V8.3 32 ch DVR / Hybrid DVR / NVR

www.geovision.com.tw

Taipei Headquarter

9F., No. 246, Sec. 1, Neihu Rd.,
Neihu District, Taipei 114, Taiwan
Tel: +886-2-8797-8377
Fax: +886-2-8797-8335
Email: sales@geovision.com.tw
http://www.geovision.com.tw

USA Vision Systems Inc.

9235 Research Drive
Irvine, CA 92618, USA
Tel: +1-949-583-1519
Fax: +1-949-583-1522
Email: sales@usavisionsys.com
http://www.usavisionsys.com

Europe Vision Systems s.r.o.

Pod vinicí 2028/20
143 01 Praha 4, Česká Republika
Tel: +420-225-371-121
Fax: +420-225-371-131
Email: sales@geovision.eu
http://www.geovision.eu

GeoVision Japan Inc.

Tomiokabashi Bldg. 5F,
2-6-11 Fukagawa Koto-ku,
Tokyo 135-0033 Japan
Tel: +81-3-5639-9355
Fax: +81-3-5639-9356
Email: sales@geovision.co.jp
http://www.geovision.co.jp

GeoVision UK Ltd.

CBXII West Wing,
382-390 Midsummer Boulevard,
Milton Keynes, Buckinghamshire,
MK9 2RG UK
Tel: +44-1908-847-608
Email: sales@geovisionsystems.co.uk
http://www.geovisionsystems.co.uk

Shanghai GeoVision System Co., Ltd.

Office 1906, No.1038 Nanjing West Road
Shanghai, China
Tel: +86-21-6217-3366
Fax: +86-21-6217-0023
Email: sales@geovision.com.cn
http://www.geovision.com.cn

## ▶ GeoVision Collaborative DVR / Hybrid DVR / NVR

As No.1 worldwide provider of PC-based Video Surveillance Solutions, GeoVision offers cutting-edge collaborative DVR/Hybrid DVR/NVR designed to address your specific security surveillance needs. Built upon comprehensive and easy-to-integrate hardware and supporting technologies, the GV-DVR/Hybrid DVR/NVR is a core system that provides performance-optimized video monitoring and various advanced video control features to support many of enterprise's management functions. GV-DVR/Hybrid DVR/NVR is a scalable, extensible system that can be customized and seamlessly integrated with other security system applications, such as central monitoring, POS, and access control. With GV-DVR/Hybrid DVR/NVR, GeoVision brings you the advantage of low cost of ownership and great ROI in security surveillance, while ensuring your business operation and management efficiency is maintained at maximum level.

| Main Screen 32 Channels | Normal / Quad / Scan | Alarm / Event / IO Full Screen | Overview / 16 Channels |

One PC supports up to 8 monitors to provide Digital Matrix function

▶ GV-DVR

GV-Series is a PC based digital surveillance system, designed to process up to 32 channels of video, audio, data and intrusion alarm from local and remote network surveillance environment. With more special features and integration versatility provided, GV-Series streamlines surveillance operation performance as well as enhances management efficiency which can quickly fulfill various customer particular security requirements.

● GV-600   ● GV-650   ● GV-800   ● GV-1120

● GV-1240   ● GV-1480   ● GV-2008   ● GV-3008 **New**
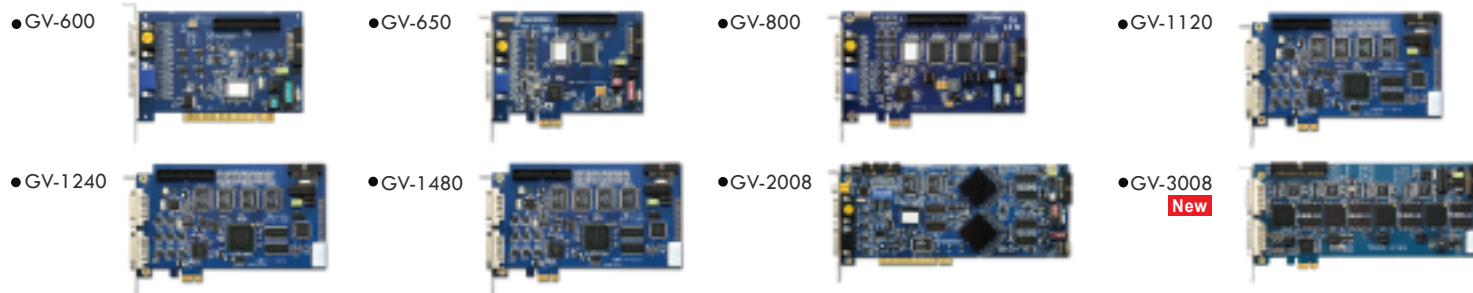
▶ GV-Hybrid DVR

GV-Hybrid DVR provides a mix solution for the IP infrastructure that enables users to view and manage videos received from both analog cameras and up to 32 IP cameras via existing uniform, multi-functional user interface.

