

GV-Compact DVR V2 (GV-LX4C2 / GV-LX4C2V)



INTRODUCTION

The GV-Compact DVR is a mobile video recorder. It can simultaneously display real-time images from four cameras. The recording frame rate of each channel is adjustable up to 30 / 25 fps at the resolution of 704 x 480 (NTSC) / 704 x 576 (PAL). You can access the four video channels either in the quad mode or single channel mode.

The Anti-Vibration model of the GV-Compact DVR has already been tested to withstand severe levels of shock and vibration in mobile environments. It is perfect to be installed in any vehicles, such as buses and vans, for surveillance and recording.

The special design of the GV-Compact DVR enables you to link up with TV, VGA and spot monitors simultaneously for direct display. The GV-Compact DVR offers many features that you can expect to have.

KEY FEATURES

- 4-channel video and audio recording and playback
- MPEG-4 compression
- Up to 704 x 480 (NTSC) / 704 x 576 (PAL) recording resolution
- Up to 120 images per second recording rate at D1 resolution
- Independent channel resolution, quality and frame rate settings
- Support one 3.5" or 2.5" SATA HDD (2.5" to 3.5" HDD converter required)
- Support two external USB HDDs
- On-screen menu and Web-based control
- Display video on TV, VGA and Spot Monitor simultaneously
- Continuous, motion and scheduled recording
- 4 alarm inputs, 4 relay outputs
- Retrieve video by date, time and event
- Motion detection function with 3 sensitivity values adjustable on each channel
- Video signal auto detection
- Remote playback
- Support USB DVD-RW for video backup
- GPS tracking (GPS module required)
- UMTS (UMTS module required)
- 3G Mobile Phone Surveillance
- Support central monitoring systems Center V2, VSM and Control Center
- Support geographic information system GV-GIS
- Vibration and mechanical shock protection
- Buzzer alarm on video lost, input trigger, motion detection and disk full
- Support 16 languages on web interface and 10 languages on OSD

MODELS

GV-LX4C2
Standard Model



GV-LX4C2V
Anti-Vibration Model



GV-LX4C2V
Anti-Vibration ACC Model



The GV-LX4C2V equipped with vibration absorbers, can withstand severe levels of shock and vibration in mobile environments.

Caution: The standard and anti-vibration models have different internal designs. It is forbidden to connect the standard model to the vehicle power supply.



SPECIFICATIONS

GV-LX4C2		GV-LX4C2V	GV-LX4C2V
Standard Model		Anti-Vibration Model	Anti-Vibration ACC Model
Video			
Video Standard		NTSC, PAL	
Video Input/Output		4 Videos In, 4 Loops Out	
Compression		Geo MPEG4 (ASP)	
Frame Rate	NTSC	30 fps/ch at D1 resolution	
	PAL	25 fps/ch at D1 resolution	
Video Resolution	NTSC	704 x 480, 704 x 480 De-interlace, 352 x 240, 352 x 240 3GPP v7	
		720 x 480, 720 x 480 De-interlace, 360 x 240, 360 x 240 3GPP v7	
	PAL	704 x 576, 704 x 576 De-interlace, 352 x 288, 352 x 288 3GPP v7	
		720 x 576, 720 x 576 De-interlace, 360 x 288, 360 x 288 3GPP v7	
Video Streaming		Configurable frame rate and bandwidth	
Video Adjustment		Brightness, Contrast, Hue, Saturation	
Audio			
Audio Input/Output		4 Audios In, 1 Audio Out	
Compression		G.723	
Output Signal Formats			
Resolution	VGA Out	800 x600, 1024 x 768, 1280 x 1024	
	TV Out	640 x 480	
V. Frequency	VGA Out	60Hz	
	TV Out	60Hz	
Management			
Event Management	Trigger	Time, Sensor Input, Motion Detection	
	Action	• Store video to HDD (AVI format) • Central monitoring by Center V2 and VSM • Activate relay outputs to control external devices	
Firmware Upgrade		• Remote upgrade by Web browser • Use a USB flash drive • Use the upgrade utility included on the Softwae CD	
Storage (Optional)		• 1 SATA HDD of 2.5" or 3.5" (HDD converter required for 2.5" HDD from GeoVision) • 2 external USB HDDs • DVD RW backup	
Client PC Requirements		Microsoft IE 7.x or above running on Windows XP/Vista/7/Server 2008	

