

G-DVR Quadraplex Range

MPEG4 Digital Video Recorders



KEY FEATURES:

- MPEG4 Video Compression
- Embedded RTOS (Real Time Operating System)
- Simultaneous Recording / Playback / Backup / Network
- User friendly GUI operation using a Mouse
- Real Time Recording (CIF) – 4 & 8 channel models
- Network access with Internet Explorer and Client
- Watermarking (Digital encoding)
- Supports up to 3Tb HDDs (3 x 1Tb each)
- Integrated CD re-writer (optional DVD re-writer available)
- Instant Panic Recording
- PTZ Control
- Built-in remote player to support video clip/image capture
- E-mail notification of alarm/event along with thumbnail image
- Password protection (5 individual users/passwords)
- IR Remote Control and Mouse
- Motion Detection and Masking
- Free Network Client Software with E-Map



*(Genie utilises and recommends only Seagate surveillance rated hard drives)



Jog Shuttle



Graphical User Interface



Backup to USB



PTZ Dome



Backup to CD/DVD



Audio



Remote Connection



Email



Mouse Control



Recording

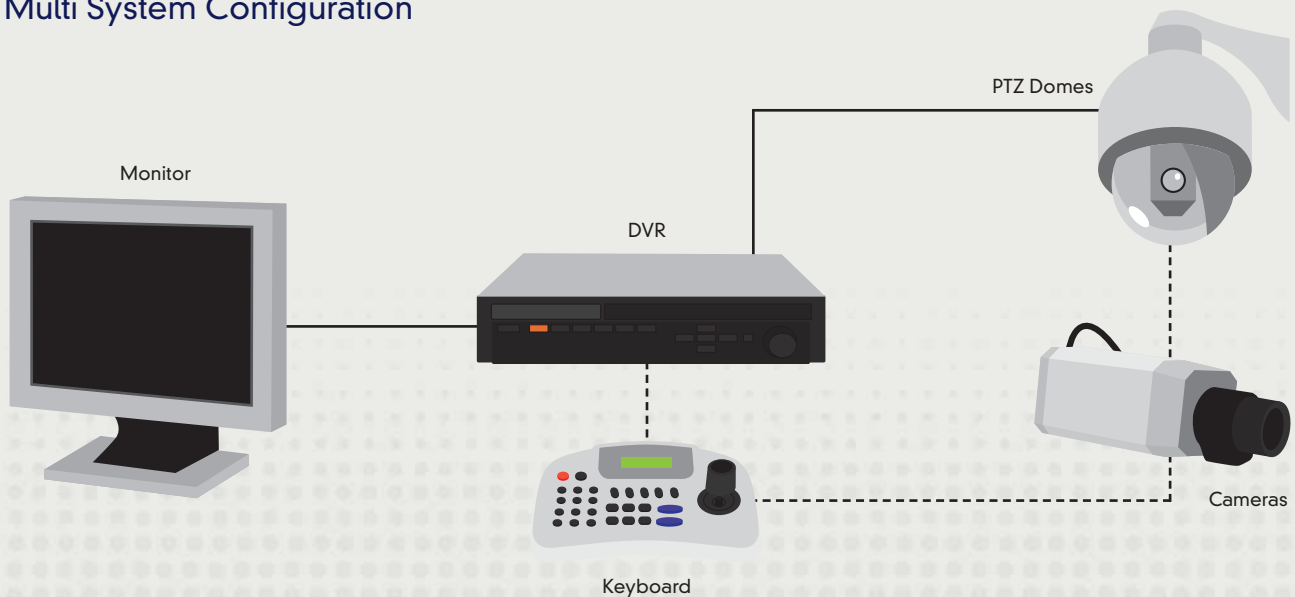


GUI Interface

Programming of the G-DVR is easy with the GUI interface. The menus and set-up are simple. Once the DVR is set-up, the configuration can be saved to a USB memory stick, ideal for multi unit installations.

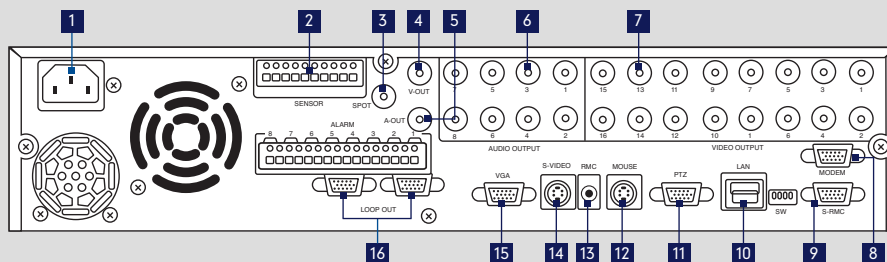
Once the installation on site is complete, it is possible to view, program or upload almost all aspects of the configuration from a remote internet connection or LAN thus avoiding any unnecessary site visits.