▶ GV-NVR

Designed purely for the digital network environment, the 32 channels GV-NVR is a professional IP-based surveillance management software which provides performance-optimized video monitoring and various advanced video analytics/control features to support over 100 IP camera models from more than 10 branded IP camera manufacturers. The GV-NVR now supports:

- Arecont Vision
- AXIS
- CANON
- GeoVision
- IQinvision
- JVC
- MOBOTIX
- Panasonic
- Pelco
- SONY
   More...

- 32 Channels
- H.264, MPEG4, MJPEG codecs
- Resolution from CIF up to 5 Mega pixel
- 2-way audio
- Video Analytics functions
- POS / Access Control / LPR integration
- Mobile phone live view and playback
- CMS
- I/O device accessories

▶ IP Product

GV-Video Server

W174 x D145 x H40 (mm)
(W6.6 x D5.7 x H1.6 inch)

Support GIS+GPS

H.264 Video Server New

W106 x D143 x H25 (mm)
(W4.2 x D5.6 x H1.0 inch)

H.264/MPEG4/MJPEG Decoder New

W106 x D143 x H25 (mm)
(W4.2 x D5.6 x H1.0 inch)

- Dual streaming
- Support 3GPP
- Support GPS Optional
- Support 3G/3.5G/UMTS modem Optional
- Support wireless 802.1 b/g Optional
- Support recording to USB external storage

GV-Megapixel IP Cam 1.3M

Box Camera without Lens
(CCD)

Varifocal Camera
(CCD)

Vandal Proof Dome
(CCD)

Mini Fixed Dome (CMOS) New

Mini Fixed Dome Rugged (CMOS)
(IP 66) New

- 1.3 megapixel SONY progressive scan CCD/CMOS
- Support Dual Streaming MJPEG and MPEG4
- 2-way audio for CCD models and mic in for Mini Fixed Dome
- 3GPP/ISMA mobile application
- Powered by 12V DC or PoE
- Built in Video Motion Detection
- Color and D/N options for CCD models

GV-IP Speed Dome Indoor New

GV-IP Speed Dome Outdoor New

- Provide 18X, 23X, indoor and outdoor models
- Support CIF and D1 resolution
- Preset speed up to 400°/sec.
- Auto-Calibration
- Digital Image Flip
- Schedule function
- Up to 24 privacy masks
- Minimum illumination 0.01 Lux (B/W)
- Wide Dynamic Range (23X model)

▶ Compact DVR

GV-Compact DVR

GV-Compact DVR (Anti Vibration) New

Support GIS+GPS

- MPEG-4 ASP video compression
- 4 Channels of video and audio recording and playback
- TV/VGA output with spot monitor
- Support digital I/O
- Support GPS Optional
- Support 3G/3.5G/UMTS modem Optional

▶ Windows Based DVR & Storage System

GV-Hot Swap DVR System V3

HDD Status

20 Bays New

10 Bays

2 Bays

- Powered by Intel® Core™2 Quad
- Support 32-channel DVR (Max. 960 FPS with CIF format)
- Support 32-channel GV-NVR, pure IP surveillance
- Maximum storage capacity of more than 20 terabytes
- 2 / 4 / 6 / 8 /10 / 20 hot-swappable SATA HDD for data storage
- Quick indication of activity status of HDDs
- RAID data protection for 8 & 10 bays Optional

GV-Mini DVR System V2

- Small lightweight design
- Hot swap drive enclosure
- Built-in IR remote control receiver
- Built-in I/O capabilities
- eSATA connector for data storage expansion
- Recovery DVD in case of failure

GV-Storage System

- Extended storage over Ethernet
- Dual gigabit iSCSI ports
- Easy to operate and maintain
- 8TB storage capacity or higher (Max. 480 FPS for 8 Weeks)
- RAID 0 / 1 / 5 / 6 / 10 / 50 / 60/ JBOD
- Easy data backup with Backup Server
- Connection to Video Server & Compact DVR for recording

▶ Accessory

- **GV-NET I/O Card V3.1**
  Provides 4 inputs and 4 AC/DC relay outputs.

