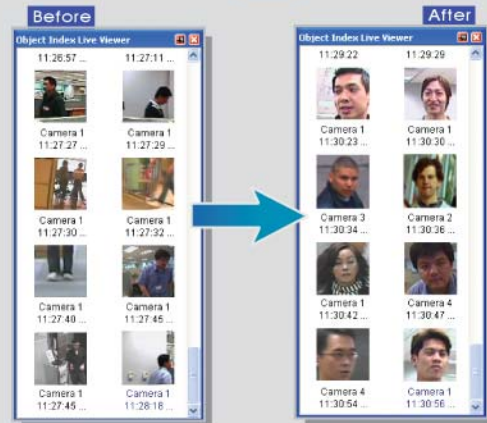
Your security is priceless, but the cost does not have to be high

Surveillance technology has been advanced to vertical integration and technological convergence. GeoVision knows your security is priceless, and you can never have enough functions of your surveillance system. With GeoVision's GV-Surveillance System, we are able to provide cost-effective functions and applications for integration and convergence. Good technologies are priceless but definitely affordable.

Intelligent Monitoring, Recording, Playback, Analytics, CMS Management & Control

Video Monitoring & Analytics

■ Face Detection **New**



Face Detection is a feature that captures human faces for fast video retrieval. It is used to find human faces in recorded color images. It can handle a complex background and ignore any other body segment.

► GeoVision's powerful image analysis algorithms provide several predefined events for video analysis of significant occurrences.

- Unattended and Missing Object Detection
- Privacy Mask
- Scene Change Detection
- Object Counting
- Object Tracking

■ Visual Automation **New**



Visual Automation can be used to operate electronic appliances by triggering the output device. This means that you can control an appliance (e.g. Light On / Off ; Door Open / Close) by simply clicking its image on the monitor.

■ Virtual PTZ and I/O Control **New**



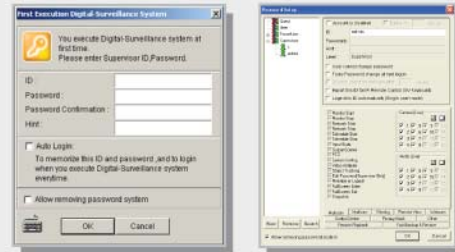
Virtual PTZ and I/O have two types of control methods-via GUI control panel and a direction icon on the image.



These devices can be controlled by a simple click on the direction icon on the image or by using the control panel.

■ Password Management **New**

Password Management provides best security practices in surveillance system. Features include user authentication, account edit and more.



■ Hardware Compression **New**

GV-2004 and GV-2008 (**Hardware Options**) are MPEG-4 / 2 hardware compression video capture cards. They are both real-time and can reach full D1 resolution in live and recorded video. Recommended for high-profile security areas.

Note Two GV-2008 cards can be stacked together for 16 channels 480 FPS display.

■ Touch Screen

■ Notification and Alert

■ I/O and Alarm Management + E-Mail

■ Multiple UI Resolution Support up to 1920 x 1200 Resolution **New**

Integration

■ Access Control Integration **New**



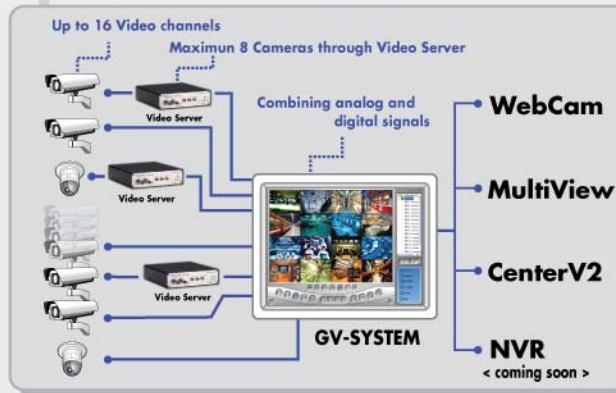
GV-Wiegand Capture box (**Optional**) can be used to integrate Wiegand Access Control with GeoVision DVR system. Photo ID and text data can be combined on video and used to retrieve video.

■ Spot Monitor **New**



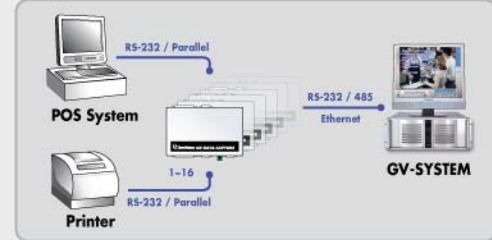
GV-Multi Quad Card (**Optional**) allows you to adopt a Spot Monitor or TV monitoring solution in your surveillance system. The GV Multi-Quad supports a main monitor displaying up to 16 live streaming video feeds, and 4 call monitors displaying separately with up to 4 camera feeds. When the camera detects motion or the burglar alarm is triggered, a live image pop-up will appear in the main or call monitors for alarm notification.

■ Hybrid Solution **New**



GV-System provides a hybrid solution of IP surveillance that would integrate with existing analog cameras through the GV-Video Server (**Optional**).