Multi System Configuration



Rear Panel of G-DVR (16 channel)

- | | | |
|-------------------------|------------------------------------|---|
| 1. AC Power Socket | 7. Video Inputs | 12. Optical Mouse Port |
| 2. Alarm Inputs/Outputs | 8. Modem Port for Firmware Upgrade | 13. Connection to Remote Controller IR Receiver |
| 3. Spot Monitor | 9. Serial Port for POS Interface | 14. S-Video |
| 4. Video Outputs | 10. LAN Connection | 15. VGA Connection |
| 5. Audio Outputs | 11. RS485 Port | 16. Loop Outputs |
| 6. Audio Inputs | | |



Central Monitoring System (CMS)

The CMS software is provided free with the G-DVR and provides access to almost all the functions found on the front panel of the DVR, e.g. live viewing, playback, archiving footage, etc.

E-MAP SUPPORT

Offers one click connection to DVR site, Sensor/Alarm Control and supports JPG and BMP file map.



STABILITY AND RELIABILITY

- SMART warning system that detects a possible hard disk failure
- Auto Hard Disk changeover when possible HDD failure to ensure continuous recording
- The WATCHDOG monitors the system firmware every 5 seconds to ensure the recording operation is uninterrupted

Recording Calculator for G-DVR

Recording times for 250GB

Record speeds		16 channel				8 channel				4 channel			
720 x 576	Frame	50fps	12fps	6fps	50fps	25fps	12fps	6fps	25fps	12fps	6fps	3fps	
352 x 288	CIF	200fps	100fps	50fps	200fps	100fps	50fps	25fps	100fps	50fps	25fps	12fps	

Record quality

Record quality		Record time in days and hours											
Super	Frame	3d0h	6d0h	12d12h	25d1h	3d0h	6d0h	12d12h	25d1h	6d0h	12d12h	25d1h	50d3h
	CIF	3d0h	6d0h	12d0h	24d1h	3d0h	6d0h	12d0h	24d1h	6d0h	12d0h	24d1h	50d3h
High	Frame	3d14h	7d5h	15d1h	30d2h	3d14h	7d5h	15d1h	30d2h	7d5h	15d1h	30d2h	60d4h
	CIF	3d14h	7d5h	14d10h	28d21h	3d14h	7d5h	14d10h	28d21h	7d5h	14d10h	28d21h	60d4h
Middle	Frame	5d1h	10d2h	21d1h	42d3h	5d1h	10d2h	21d1h	42d3h	10d2h	21d1h	42d3h	84d6h
	CIF	5d1h	10d2h	20d5h	40d10h	5d1h	10d2h	20d5h	40d10h	10d2h	20d5h	40d10h	84d6h
Low	Frame	8d10h	16d20h	35d2h	70d5h	8d10h	16d20h	35d2h	70d5h	16d20h	35d2h	70d5h	140d11h
	CIF	8d10h	16d20h	33d17h	67d10h	8d10h	16d20h	33d17h	67d10h	16d20h	33d17h	67d10h	140d11h

Recording times for 500GB

Record speeds		16 channel				8 channel				4 channel			
720 x 576	Frame	50fps	12fps	6fps	50fps	25fps	12fps	6fps	25fps	12fps	6fps	3fps	
352 x 288	CIF	200fps	100fps	50fps	200fps	100fps	50fps	25fps	100fps	50fps	25fps	12fps	

Record quality

Record quality		Record time in days and hours											
Super	Frame	6d0h	12d0h	25d1h	50d3h	6d0h	12d0h	25d1h	50d3h	12d0h	25d1h	50d3h	100d7h
	CIF	6d0h	12d0h	24d1h	48d3h	6d0h	12d0h	24d1h	48d3h	12d0h	24d1h	48d3h	100d7h
High	Frame	7d5h	14d10h	30d2h	60d4h	7d5h	14d10h	30d2h	60d4h	14d10h	30d2h	60d4h	120d9h
	CIF	7d5h	14d10h	28d21h	57d19h	7d5h	14d10h	28d21h	57d19h	14d10h	28d21h	57d19h	120d9h
Middle	Frame	10d2h	20d5h	42d3h	84d6h	10d2h	20d5h	42d3h	84d6h	20d5h	42d3h	84d6h	168d13h
	CIF	10d2h	20d5h	40d10h	80d21h	10d2h	20d5h	40d10h	80d21h	20d5h	40d10h	80d21h	168d13h
Low	Frame	16d20h	33d17h	70d5h	140d11h	16d20h	33d17h	70d5h	140d11h	33d17h	70d5h	140d11h	280d22h
	CIF	16d20h	33d17h	67d10h	134d20h	16d20h	33d17h	67d10h	134d20h	33d17h	67d10h	134d20h	280d22h

Recording times for 1TB

Record speeds		16 channel				8 channel				4 channel			
720 x 576	Frame	50fps	12fps	6fps	50fps	25fps	12fps	6fps	25fps	12fps	6fps	3fps	
352 x 288	CIF	200fps	100fps	50fps	200fps	100fps	50fps	25fps	100fps	50fps	25fps	12fps	