- **GV-I/O 12-In Card V3**
  Provides 12 digital inputs; works with GV- NET/IO Card.

- **GV-I/O 12-Out Card V3**
  Provides 12 relay outputs; works with GV-NET/ IO Card.

- **GV-NET Card V3**
  RS-485/RS-232 interface converter.

- **GV-Loop Through Card**
  16 channels loop through from capture card.

- **GV-Multi Quad Card**
  Supports 1 main and 4 call monitors.

- **GV-IO Box 4/8E/16E**
  Provides inputs and AC/DC relay outputs.

- **GV-Relay V2**
  Provides 4 digital relay outputs from source of GV-I/O output.

- **GV-COM**
  Provides one additional RS-232/RS-485 COM port through USB port.

- **GV-Battery**
  Power backup for GV-AS200,GV-VS02, and GV-Compact DVR.
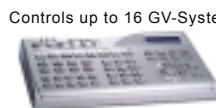
- **GV-Data Capture V3/V3E**
  For POS integration with optional Ethernet module.

- **GV-Wiegand Capture**
  For Access Control System integration.

- **GV-Keyboard V2**
  Controls up to 16 GV-Systems.

- **GV-IR Remote Control**
  Remote control for GV-System.

- **GV-Joystick**
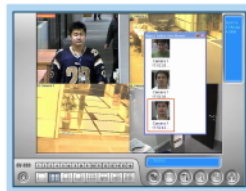 Full control to the PTZ devices.
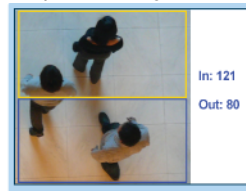
- **GV-GPS** New
  For GIS mobile application.

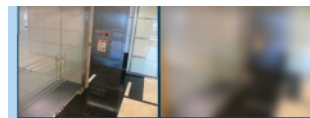Panorama View **Optional**

Face Detection

People Counting

In: 121
Out: 80

Tempered Alarm

Visual Automation

Defog **Optional**

Unattended Object Detection

Intrusion Alarm
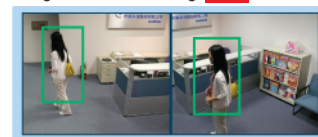

Focus Changed Alarm

Fix Camera + PTZ Tracking
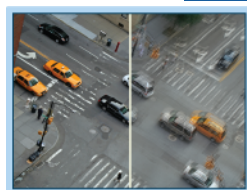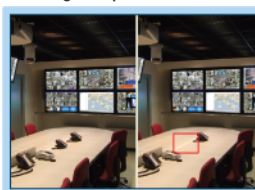

Camera Shifted Alarm
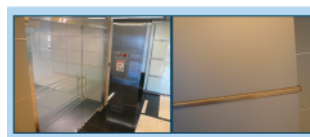
Single PTZ Tracking **New**

Video Stabilization **Optional**
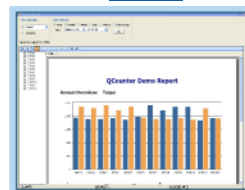

Missing Object Detection

Intelligent Search

Crowd Detection **New**

QCounter **Optional**

▶ GV-CMS

GV-Video Server →
GV-Megapixel IP Camera →
GV-Compact DVR →

← GV-DVR
← GV-NVR
← GV-Hybird DVR

GV-Control Center groups thousands of clients' connection into smaller set for easier management and administration. GV-IP Matrix features up to 384 live video streams using 4 monitors. Software and hardware configuration can be done remotely. In case of event, video signals can be routed to secondary display such as TV Wall for easy identification of the object. Of course PTZ support and two-way audio communication are also supported.

GV-Center V2 Pro receives up to 19 most frequent alert of notifications via live video, video attachment and text-based messages. When alert conditions such as intrusion, fire, video lost and system abnormality occur, it can also trigger remote digital output relay, PTZ control and send SMS/email notification to multiple recipients. Events and handling processes can be gathered and summarized as report for later inspection.

GV-Vital Sign Monitor is similar to Center V2 but using text-based notification only, which allows double size of client connections (1000 concurrent links) for centralized management.

GV-Dispatch Server balances Center V2 Pro network load, distributes client DVR requests from 25,000 GV-Systems to 50 Center V2 Pro, views real-time events, and tracks Center V2 Pro and Dispatch event logs.

