



## PS-804MO Compact 4-CH Mobile DVR

- **Mobile, 4-CH H.264 Digital Video Recorder**

### Features

- Embedded DVRs for all kinds of vehicles, also suitable for **safety driving & drive recorder applications**
- **Compact design**
- 4-CH **H.264** DVR with sixfold operation – record, live, playback, backup, control, & remote access
- **H.264** video compression/decompression with configurable quality
- Digital watermark
- **Record capabilities – Full-D1: 60/50FPS, Half-D1: 120/100FPS, CIF: 120/100FPS**
- **Playback capabilities – Full-D1: 60/50FPS, Half-D1: 120/100FPS, CIF: 120/100FPS**
- Realtime live display for all cameras
- 2-way audio capabilities
- Event recording, time-lapse recording or both
- Playback search by time or event (alarm, motion, video loss, **acceleration, brake, speed, & left/right turn**)
- **Smart search & playback**
- Intelligent motion detection with programmable area and sensitivity
- **1 SD/SDHC card with storage up to 32GB**
- Video/audio backup to USB2.0 storage devices, including pen drive, DVD+RW, DVD+R, and DVD-R
- **Ethernet** and **USB 3G dongle** support for remote access through I.E. or proprietary remote software, e-mail alarm notification, FTP file storage, remote setup and software upgrade
- **Support remote PC with Windows 7, Vista, XP, and 2000**
- **1 I.E./Firefox software for unlimited number of DVRs**
- **Support Google Earth and Google Maps**
- **Remote access through mobile phone/PDA/Tablet PC with free iPhone/iPad/Android software app.**
- **Remote controller and mouse operation**
- **RS-232 for PTZ and keyboard control**
- **Car speeding pulse input**
- **Car engine revolution signal input**
- **Built-in G sensor**
- **Built-in lithium battery (optional) for recording after power loss**
- **Optional GPS antenna**
- Multi-lingual support for setup and display
- Multi-level password and authentication key protection to ensure high degree of security
- Anti-shock and anti-vibration design
- Moisture-proof design with spray coating
- **OCX SDK** available for the integration with different applications

# Specifications

System	O.S.	Embedded Linux 2.6
	Multiplex	Sixfold operation - simultaneous record, live, playback, backup, control, & remote access
	Certification	FCC, CE, LVDS, etc.
Video	Format	NTSC/EIA or PAL/CCIR
	Input	4-CH, CVBS, 1Vp-p/75ohm
	Main monitor	CVBS x 1, 1Vp-p/75ohm VGA D-SUB 15-pin connector
	3-D de-interlace	Yes
	Loss detection	Yes
	Motion detection	Yes, with configurable detection area & sensitivity
Audio	Input	1, line-in level (100mV-1Vrms)
	Output	1, line-out level (up to 1Vrms)
Record	Compression	Video: H.264 Baseline Profile Audio: ADPCM
	Frame rate (IPS) & Resolution	NTSC – 60 / 720*480, 120 / 720*240, 120 / 360*240 PAL – 50 / 720*576, 100 / 720*288, 100 / 360*288
	Watermark	Yes
	Mode	Manual/Schedule/Alarm/Motion/ <b>Acceleration/Brake/Speed/Left-Right-Turn</b>
	<b>Pre-record time</b>	<b>0 - 10 seconds</b>
	<b>Post-record time</b>	<b>0 - 60 minutes</b>
Display	Resolution	NTSC – 720*480, PAL – 720*576
	Split windows	1/4
	Frame rate	Up to 30 (NTSC) / 25 (PAL) IPS per camera
	Freeze	Yes
	Sequential switch	User adjustable
	Digital Zoom	X2, X4
Playback	Frame rate (IPS) & Resolution	NTSC – 60 / 720*480, 120 / 720*240, 120 / 360*240 PAL – 50 / 720*576, 100 / 720*288, 100 / 360*288
	Search	Smart search, Date/time, Camera, Alarm, Motion, Video Loss, <b>Acceleration, Brake, Speed, &amp; Left/Right Turn</b>
	Operation	Play, Fast Forward, Backward, Pause, Stop, etc. Remote I.E. and HEM can also Print
Storage	<b>SD/SDHC</b>	<b>1, 8-32GB class 10 or above</b> <b>Failure detection &amp; privacy law supported</b>
	Partitions	Configurable alarm partition size
	Backup	1 USB 2.0 port <b>Self playback for backup files</b>
Alarm	Input	2 contact or TTL/CMOS signal, polarity selectable
	Output	1 Normally Open or 1 Normally Closed relay output
	Buzzer	Yes
	Triggered by	Sensor input, Video loss, Motion, Speed, Acceleration, Brake (with built-in G sensor), & Left/Right Turn
	Event log	Yes
Network	Ethernet	1 RJ-45 10/100BaseT Ethernet connector
	<b>USB 3G dongle</b>	<b>Yes</b>
	Web	Remote setup, monitoring, backup, alarm notification,

		& remote software upgrade Support Windows 7, Vista, XP, and 2000 1 I.E./Firefox for multiple DVRs Configurable HTTP/Control/Data port
	E-mail	Alarm notification to stationary or mobile devices
	FTP	Alarm video/audio file storage
	Video	1/4 split-window & SEQ mode for I.E. and HEM Dynamic electronics maps for HEM Dual streaming live view
	Audio	Bidirectional
	Protocol	TCP/IP, HTTP, PPPoE, DHCP, DDNS, FTP, TSP
	Remote users	Up to 6 users simultaneously
	Bandwidth	TCP/IP type dynamic sliding window control
	Remote stations	PC, mobile phone, PDA, and/or tablet PC With free iPhone/iPad/Android software app.
Control / GPS / Car Speed / Engine Revolution	I/R	1 I/R remote controller through built-in sensor or wired remote sensor
	RS-232	1 set (3-pin: Tx, Rx, GND)
	GPS	Optional
	Car speed	2-pin for car speeding pulse input with configurable parameters or from GPS
	Engine Revolution	2-pin for car engine revolution signal input
Setup	Local	On screen setup via I/R remote controller and/or mouse
	Remote	Setup & upload via Windows application software
	Multi-lingual	Yes
Reliability	Power loss protection	Built-in lithium battery (optional) for up to 10 minutes of recording after power loss
	System recovery	Auto power on after power loss recovery
	Watch Dog Timer	Yes
	Timer	Built-in real time clock Time synchronization with TSP server or GPS
	Security	Multi-level password (3 levels, up to 18 accounts)
	Operating shock	8G, 11ms (20 per five seconds max)
	Operating vibration	5~500Hz, 2.7G rms
	Moisture proof	With spray coating
Weights & Measures	Dimension	118.5(W) x 128(D) x 43.4(H)mm
	Weight	400g
Power	Source	+12 or +24VDC, with acceptable range +9.5~30VDC
	Consumption	6W
	Delay OFF	Yes, with configurable timer
Operating Temperature		0°C ~ +50°C (w/o internal lithium battery) 0°C ~ +45°C (w/ internal lithium battery) Lithium battery will not be charging over 40°C

### Ordering information

DM-1204: Compact Mobile, 4CH H.264 DVR DM-1204G: DM-1204 with GPS antenna  
DM-1204B: DM-1204 with lithium battery