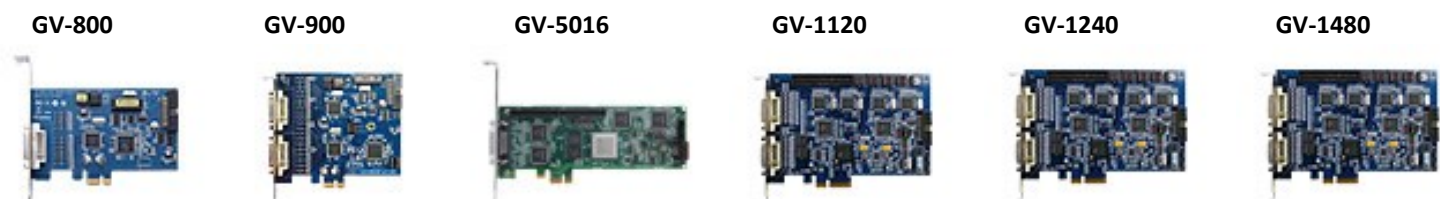


## Hybrid DVR

GeoVision DVR Cards offer a hybrid solution to support both IP and analog cameras. This flexibility provides investment protection for customers who have existing analog security camera equipment but wish to gain the benefits of an IP security camera system. Select models of GV-DVR Cards may be integrated in the DVR Server for a customizable hybrid security system, options range from 4 to 32 analog channels, at resolutions from CIF to D1.

### GV-DVR Card Models Compatible with DVR Servers



### GV-HD SDI



## Hybrid DVR Server

DVR	Retail Series	Professional Series	Ultra Series					
# of Hotswap HDD Bays	1 TB Embedded	2	4	8	4	8	20	
Max # of GV-HD SDI (Optional)	2	4	4	3	4	3	3	
# of Analog Inputs	<b>GV-800 Regular</b>							
	4	371-800R1T-004	375-800P2B-004	375-800P4B-004	375-800P8B-004	377-800U4B-004	377-800U8B-004	377-800U20-004
	8	371-800R1T-008	375-800P2B-008	375-800P4B-008	375-800P8B-008	377-800U4B-008	377-800U8B-008	377-800U20-008
	16	371-800R1T-016	375-800P2B-016	375-800P4B-016	375-800P8B-016	377-800U4B-016	377-800U8B-016	377-800U20-016
	24		375-800P2B-024	375-800P4B-024	375-800P8B-024	377-800U4B-024	377-800U8B-024	377-800U20-024
32		375-800P2B-032	375-800P4B-032	375-800P8B-032	377-800U4B-032	377-800U8B-032	377-800U20-032	
# of Analog Inputs	<b>GV-900 Regular</b>							
	8	371-900R1T-008	375-900P2B-008	375-900P4B-008	375-900P8B-008	377-900U4B-008	377-900U8B-008	377-900U20-008
	16	371-900R1T-016	375-900P2B-016	375-900P4B-016	375-900P8B-016	377-900U4B-016	377-900U8B-016	377-900U20-016
	24		375-900P2B-024	375-900P4B-024	375-900P8B-024	377-900U4B-024	377-900U8B-024	377-900U20-024
	32		375-900P2B-032	375-900P4B-032	375-900P8B-032	377-900U4B-032	377-900U8B-032	377-900U20-032
# of Analog Inputs	<b>GV-5016 Hardware Compression</b>							
	16	371-516R1T-016	375-516P2B-016	375-516P4B-016	375-516P8B-016	377-516U4B-016	377-516U8B-016	377-516U20-016
	32		375-516P2B-032	375-516P4B-032	375-516P8B-032	377-516U4B-032	377-516U8B-032	377-516U20-032
# of Analog Inputs	<b>GV-1120 Combo</b>							
	16	371-112R1T-016	375-112P2B-016	375-112P4B-016	375-112P8B-016	377-112U4B-016	377-112U8B-016	377-112U20-016
	32		375-112P2B-032	375-112P4B-032	375-112P8B-016	377-112U4B-032	377-112U8B-032	377-112U20-032
# of Analog Inputs	<b>GV-1240 Combo</b>							
	16	371-124R1T-016	375-124P2B-016	375-124P4B-016	375-124P8B-016	377-124U4B-016	377-124U8B-016	377-124U20-016
	32		375-124P2B-032	375-124P4B-032	375-124P8B-016	377-124U4B-032	377-124U8B-032	377-124U20-032
# of Analog Inputs	<b>GV-1480 Combo</b>							
	16	371-148R1T-016	375-148P2B-016	375-148P4B-016	375-148P8B-016	377-148U4B-016	377-148U8B-016	377-148U20-016
	32		375-148P2B-032	375-148P4B-032	375-148P8B-032	377-148U4B-032	377-148U8B-032	377-148U20-032

