GeoVision

GV-Series Digital Video Surveillance System

FULL FEATURE LIST

▶ **Monitoring**

- Hybrid Solution integrating analog videos with digital videos from GV-IP video products and third-party IP cameras (*)
- Codecs: Geo H264, Geo MPEG4 ASP, Geo H264 V2 (*)
- Multithreading Encoding (*)
- Higher Screen Resolutions (1920 x 1200, 1680 x 1050, 1600 x 1200, 1280 x 800, 1440 x 900 and 1920 x 1080)
- Noise Tolerance for Motion Detection
- Noise Detection to Reduce File Size (*)
- Noise Filter to Filter Out Video and Audio Noise (*)
- Report Generator
- Support for Cardholder data from GV-Video Server
- Touch Screen Support
- Full screen view
- Dual display operation for live monitoring and ViewLog playback on two monitors
- Screen pop-ups on motion or alarm activation
- Object counting
- Object tracking and zooming by PTZ domes (*)
- Unattended and missing object detection
- Alarm on objects passing between predefined regions
- Digital watermark
- Video lost detection
- On screen video loss message
- Video de-interlace filter
- E-map
- Windows lockup
- Image size indicator
- Synchronized video an audio

- Backlight compensation
- Video auto gain controller (*)
- Video scaling filter
- AVI repair utility
- System log
- Support 1,000 accounts for logins and passwords
- Multi level passwords protection
- Use Microsoft Remote Desktop to control another GV-System
- Twin DVR
- Embedded I/O devices control
- Embedded PTZ control panel
- Support dynamic IP address
- Password Expiration Management
- System Idle Protection
- Spot Monitor Controller
- POS Live Viewer
- Photo-ID Integration (GV-WT)
- Hard Disk Calculator (*)
- Authentication Server

▶ Intelligent Recording & Playback

- Choice of recording at 15, 30, 60, 120, 240 and 480 fps (*)
- Recording trigger by round-the-clock, motion detection, alarm and schedule
- Adjustable recording quality and frame rate for each camera
- Pre-motion and post-motion recording
- Supports Windows XP / Server 2003 burning software
- Pre-Recording Using HDD (*)
- Advanced Round-The-Clock Recording (*)
- Instant Playback
- Time Merge From Different Clips
- Splitting Files for Backup onto Multiple Discs
- Extracting Frames from a Video Clip During Playback

▶ Audio

- 16 channels of live audio streaming and recording

Video Analytics

- Advanced Motion Detection
- Face Detection
- Unattended and Missing Object Detection
- Privacy Mask
- Scene Change Detection
- Enhanced Object Counting
- Intrusion Alarm
- People Counting
- Picture-In-Picture (PIP)
- Picture-And-Picture(PAP)
- Panorama View
- Video Stabilization
- Defog Function

Smart Search & Ease Playback

- Timeline Search
- Face Detection for Object Index
- Object search
- Index search
- Object Index
- Thumbnail browse for ease of search for specific frames within video footage
- Export a video footage within a specified time range
- Synchronized audio and video for both live and playback modes
- Continues playback of set frames A to B
- EXE format export, playable with any third-party players
- AVI format export in multiple screens mode
- DVD format export for Hybrid Card format files
- Option for recycling the input-triggered events (Never recycle function)
- Backup, save AVI and BMP functions accessible in LAN ViewLog
- Automatic refresh of the video event list in LAN ViewLog

▶ Notification

- E-mail notification with attached video images on motion and alarm activation
- E-mail or telephone notification on video lost or I/O error
- Directs PTZ dome to a preset location on motion and alarm activation
- SMS alerts available in Main System, Center V2 and Vital Sign Monitor
- Alarms on objects that pass between predefined regions

▶ WebCam - Remote Surveillance

- POS Live View via IE Browser
- 3G Mobile Phone Support (3GPP)
- SSL Encrypt Connection Support
- UPnP™ Support
- Control Panel on Single View to Provide Instant Information and Operation
- Support PIP, PAP, Defogging Live Videos, and Video Stabilizer in Single View
- Restricting Power User and User to Access WebCam Server at Specified Time Length
- Event List Query
- Download Center
- Drag-and-Drop Support for Camera, PTZ and I/O Icons on the 2 Windows of MPEG4 Encoder Viewer
- Remote E-Map
- Pop-up Live Images upon Input Trigger in Remote E-Map

▶ Advanced I/O Control

- Visual Automation
- Virtual I/O Control
- One-Click I/O Status Control
- Multiple I/O Types Selection
- Latch Trigger Feature

▶ Mobile Phone Application

- Support 4, 9, and 16 screen divisions
- PTZ control via directional buttons
- Channel switch via middle button
- Support for Nokia S60 3rd Edition

Profile Management

- Selectable GUI Skin
- Custom Start-Up Splash Screen, Non-Active Video & Video Lost Screen
- Customizing System Features
- Easy Configuration Backup & Restore
- Custom DVR Setting's Template

Remote Monitoring Software

- Remote View
- IP Multicast
- WebCam
- Remote Playback System
- G-View for WinCE PDA
- I-Mode

IT Technology

- RSA Network Security
- Authentication Server: central control of password settings in local GV-DVRs

Central Monitoring Station (CMS)

- Center V2
- Vital Sign Monitor
- Dispatch Server
- Control Center

▶ **Integration Solution**

- Point-Of-Sale
- Licence Plate Recognition

(*) Note: Not supported by GV-NVR

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