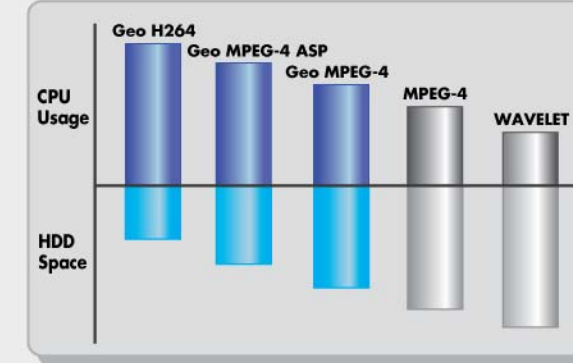
■ DVR-POS/ATM Integration



The GV-DVR can be combined with GV-Data Capture (**Optional**) to provide POS/ATM feature. By bringing video and transaction data together, the POS-ATM feature provides visual context awareness to the users and helps reduce shrinkage and fraud loss. The newly-released Ethernet module supports up to 16 POS systems or cash registers to transmit video and context information via Ethernet. Major features include POS live view and playback through WebCam, search by keywords, keyword-triggered I/O and PTZ, and abnormal transaction alerts etc.

Recording

■ Video Compression Technologies



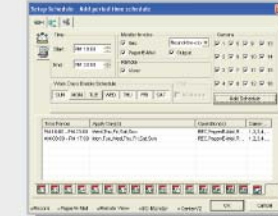
GeoVision surveillance system provides three advanced video compression codecs: Geo H264, Geo MPEG-4 ASP, and Geo MPEG-4. You may choose any of the video codecs provided to meet your specifications, infrastructure and budget requirements. Compared to the industry's standard MPEG-4, Geo H264 enables higher quality, lower bit rates, lower system cost and new applications for video surveillance and security. Although Geo MPEG-4 needs higher bit rates than Geo H264 to produce the same results, it significantly reduces CPU usage and supports total frame rate 480 fps per system.

■ Advanced Motion Detection



Advanced Motion Detection allows multiple sensitivities setup within multiple regions. It is suitable for large scale security monitoring.

■ Schedule Recording



- Address Book
- Motion Detection
- Digital Watermark
- Pre & Post Recording
- Alarm-Triggered Recording
- Pre-Recording Using HDD
- Round-the-Clock Recording
- Adjustable Recording Quality

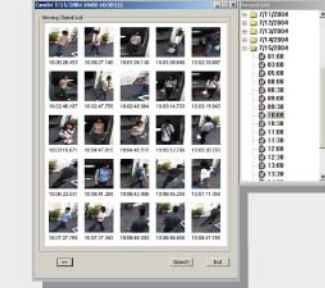
Playback & Search

■ Timeline **New**

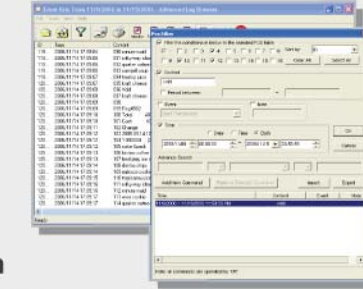


Timeline enables users to locate a specific video recorded on a time frame via an easy-to-browse graphical tool. Timelines can display minutes and seconds, search and playback videos.

■ Index Search



■ Event Search



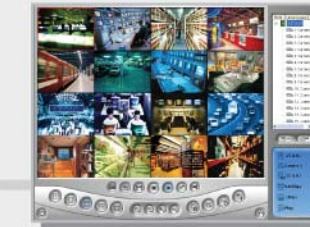
- Quick Search
- Object Search
- Instant Playback
- Thumbnail Browse
- Backup With Direct Burn **New**
- Multiple Format Export (EXE, AVI, DVD)

CMS Management & Control

■ 3G Mobile / PDA Remote Viewing & Management

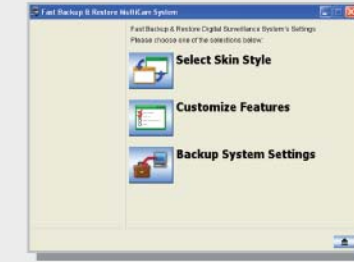


■ WebCam & MultiView with Multi-Host Support

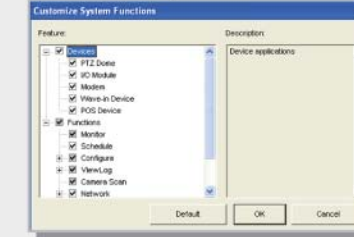


Easy Management

■ Selectable GUI Skin



■ Custom System Features



- Custom DVR Setting Template
- Easy Configuration Backup & Restore
- Custom Logo, Standby & Video Lost Screen

Add-On IT Technology

- UPnP™
- Backup Server **New**
- RSA Network Security
- Authentication Server
- SSL Encrypted Connection
- User-Definable Bandwidth Control

■ GV-Center V2 Pro (**Optional**)



- Mobile Server **New**
- GV-Dispatch Server (**Optional**)
- Network Port Information **New**
- GV-Vital Sign Monitor (VSM) (**Optional**)