## DVR/NVR Software Features

Monitoring	Intelligent Recording & Playback	Audio	Video Analytics
Support up to 64 channels in GV-System and CMS applications Embedded 32 GeoVision IP channels 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: H264, MPEG4 Multithreading Encoding (*) 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 (*) Noise filter for 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 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 (*) 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 Colorful mode to enhance video color Live view buffer and frame rate control Wide angle lens dewarping Dual stream on-demand display (**) Fisheye GPU dewarping Support ONVIF, PSIA, RTSP protocol(**)	Choice of recording at 30, 60, 120, 240, 480 and 960 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 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 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
Up to 64 channels of live audio streaming and recording, 32 GeoVision IP channels embedded	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		

(\*) Not supported by UVS-NVR

(\*\*) Not supported by UVS-DVR

## IP Camera

\*For the latest IP camera models, please visit [www.usavisionsys.com](http://www.usavisionsys.com)



# UVS DVR/NVR Server

## Product Brochure







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UVS NVR Server 2 year Manufacturer Warranty	Cube Series  Compact size and low power consumption, ideal for small businesses		Cube Hotswap Series  More options and added storage space, all in a compact size			Retail Series  Mid-size rackmountable server with expandable recording space for retail security		Professional Series  Hotswappable rackmount server with up to 32TB recording space suitable for enterprise installs		Ultra Series  Exceptionally powerful series designed for government, hospital, casino, and the most demanding projects	
	Processors	i3	i5	i3	i5	i7	i3	i5	i5	i7	
IP Inputs	Up to 16	Up to 32	Up to 16	Up to 32		Up to 16	Up to 32	Up to 32	Up to 64		
Hybrid Option	N/A		N/A			Yes		Yes	Yes		
Included IP Licenses	32 channels of GeoVision IP cameras		32 channels of GeoVision IP cameras			32 channels of GeoVision IP cameras		32 channels of GeoVision IP cameras	32 GeoVision channels embedded, expandable to 64 channels		
3rd Party IP Licenses	Optional		Optional			Optional		Optional	Optional		
Server OS	Windows 7 Pro 64 Bit embedded		Windows 7 Pro 64 Bit embedded			Windows 7 Pro 64 Bit embedded		Windows 7 Pro 64 Bit embedded	Windows 7 Pro 64 Bit embedded		
OS Drive	1TB and 2TB models: 50GB HDD partition 3TB and 4TB models: 64GB SSD		64GB SSD			64GB SSD		64GB SSD	64GB SSD		
Optional OS Drive	N/A		128GB SSD			128GB SSD		128GB SSD	128GB SSD		
Data HDD Included	1 pcs		0			1 pcs		0	0		
Max # of HDD	1		4			3		8	20		
Max HDD Storage	4TB		16TB			12TB		32TB	80TB		
Removable HDD	N/A		Yes			N/A		Yes	Yes		
Hotswappable HDD	N/A		Yes			N/A		Yes	Yes		
RAID Configuration	N/A		N/A			N/A		Optional	Optional		
Height (in)	8.9		7.5			5.25		7	7		
Width (in)	7.9		7.75			19		19	19		
Depth (in)	5.9		10			15		21	21/26		
Weight Approximate (lbs)	10		10 without HDDs			40		45	45/65		
DVD RW	Included		N/A			Included		Included	Included		
NIC	1 standard, 2 optional		2 (1 internal, 1 external)			2		2	32 channel: 2; 64 channel: 4		
RAM	8GB		8GB			8GB		8GB	32 Channel: 8GB 64 Channel: 16GB		
Redundant Power Supply	N/A		N/A			N/A		Optional	Optional		
USB Ports	6		6			8		8	Optional		
VGA Output	2 (VGA, DVI, HDMI)		2 (VGA, DVI, HDMI)			3 (VGA, DVI, HDMI)		3 (VGA, DVI, HDMI, DisplayPort)	3 (VGA, DVI, HDMI, DisplayPort)		
Alarm Inputs	N/A		N/A			4		4	4		
Alarm Outputs	N/A		N/A			4		4	4		
Hardware Watchdog	Included		Included			Included		Included	Included		
Operating Temperature	0 to 45 °C (32 to 133 °F)										
Humidity	0 to 80% RH (non condensing)										
Part Number	Embedded 1TB	823-NCI31T-016 94-NC31T-C16					833-NRI31T-024 94-NR31T-083	835-NRI51T-032 94-NR51T-16A			
	Embedded 2TB		825-NCI52T-032 94-NC52T-C32				833-NRI32T-024 94-NR32T-083	835-NRI52T-032 94-NR52T-16A			
	Embedded 3TB	823-NCI33T-016 94-NC33T-C16					833-NRI33T-024 94-NR33T-083	835-NRI53T-032 84-NR53T-16A			
	Embedded 4TB		825-NCI54T-032 94-NC54T-C32				833-NRI34T-024 94-NR034T-083	835-NRI54T-032 94-NR54T-16A			
	2 Hotswap Bays								835-NPI52B-032 94-NP502-16A	32 Channels	64 Channels
	4 Hotswap Bays			823-NCI34B-016 94-NC34C-16	825-NCI54B-032 94-NC54C-C32	827-NCI74B-032 94-NC74C-C32			835-NPI54B-032 94-NP504-16A	837-NUI74B-032 94-NU704-32A	837-NUI74B-064 94-NU704-64A
	8 Hotswap Bays								835-NPI58B-032 94-NP508-16A	837-NUI78B-032 94-NU708-32A	837-NUI78B-064 94-NU708-64A
	20 Hotswap Bays									837-NUI720-032 94-NU720-32A	837-NUI720-064 94-NU720-64A