Record quality

Record quality		Record time in days and hours											
Super	Frame	12d7h	24d15h	51d8h	102d17h	12d7h	24d15h	51d8h	102d17h	24d15h	51d8h	102d17h	205d11h
	CIF	12d7h	24d15h	49d7h	98d15h	12d7h	24d15h	49d7h	98d15h	24d15h	49d7h	98d15h	205d11h
High	Frame	14d19h	29d14h	61d15h	123d6h	14d19h	29d14h	61d15h	123d6h	29d14h	61d15h	123d6h	246d13h
	CIF	14d19h	29d14h	59d4h	118d8h	14d19h	29d14h	59d4h	118d8h	29d14h	59d4h	118d8h	246d13h
Middle	Frame	20d17h	41d10h	86d7h	172d14h	20d17h	41d10h	86d7h	172d14h	41d10h	86d7h	172d14h	345d5h
	CIF	20d17h	41d10h	82d20h	165d16h	20d17h	41d10h	82d20h	165d16h	41d10h	82d20h	165d16h	345d5h
Low	Frame	34d12h	69d1h	143d20h	287d16h	34d12h	69d1h	143d20h	287d16h	69d1h	143d20h	287d16h	575d8h
	CIF	34d12h	69d1h	138d2h	276d4h	34d12h	69d1h	138d2h	276d4h	69d1h	138d2h	276d4h	575d8h

* The data above is just a guide and based on approximate values.

Genie recommends its complete range of  Cameras.

BENEFITS

- Low Noise
- No Smear
- No Ghosting
- Upto **70% HDD Saving Effects**

Technical Specification

Model number	GDVR-40	GDVR-80	GDVR-160
Video format	PAL/NTSC		
DVR type	Quadraplex		
Operating system	Embedded RTOS (Real Time Operating System)		
HDD	IDE PATA HDD, Maximum storage size 1Tb per HDD		
Video input	4 x Composite 1Vp~p	8 x Composite 1Vp~p	16 x Composite 1Vp~p
Monitor output	1x Composite BNC, 1x Spot, 1x VGA & 1x S-Video		
Display speed	100fps (PAL), 120fps (NTSC)	400fps (PAL) 480fps (NTSC)	400fps (PAL), 480fps (NTSC)
Multiplex operation	Record, Live Display, Playback, Network & Back-up		
Users & passwords	Maximum of 5 users, Individual passwords / authority levels		
Administrator	Single administrator, individual password		
Audio in/out	4 x channel input single channel output	8 x channel input single channel output	
Alarm in/out	4 inputs, 1 output	8 inputs, 8 outputs	
Storage size	250Gb to 3Tb (3 x HDD spaces available)		
Network	10/100Mb Ethernet Base-T via RJ45 connector supports DHCP, DDNS, PPoE, TCP/IP, E-mail notification		
Motion detection	Adjustable area size (8 x 8 grid) and sensitivity		
Recording speed	100fps maximum (PAL), 120fps (NTSC)	200fps maximum (PAL), 240fps (NTSC)	
Recording resolution	352 x 288 (CIF), 352 x 576 (Half D1), 720 x 288 (Half D1) & 720 x 576 (D1)		
File size	1.5~6Kb, 3~12Kb, & 6~24Kb per frame		
Watermark	Yes, digitally encoded with time stamp		
Panic recording	Yes, raises the recording to the highest rate on selected cameras		
Screen modes for Live Display	1, 4, Cameo or Sequence	1, 4, 8 Cameo or Sequence	1, 4, 8, 16 Cameo or Sequence
Sequence dwell time	1~600 seconds		
PTZ control	RS485, various protocols (inc Pelco D, Pelco P)		
Camera titles	Yes, maximum of 8 Alphanumeric characters		
System recovery	Auto-Reboot		
Rackmount bracket	Yes		
Remote software	Central Management System (CMS) with E-Map and Web browser		
Back-up and Copy interface	CD-RW (optional DVD-RW), USB 2.0, CMS		
System operation	Mouse, front panel buttons, IR remote controller or keyboard (CTCS 5451)		
Enviromental	Operating temperature & Humidity : 5~40°C / 20~80% Storage temperature & Humidity: -20~60°C / 20~95%		
Power	AC 115~230V, 50~60Hz		
Power consumption	Maximum 70W, Average 68W @ 230V AC		
Certification	FCC Class A, CE (EMC/LVD), RoHS compliant		
Dimensions (W x H x D)	427 x 88 x 335 mm		
Weight	6.1 Kg (without HDD)		

ORDERING INFORMATION:

GDVR-40 4 Channel Quadraplex MPEG4 DVR, 115-230V
 GDVR-80 8 Channel Quadraplex MPEG4 DVR, 115-230V
 GDVR-160 16 Channel Quadraplex MPEG4 DVR, 115-230V
 (Available in various HDD configurations; 250Gb to 3Tb)

OPTIONAL PERIPHERALS:

CTCS 5451 3 axis Joystick control Keyboard for the G-DVR (available in either Black or White Colours)
 DVRENC Lockable DVR enclosure (includes 2x12v fans and PSU)
 OCT-LEAD 'D' Connector to 8 x BNC for 8 x Video Loop through

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