

4-Channel Compact DVR V3 Anti-Vibration ACC Model



GV-LX4C3V
(ACC Model)

INTRODUCTION

The four-channel GV-Compact DVR V3 is a mobile video recorder, simultaneously displaying 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). The dual-stream design allows you to set up two different codec and resolutions for a single video transmission. In a limited bandwidth network, you can enable the dual streams to lower the resolution and codec for live images, but still get the highest recording quality and smallest file size compressed with H.264 codec.

The **Anti-Vibration ACC model** of the GV-Compact DVR V3 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 V3 enables you to link up with TV, VGA and spot monitors simultaneously for direct display. The GV-Compact DVR V3 offers many features that you can expect to have.

KEY FEATURES

Recording

- Dual streams from H.264 and MJPEG
- Up to 120 fps at D1 resolution
- Independent channel resolution, quality and frame rate settings

Local Display

- VGA output in high resolution (1280 x 1024)
- Display video on TV, VGA and Spot Monitor simultaneously
- GPS Speed Text overlay on live view and recordings

Storage and Backup

- 3.5" or 2.5" SATA HDD (3.5" to 2.5" HDD converter required)
- External USB mass storage devices
- DVD-RW Backup
- Backup Center for PC-based storage and backup solution

Monitoring

- Continuous, motion detection, schedule and input-triggered recordings
- Buzzer alarm on video lost, input triggered, motion detected and disk full
- 4 alarm inputs and outputs

Playback

- Retrieve video by date, time and event
- Remote playback

Remote Monitoring

- Mobile broadband (HSDPA, UMTS, EDGE, EVDO, etc.)
- Mobile Phone Surveillance (Android Smartphone, iPhone, iPad)
- Central monitoring systems Center V2, VSM, Control Center, Recording Server
- Geographic information system GV-GIS
- GPS tracking for the Anti-Vibration ACC models (GPS module required)

Language Support

- Support 16 languages on Web interface



SPECIFICATIONS

Video			
Video Standard	NTSC, PAL		
Video Input/Output	4 Videos In, 4 Loops Out		
Compression	Dual streams from H.264 and MJPEG (H.264 for the main stream; MJPEG for the sub stream)		
Frame Rate	NTSC	30 fps/ch at resolution of 704 x 480	
	PAL	25 fps/ch at resolution of 704 x 576	
Video Resolution	Main Stream	NTSC	704 x 480, 704 x 480 De-interlace, 352 x 240
		PAL	704 x 576, 704 x 576 De-interlace, 352 x 288
	Sub Stream	NTSC	352 x 240
		PAL	352 x 288
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 x 600, 1024 x 768, 1280 x 1024	
	TV Out	640 x 480	
V. Frequency	VGA Out	60 Hz	
	TV Out	60 Hz	
Management			
Event Management	Trigger	Time, Sensor Input, Motion Detection	
	Action	<ul style="list-style-type: none"> • Store video to HDD (AVI format) • Send e-mails with captured images • Upload captured images to FTP Server • Monitor through Center V2, VSM and GV-GIS • Activate relay outputs to control external devices 	
Firmware Upgrade		<ul style="list-style-type: none"> • Remote upgrade by Web browser • Use a USB flash drive • Use the upgrade utility included on the Software CD 	
Client PC Requirements		<ul style="list-style-type: none"> • 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		<ul style="list-style-type: none"> • 10/100 Base-T Ethernet • 802.11b/g/n Wireless LAN (optional) • Mobile broadband: UMTS, EDGE, etc. (optional) 	
Protocol		HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, Multicast, 3GPP/ISMA, RTSP, SNMP, QoS(DSCP)	
Security		IP address filtering	
External Interface			
Audio / Video Input		D-Type, DB 15 connector (4 Videos In, 4 Audios In)	
Audio / Video Output		D-Type, DB 15 connector (1 TV Out, 1 Spot Out, 1 VGA Out, 1 Audio Out, 4 Video Loops Out)	
Sensor Input		4 inputs on terminal block	
Alarm Output		4 outputs on terminal block	
PTZ		RS-485 +/- output on terminal block	
ACC Wire Connection		1 output on terminal block	

GPS	1 port (PS/2 connector)
Ethernet	RJ-45, 10/100 Mbps
USB	2 ports (USB 2.0)
IR Receiver	1 port for optional External IR Receiver
Power	5 ~ 36V, 5A (60W Max.)
Alarm	
Sensor Input	4 digital inputs
Alarm Output	4 relay 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 4.1 inch
Weight	2.9 Kg / 6.4 lb
HDD Drive Bay	1 bay
DVD-RW Drive	None
Reliability	
Operating Shock	10G, 2 ms
Operating Vibration	5 ~ 500 Hz, 1G
Optional Storage	
SATA HDD of 2.5" or 3.5"	1 SATA HDD
USB HDDs	2 external USB HDDs
DVD-RW backup	DVD-RW backup

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 V3.
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. The device is designed for Anti-Vibration ACC models only.
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 the GV-Relay V2, GV-Compact DVR V3 can expand the voltage load up to 10A 250V AC / 10A 125V AC / 5A 100V DC.
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 ACC model to test the connection. This device is designed for Anti-Vibration ACC models only.

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, E1752 and E1756USB Modem (HSDPA/UMTS/EDGE/GPRS/GSM)
Novatel	MC950D and MC996D (HSDPA/UMTS/EDGE/GPRS/GSM)
ONDA	MSA523HS
Verizon	USB760 Modem (EVDO)
Vodafone	K3565 (Rev 2)