UVS Control Center Server 2 year Manufacturer Warranty	Control Center  Connect to unlimited number of IP inputs to enhance management and monitoring of re-mote DVR/NVR
Processors	i7
IP Inputs	Unlimited
Hybrid	Unlimited
Included IP Licenses	N/A
3rd Party IP Licenses	N/A
Server OS	Windows 7 Pro 64 Bit embedded
OS Drive	250GB HDD Partition
Optional OS Drive	128GB SSD
Data HDD Included	1TB
Max # of HDD	1
Max HDD Storage	4TB
Removable HDD	N/A
Hotswappable HDD	N/A
RAID Configuration	N/A
Height (in)	7
Width (in)	19
Depth (in)	21
Weight Approximate (lbs)	45
DVD RW	Included
NIC	2
RAM	8GB
Redundant Power Supply	Optional
USB Ports	8
VGA Output	4 (VGA, DVI, HDMI)
Alarm Inputs	N/A
Alarm Outputs	N/A
Hardware Watchdog	Included
Operating Temperature	0 to 45 °C (32 to 133 °F)
Humidity	0 to 80% RH (non condensing)
Part Number	897-CCP174-000 95-CCU04-000

■ Ordering Part Number  
■ Item Number

\* Models in the UVS NVR Server Series are embedded with GeoVision VMS software for up to 32 channels  
 \*\* VMS Pro for up to 64 channels is available with an additional license fee

UVS Recording Server 2 year Manufacturer Warranty	Recording Server  Hotswappable with powerful storage capacity, receive and record up to 128 channels from various IP devices
Processors	i7
IP Cameras	Up to 128
Hybrid	N/A
Included IP Licenses	N/A
3rd Party IP Licenses	Optional
Server OS	Windows 7 Pro 64 Bit embedded
OS Drive	64GB SSD
Optional OS Drive	128GB SSD
Data HDD Included	0
Max # of HDD	8 / 20
Max HDD Storage	80TB
Removable HDD	Yes
Hotswappable HDD	Yes
RAID Configuration	Optional
Height (in)	7
Width (in)	19
Depth (in)	21/26
Weight Approximate (lbs)	45/65
DVD RW	Included
NIC	6
RAM	16GB
Redundant Power Supply	Optional
USB Ports	8
VGA Output	3 (VGA, DVI, HDMI, DisplayPort)
Alarm Inputs	N/A
Alarm Outputs	N/A
Hardware Watchdog	Included
Operating Temperature	0 to 45 °C (32 to 133 °F)
Humidity	0 to 80% RH (non condensing)
Part Number	8 Hotswap Bays: 850-RS178B-128 94-RS08A-128 20 Hotswap Bays: 850-RS1720-128 94-RS20A-128