▶ GV-GIS

GV-GIS **New**

GV-GIS solution is designed for City Surveillance and Vehicle Mobile Surveillance. It is integrated with optional third party Google Map and Microsoft Map with very detailed map information even with satellite images. Fixed cameras of GV-DVR/GV-Hybrid DVR/GV-NVR can be easily placed into the map of GV-GIS for large scale projects. Vehicles which install GV-Video Server/GV-Compact DVR with GV-GPS can be monitored with video/audio/location/speed by GV-GIS. GV-GIS is able to play back the route with video. Alarm can be set for over speed, stop overtime, out of authorized region etc.

## ▶ Solution

Retail Solution

GeoVision Retail solution provides a number of video monitoring solutions with visual contextual awareness that can help business owners protect their business as well as reducing shrinkage through POS and cash register integration. GeoVision People Counting function and QCounter visualization tool provide business owners with value added information for business decision. Integration with EAS provides an effective solution to shorten the process of handling alarm events and to provide a customer care service.

▶ GV-Access Control

GeoVision Access Control System is an easy-to-use, video-integrated, and networked access control solution, suitable for home, small businesses and even multinational enterprises. The comprehensive management software package provides seamless integration with GeoVision DVR, NVR and IP products, which gives you easy access to both live and recorded video from any access event.

GV-ASManager
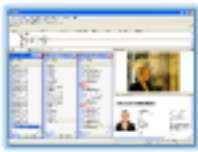
- Comprehensive administrator/cardholder/schedule/access point management system
- Manages up to 255 controllers
- Video integration with GeoVision DVR/Compact DVR/Video Server/IP camera and 3rd party IP cameras
- Supports both ACCESS and SQL Server database

GV-ASRemote
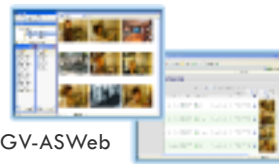
GV-ASWeb

- Monitors multiple GV-ASManager or selective doors
- Remote live view, video playback, and door/alarm operation
- Searches historical log with associated video and snapshot via the Internet
- Report export in Excel, HTML, and Text format

GV-AS200 2-4 Door Controller

- Supports up to 10,000 cards
- Supports 4 inputs and 3 outputs
- Network communication via RS485 or TCP/IP **Optional**
- Interzone function
- Anti-passback; Anti-duress password
- Compatible with Wiegand readers (26~40 bits)
- Two-person A/B card rule

GV-EV16 Elevator Controller **New**

- Standalone elevator controller; controls 16 floors; expandable to 32 floors
- Restrict access on floor levels at specific time
- Supports 2 Wiegand readers
- Network communication via TCP/IP
- Event buffers stored in SD card

GV-AS100 Single Door Controller **New**

- 1,000/10,000 cards (standalone/networked mode)
- Smartcard reader - 13.56MHz ISO 14443 A&B and ISO15693
- CapSense keypad with LCD display
- One Wiegand reader port (26~64 bits)

GV-ASBox AS100 Network Expansion **New**

- Adds network function to AS100
- Web interface configuration
- Extendable to 8 inputs and 8 outputs. 4 outputs for lighting on/off control (energy saving)
- Routes digital I/O controls from AS100 to avoid tamper
- One extra Wiegand reader port (26~64 bits)

GV-Reader/Cards/Tags

- GV-Reader 1251: 125kHz card reader
- GV-Reader 1352: 13.56MHz ISO14443A card reader
- Supports Wiegand (26 bits) and RS485 interface
- Fully compatible with GV-AS ID Cards and Tags

AS-Keypad

- Required for AS200 configuration
- System information display for installation and maintenance

▶ GV-LPR

GeoVision LPR/ANPR product line provides a total solution for License Plate Recognition. It provides both analog and IP solution for parking lot, logistics fleet management, traffic control ITS and police enforcement applications. The solution can seamlessly integrate with GeoVision surveillance system.

GV-LPR

GV-LPR is a Windows-based license plate recognition system that supports both analog and IP cameras.
- Recognizes vehicles up to speed of 125mph/200kmph
- Supports up to 4 motion mode lanes, 8 I/O mode lanes or 8 GV-DSP LPR lanes
- Black list and white list for different actions
- Stay Time / Journey Time / Average Speed
- Counter for passing vehicles and available parking space
- Seamless integration with GV-Series DVR for video retrieving
- Provides SDK for integration
- Country support: Australia, Austria, Belgium, Brazil, Canada, China, Columbia, Croatia, Cyprus, Czech Republic, France, Germany, Hong Kong, Hungary, Ireland, Israel, Italy, Malaysia, Mexico, Norway, Poland, Portugal, Saudi Arabia, Serbia, Slovenia, South Africa, Spain, Taiwan, Thailand, Turkey, UAE, UK, USA, Global.

