

# GV-EM130DD / GV-EM412DD

## 1 CH AND 4 CH DIGITAL VIDEO RECORDERS WITH REMOVABLE HARD DRIVE



### FEATURES

- 4/1 Channels
- Simplex Operation
- Record Quality: Low, Standard, High, Very High
- Min. File Size: 5kb
- 120 fps Max Recording Rate: 30 fps: GV-EM130DD
- Removable HD
- Compact Flash Slot
- Audio Recording: 1 in / 1 out
- Motion Detection
- Ethernet 10/100 base T
- DVR has been designed to operate in mobile/vehicle environments

### SUMMARY

The GV-EM130DD (1 Channel) and GV-EM412DD (4 Channel) are cost effective DVRs that record on a removable hard-disk drive and are equipped with a compact flash memory slot. With optional accessories, the GV-EM Series can also be used as a mobile DVR with a separate control panel for remote monitoring and control. LAN connectivity is standard in the GV-EM series and it also features smooth motion and clear playback. The units come bundled with DVR reader software that allows you to view DVR video on a PC. Taking out the removable hard-drive and placing it in a PC that contains a compatible removable hard-drive bay\* (\*removable hard-drive bay is optional), will allow playback of video using the DVR reader software. The DVR reader software also saves images in AVI, MPEG, or BMP file formats. The "Heart-Beat" rebooting feature makes the unit rock solid reliable in the event of recovering after a system halt.

### ACCESSORIES

GV-160GB, 160GB Fixed Hard Drive  
 GV-250GB, 250GB Fixed Hard Drive  
 GV-500GB, 500GB Fixed Hard Drive

- GV-EM130DD is also available in 4 Channel and with 120ips recording speed at 360 x 240 as GV-EM412M. This unit comes pre-installed in GV-EM412CASE
- All DVRs in this series are also available with 80Gb Hard Drive as GV-EM130DD-80, GV-EM412DD-80, GV-EM412M-80

## GV-EM130DD / GV-EM412DD | TECHNICAL SPECIFICATIONS

**GV-EM412CASE**

- Compatible with all GV-EM series DVRs
- Metal case with anti-vibration mount
- Hardware for pole mount
- Security lock and key included

**GV-EM412MPV**

- Portable external viewer/controller
- Compatible only with GV-EM412M RS-232 Port
- Jog/Shuttle
- 5.5" LCD screen
- 9 ft Cable included

**GV-EM412MKT-80**

- 80 GB hard drive included
- One GV-EM412M
- One GV-EM412MPV

**SPECIFICATIONS**

DVR Type	GV-EM412DD: 4 Ch Video	GV-EM130DD: 1 Ch Video
Operating System	Embedded OS	Embedded OS
Storage: Internal	160Gb	160Gb
Storage: Internal Capacity	750Gb	750Gb
Storage: External	Compact Flash Slot	Compact Flash Slot
Video Input	4	1
Video Output	Main, S-Video	Main, S-Video
Video Display Modes	Single, Quad, Sequential	Single
Compression Rate	Low 5-10Kb, Standard 10-15Kb High 15-20Kb, Very High 20-24Kb	Low 5-10Kb, Standard 10-15Kb High 15-20Kb, Very High 20-24Kb
Audio Input	1	1
Audio Output	1	1
Recording Modes	Schedule, Continuous, Alarm Post Alarm	Schedule, Continuous, Alarm Post Alarm
Recording Speeds	1-8, 16, 30	1-8, 16, 30
Recording Resolution	720x480, 360x240	720x480, 360x240
Search	Jog Shuttle - Backward/Forward x2, x4, x16, x32, x256, x1024, x8192, frame	Jog Shuttle - Backward/Forward x2, x4, x16, x32, x256, x1024, x8192, frame
Special Features	Motion Detection + Sensitivity Heartbeat, POS, Image Difference Store Method	Motion Detection + Sensitivity Heartbeat, POS, Image Difference Store Method
Connector: Rear	4 BNC Inputs, S-Video	1 BNC Input, S-Video
Connector: Video	Monitor out-BNC	Monitor out-BNC
Connector: Audio	1 RCA Input/1 RCA Output	1 RCA Input/1 RCA Output
Connector: Alarm	Input/Relay	Input/Relay
Connector: Communication	RS-232	RS-232
Connector: Network	RJ-45	RJ-45
Network	10/100 Base T DHCP, Static, DDNS	10/100 Base T DHCP, Static, DDNS
Backup	Compact Flash	Compact Flash
Alarm Input	4	4
Alarm Output	1, Relay	1, Relay
OSD	Yes	Yes
Remote Viewer	Yes	Yes
Operating Temp.	32° ~ 104° F (HD dependent) / 0°C – 40°C.	32° ~ 104° F (HD dependent) / (0°C – 40°C)
Operating Humidity	85% Max	85% Max
Power Source	12 Vdc, 4.5 Amps	12 Vdc, 4.5 Amps
Controls	Camera 1-4, Quad, Alarm, Menu PWR, Jog shuttle, Playback, Rewind, FWD, F-FWD, Escape, Enter	REC, Reverse, Pause, Play Alarm, OSD, PWR, Menu Jog Shuttle
Physical Specification	6.3" x 9.8" x 3.5" (WxDxH)	6.3" x 9.8" x 3.5" (WxDxH)
Weight	7.1lb	7.3lb