

# GV-DVR

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### Monitoring

- Support for 32 channels in GV-System and CMS applications
- Support for GPU decoding
- Digital Matrix, support maximum 8 monitors display
- Hybrid Solution integrating analog videos with digital videos from GV-IP video products and third-party IP cameras (\*)
- Codecs: Geo H264, Geo MPEG4
- Multithreading Encoding (\*1)
- Higher UI Screen Resolutions (1920 x 1200, 1680 x 1050, 1600 x 1200, 1280 x 800, 1440 x 900, 1920 x 1080 and 1280 x 1024)
- Noise Tolerance for Motion Detection
- Noise Detection to Reduce File Size (\*1)
- Noise Filter to Filter Out Video and Audio Noise (\*1)
- 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
- Advanced Motion Detection
- Digital watermark
- Video lost detection
- On screen video loss message
- Video de-interlace filter
- E-map
- Windows lockup
- Image size indicator
- Synchronized video and audio
- Backlight compensation
- Video auto gain controller (\*1)
- 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 (\*1)
- Authentication Server
- Colorful Mode to enhance video color
- Live view buffer and frame rate control
- Wide Angle Lens Dewarping
- Dual stream on-demand display(\*2)
- Fisheye GPU Dewarping(\*2)
- 3rd party Fisheye Dewarping(\*2)

- Support 3rd party IP Cameras - see IP Camera Support List(\*2)
- Support ONVIF, PSIA, RTSP protocol(\*2)

### **Intelligent Recording & Playback**

- Choice of recording at 30, 60, 120, 240, 480 and 960 fps (\*1)
- 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 / Vista / 7 / Server 2008 burning software
- Pre-Recording Using HDD
- Advanced Round-The-Clock Recording (\*1)
- Instant Playback
- Time Merge From Different Clips
- Splitting Files for Backup onto Multiple Discs
- Extracting Frames from a Video Clip During Playback
- Support for Daylight Saving Time (DST)
- Playback of GPS tracks from GV-Compact DVR and GV-Video Server
- Support for recording in standard type of H.264, MPEG4 and JPEG codec
- Support for saving dewarped fisheye view in AVI format
- Wide Angle Lens Dewarping
- Support for configuration change without stopping recording
- Compact Video files

### **Audio**

- 32 channels of live audio streaming and recording

### **Video Analytics**

- Object Counting
- People Counting
- Intrusion Alarm
- Face Detection
- Privacy Mask
- Unattended and Missing Object Detection
- Scene Change Detection
- Advanced Scene Change Detection
- Advanced Unattended Object Detection
- Advanced Missing Object Detection
- Advanced Motion Detection
- Panorama View
- Video Stabilization
- Defog Function
- Crowd Detection
- Object tracking and zooming by PTZ domes
- Object tracking in fisheye view
- Single PTZ Tracking
- Digital Object Tracking
- Face Count
- Camera Popup
- Video Lowpass filter

## 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)

## 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
- Skype Video Utility to notify upon motion / input trigger (\*3)

## WebCam - Remote Surveillance

- POS Live View via IE Browser
- Support for connection with POS devices using OPOS and TCP/IP protocol
- 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
- Multicast
- Audio Broadcast

## Advanced I/O Control

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

## 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

- WebCam
- Remote Playback System
- Android Smartphones
- iPhone / iPod / iPad

## IT Technology

- RSA Network Security
- Authentication Server: central control of password settings in local GV-DVRs
- Authentication Server: Support for Windows Active Directory

## Central Monitoring Station (CMS)

- Center V2
- Vital Sign Monitor
- Dispatch Server
- Control Center
- GV-GIS (Geographic Information System)

## Integration Solution

- Point-Of-Sale
- EAS Integration
- Access Control
- Megapixel Integration
- Licence Plate Recognition
- Central Monitoring Station

### Note :

1. (\*1) Not supported by GV-NVR
2. (\*2) Not supported by GV-DVR
3. (\*3) Skype version 7 or later is not supported currently