GV-DSP LPR

GV-DSP LPR is a DSP Linux embedded compact box for outdoor application.
- Linux based solution for 1 port traffic or mobile license plate recognition
- Wide operating temperature range -20~70 $^\circ$C (-4~158°F)
- Recognition triggered by software motion detection or I/O device
- Hardware watchdog, Digital watermark
- Offline backup upon internet disconnection with SD memory card
- Supports USB interface UMTS modem
- Provides SDK for integration
- Country support: Australia, Austria, Brazil, Belgium, China, Columbia, Cyprus, Czech Republic, Germany, Hungary, Ireland, Israel, Mexico, Norway, Poland, Portugal, South Africa, Spain, Taiwan, UAE, UK, USA, Global.

GV-LPR Center

GV-LPR Center is designed for central management of multiple GV-LPRs and GV-DSP LPRs.
- Supports up to 255 GV-LPR or GV-DSP LPR clients
- Central database synchronization with GV-LPR clients
- Up to 16 ports per page for video live view of GV-LPR or GV-DSP LPR (255 pages max.)
- Receives recognition result alarms from GV-LPR or GV-DSP LPR clients
- Remote relay trigger
- Remote LPR desktop to control GV-LPR clients

GV-IRCAM10/GV-IRCAM20/GV-IRCAM30

GV-IRCAM is a weather proof 24/7 LPR/ANPR IR camera specially designed for the reflective license plates.
- Built-in powerful IR LED illuminator
- Built-in always-on blower
- Weatherproof (IP66 standard)
- Sun-shield
- Distance cover range from 7m~35m (23ft~115ft)

Coming Soon

Technical Specifications

DVR (Supports 2 cards up to 32 channels)

Model		GV-600	GV-650	GV-800	GV-1120	GV-1240	GV-1480	GV-2008	GV-3008
Video Input		4,6,8,10,12,14,16	4,8,12,16	4,8,12,16	8,12,16	8,16	16	8	8
Audio Input		1	2	4	8,12,16	8,16	16	8	8
TV Output		No	No	No	1	1	1	1	0
Recording Rate	NTSC	30 fps	60 fps	120 fps	120 fps	240 fps	480 fps	240 fps	240 fps
	PAL	25 fps	50 fps	100 fps	100 fps	200 fps	400 fps	200 fps	200 fps
Display Rate	NTSC	30 fps	60 fps	120 fps	480 fps	480 fps	480 fps	240 fps	240 fps
	PAL	25 fps	50 fps	100 fps	400 fps	400 fps	400 fps	200 fps	200 fps
Input Type		BNC: BNC x 4 D-Type: DB15 x 2			DB15 x 2 (Video) DB9 x 2 (Audio)			DB15 x 2 (Video & Audio)	DB15 x 2 (Video & Audio)
Dimension (W x H)		145 x 97 mm	175 x 98 mm		DVI: 165 x 95 mm / D-Type: 170 x 95 mm / D-Type PCI Express: 212 x 99 mm			240 x 102 mm	187 x 108 mm
Video Compression		Geo MPEG4, Geo MPEG4 (ASP), Geo H264, Geo H264 V2						H/W MPEG2/MPEG4	H/W H.264
Compression Rate		Variable, 300: 1 Maximum							
Video Resolution		D1, Half D1, CIF Resolution							
Video Signal Type		NTSC, PAL							

PTZ Control Protocol Support

- Ademco (Juptier)
- Bosch (TC 700 / TC 8560)
- Canon (VC-C3 / VC-C4)
- CBC GANZ (ZC-S120 Series)
- Chiper (V9KRV)
- D-Max
- DiGi Dome (DOH-240)
- Direct Perception (PTU-D46)
- DynaColor (D-7720 / D-7722)
- Elitar (EL-PT830)
- Elbex (Matrix / 1000)
- EverFocus (EPTZ 1000 / 500)
- GKB (SPD-221)
- Hi-Sharp (HS-CC600 / HS-CC610)
- JEC (ETXK8000)
- JVC (TK-S576B / S655)
- Kalatel Cyber Dome with KTD-312
- Kampro 230X CCD Zoom Camera (GE Security)
- Kampro Technology (K-ZC23)
- Kenko (DMP23-H1)
- Lilin PIH-7000 (17X) / PIH-7600 (22X) / PIH-7625 / PIH-7600PL / PIH-7625 (25X) / PIH-820
- LG (LPT-OS553HQ)
- Mintron (54G2AHN / P)
- MZC (IR6018DN)
- Minking
- Messoa (SDS600 Series / D-700 series)
- NanWang (NVD 2300PNT) / V4.1 (NVD 2300PNT)
- Panasonic (WV-CS850 / CS854)
- Pelco (P / D / Spectra III / Spetra Mini Dome SD4-WO)
- Pishion (22X / VCC5i)
- PTZ in I/O
- SAE (DR-E588)
- Samsung (SPD-1600 / SPD-3300 / SCC-641 / SCC-643 / SPD-33000)
- Sensormatic (Ultra IV)
- Sony (EVI-D100 / D100T)
- TOA (CC551)
- VIDO (Dome / G65)
- YAAN
- YOKO (YK-2E00)
- 360 Vision(Vid-18COP04) Pelco D