Language on Web Interface	Czech / Danish / English / French / German / Hebrew / Hungarian / Italian / Japanese / Polish / Portuguese / Russian / Serbian / Simplified Chinese / Spanish / Traditional Chinese	
Language on OSD	English / French / German / Italian / Japanese / Portuguese / Russian / Simplified Chinese / Spanish / Traditional Chinese	
Network		
Interface	• 10/100 Base-T Ethernet • 802.11b/g/n Wireless LAN (optional) • Mobile broadband: UMTS, EDGE, etc. (optional)	
Protocol	HTTP, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, Multicast, 3GPP/ISMA, RTSP	
Security	IP address filtering	
Connector		
Input	4 Videos In, 4 Audios In	
Output	1 TV Out, 1 Spot Out, 1 VGA Out, 1 Audio Out, 4 Video Loops Out	
Terminal Block	4 digital inputs, 4 relay outputs, RS-485 for PTZ, RS-232 for GPS	4 digital inputs, 4 relay outputs, RS-485 for PTZ, ACC wire connection
GPS Port (PS/2 Connector)	none	1 port
Ethernet	RJ-45, 10/100 Mbps	
USB 2.0	2 ports	
IR Receiver	1 port for optional External IR Receiver	
Power	12V, 5A (60W Max.)	5 ~ 36V, 5A (60W Max.)
Alarm		
Sensor Input	4 inputs	
Alarm Output	4 outputs	
Environment		
Operation Temp.	-20 ~ 50 ° C / 4 ~ 122 ° F	
Humidity	5 ~ 85% RH (non-condensing)	
Physical		
Dimensions (L x W x H)	176 x 253 x 105 mm / 7 x 10 x 4 in	
Weight	2.05 kg / 5 lb (Net)	

Note:

1. The GV-Compact DVR V2 cannot work with the microphone that acquires power from the unit. Use the microphone that has external power supply.
2. Product design and specifications are subject to change without notice.

Options

Optional devices can expand your GV-Compact DVR's capabilities and versatility. Contact your dealer for more information.

External IR Receiver	The external IR receiver, with a 5-meter cable (16.4 feet), allows long-distance remote control of the GV-Compact DVR.
GV-GPS 232 Receiver	GV-GPS 232 Receiver, with RS-232 interface, is a Global Position System receiver. It can be applied to vehicle tracking and location verification.
2.5" to 3.5" HDD Converter	The HDD converter allows you to install a 2.5" SATA HDD into GV-Compact DVR.
GV-Relay V2	Working with this module, GV-Compact DVR can drive the loads of relay outputs over 5 volts.
WiFi USB Adaptor	The WiFi USB Adaptor is designed to connect the GV IP devices, such as GV-Video Servers or GV-Compact DVRs, to the wireless network. This product complies with IEEE 802.11 b/g/n (Draft 3.0) standards for wireless networking.
Power Adaptor of DC 12V, 5.0A	The power adaptor is used to power on the Anti-Vibration Model of ACC Version to test the connection.

Supported Wireless LAN USB Adaptor

Vendors	Model
D-Link	DWA-140 (H/W version B1), DWL-G122 (version C1)
EDIMAX	EW-7318Ug, EW-7718Un
Linksys	WUSB54GC, WUSB600 (version 1)
Pegatron	WL-166N11
Note: Linksys WUSB54GC ver. 3 is not supported.	

Supported Mobile Broadband Device

Vendors	Model
HUAWEI	EC169C, E169, E220, E1692, E1750 USB Modem (HSDPA/UMTS/EDGE/GPRS/GSM) E1752 and E1756
Novatel	MC950D, (HSDPA/UMTS/EDGE/GPRS/GSM) MC996D
ONDA	MSA523HS
Verizon	USB760 Modem (EVDO)
Vodafone	K3565 (Rev 2)