

## Mobile MPEG-4 DVR



## DynaGuard™ 204M/208M

The DynaGuard™ 204M/208M is an intelligent MPEG-4 Mobile DVR specifically developed to meet the rigorous requirements of the transportation surveillance system. Constructed with anti-vibration mechanical structure, the DG204M/208M also applies robust electronic components for operating in a wide range of harsh environments. Specifically, the DG204M/208M incorporates many necessary features for vehicle applications in addition to the general surveillance functions offered by the DG204/208. Users can locate the vehicle positions and record the speeds and routes of the trip by plugging a GPS modem to the RS-232 port, and/or wirelessly send messages out with a GSM transceiver connected through the USB interface.

## Features

### Advanced Functions

- Triplex+ Operation: Live, Record, Playback, Network
- Supports 1 internal 2.5" HDD
- Per Channel Configuration
- Multi-Language support
- Digital Zoom 2x2
- Supports Pre-Alarm Recording
- DynaRemote™ for remote monitoring
- Supports GPS for route tracking
- Supports GSM for sending short message

### Operate in Harsh Environment

The DG204M/208M is designed to operate at the temperature ranges from -10°C ~ +60°C and in the humidity condition of 5% ~ 85%, and tolerate 0.8G vibration at the frequencies between 5Hz and 500MHz. Moreover, DG204M/208M adopts a 2.5" HDD mounted on a swappable tray for the vibration buffering.

### GPS Support

The DG204M/208M can locate the vehicle positions and records the speeds and routes of the trip by connecting a GPS modem to the RS-232 port.

### GSM Support

Incorporating the SMS (short message system), the DG204M/208M is able to transmit messages out by a GSM modem connected through the USB interface.

### Humane Technology

- ezBurn™ for quick video export
- ezRecord™ for quick recording setting
- ezDDNS™ for automatic DDNS configuration
- Export AVI file for Microsoft® Media Player
- Compact Control Keyboard (Optional)

## Technical Specification

Item	DG204M	DG208M
<b>Video</b>		
Operation System	Embedded (Linux )	
Video Standard	NTSC / PAL switch selectable	
Video Operation	Triplex+ (Live, Record, Playback, and Network)	
Resolution – Live Video	NTSC: 720 x 480 pixels Pal: 720 x 576 pixels	
Video Input	BNC x 4, 1.0V p-p, 75 ohm	BNC x 8, 1.0 Vp-p, 75 ohm
Main Monitor	BNC x 1, S-Video x 1, 1.0 Vp-p, 75 ohm	
Picture Refresh Rate	NTSC: 240 PPS (8CH) / PAL: 200 PPS (8CH)	
Display Mode	1, 4, 9	
Digital Zoom	2 x 2	
<b>Audio</b>		
Input	RCA x 2, Line-In	
Output	RCA x 2, Line-Out	
Recording Mode	Always Real time Record, Synchronized with Video	
Compression Method	ADPCM, G.726	
Data Rate	4KB/s, per CH	
<b>Recording</b>		
Compression Method	MPEG-4 Advanced Simple Profile	
Recording Mode	Schedule, Alarm, Motion Detection	
Pre-Alarm	Up to 30 sec (Normal Quality)	
Recording Resolution & Rate	NTSC: 30 pps@720x480 pixels 60 pps@720x240 pixels 120 pps@360x240 pixels	PAL: 25 pps@720x576 pixels 50 pps@720x288 pixels 100 pps@360x288 pixels
Recording Quality	8 Levels Presets, Adjustable	
Image Size	2KB to 20KB / picture	
Storage Mode	Linear / Circular	
<b>Playback</b>		
Playback	Play, Stop, Pause, Rewind, Forward, Search	
Playback Speed Adjustment	Yes 1x, 2x...32x	
Retrieve	Date / Time, Event	
Data Life Time	Yes (Programmable)	
<b>Alarm</b>		
Alarm Input	x8, Terminal Block (TTL)	
Alarm Detection	N.C. / N.O., Programmable	
Auditory Alert	Built-in Buzzer	
Motion Detection	21 x 13 (NTSC), 21 x 16 (PAL) Grid Array, Sensitivity, Trigger Level Adjustable	
Video Loss Detection	Programmable	
Alarm Relay Output	x2, Terminal Block, 3.0 A/30 VDC or 3.0 A/125 VAC	
<b>Communication</b>		
Network Connectivity	Ethernet RJ-45 connector, 10/100 Mbps, WLAN (optional)	
Remote Control Software	DynaRemote™	
Access Control	2 Level Password	
Remote Operation	Monitor, Playback, Recording, System Setup, Dome Camera Control, Archive	
<b>General</b>		
Unit Dimension (W x H x D)	213 x 72.7 x 235 mm (8.4 x 2.9 x 9.3 inches)	
Unit Weight	6.2 kg (13.6 lbs)	
Operation Temperature	-10°C ~ 60°C (w/ Hitachi Endurastar J4K30)	
Relative Humidity	5% ~ 85% Non-condensing	
Anti-vibration	0.8 G at 5 ~ 500 MHz (w/ Hitachi Endurastar J4K30)	
Power Consumption & Input	9 ~ 30V DC, 35W	

Remark ①: DynaRemote™ Software Requirements:  
Windows 2000 or XP, Intel® PIII or faster, 256MB RAM (512 MB RAM recommended), Microsoft® Internet Explorer 6.0 SP2, LAN or Internet connection.