NVR

Model	GV-NVR (GV)	GV-NVR
Video Input	4, 8, 12, 16, 20, 24, 28, 32	1, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32
Audio Input	4, 8, 12, 16, 20, 24, 28, 32	1, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32
Video Compression	MJPEG, MPEG4, H.264	
Video Resolution	From CIF to 5 Mega pixel	

IP Camera			
	GeoVision	GV-IPCAM 1.3M, GV-Video Server, GV-Compact DVR	
		Arecont Vision	AV1300, AV2100, AV3100, AV3130, AV5100, AV5105, AV8360
		AXIS	AXIS 206, AXIS 207, AXIS 207W, AXIS 207MW, AXIS 209FD, AXIS 209HFD-R, AXIS 209FDR, AXIS 209MFD, AXIS 210, AXIS 210A, AXIS 211, AXIS 211A, AXIS 211M, AXIS 211W, *AXIS 212 PTZ, *AXIS 213 PTZ, *AXIS 214 PTZ, AXIS 215, AXIS 216FD, AXIS 216FD-V, AXIS 216MFD, AXIS 216MFD-V, AXIS 221, AXIS 223M, AXIS 225FD, AXIS 231D+, AXIS 232D+, AXIS 233D, AXIS 241Q, AXIS 241S, AXIS P3301
		Canon	*VB-C300, *VB-C50i
		GeoVision	GV-IPCAM 1.3M, GV-Video Server, GV-Compact DVR
		IQinvision	IQeye301, IQeye302, *IQeye510, *IQeye511, IQeye701, IQeye702, IQeye703, IQeye705, IQeye752, IQeye753, IQeye755
		JVC	VN-C20U, VN-C205U, VN-C215U, *VN-C625U, *VN-C655U, VN-V25, VN-V26, *VN-V686
		Mobotix	M12-Sec-DNight
		Panasonic	BB-HCM110, *BB-HCM311, *BB-HCM331, BB-HCM371, *BB-HCM381, *BB-HCM403, *BB-HCE481A, BL-C10, BL-C30, *WV-NS202A, WV-NW484, *WV-NW964
		Pelco	IP110, IP3701, SpectralV_IP
		SONY	SNC-CS10, SNC-CS11, SNC-CS20, SNC-CS50N, SNC-CS50P, SNC-CM120, SNC-DF40N, SNC-DF40P, SNC-DF50N, SNC-DF50P, SNC-DF70N, SNC-DF70P, SNC-DF80N, SNC-DF80P, SNC-DM110, SNC-DM160, SNC-DS10, SNC-DS60, SNC-P1, *SNC-P5, *SNC-RX530N, *SNC-RX530P, *SNC-RX550N, *SNC-RX550P, *SNC-RX570N, *SNC-RX570P, *SNC-RZ25N, *SNC-RZ25P, *SNC-RZ50N, *SNC-RZ50P

Hybrid DVR

GV-Hybrid DVR provides a mix solution for the IP infrastructure that enables users to view and manage videos received from both analog and IP cameras via existing uniform, multi-functional user interface. It supports up to 32 cameras.

Common Specification

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, Blu-ray
Operating System	Windows 2000, Windows XP, Windows Server 2003, Windows Vista
Language	Czech / Danish / Dutch (Netherlands) / English / French / German / Hebrew / Hungarian / Italian / Japanese / Polish / Portuguese / Russian / Serbian / Simplified Chinese / Spanish / Traditional Chinese / Thai

* IP Cam with PTZ control

GeoVision inc

The Vision of Security

RoHS FC CE

DM_J001_EN   2009/01