

# MSD243

Mobile Surveillance

Driving Recorder

Full HD 5 Megapixel/GPS vehicle video recorder



- Built-in Full HD 5M CMOS Sensor. Viewing angle approx. 105 degrees.
- Easy installation. Suitable for all types of vehicles use.
- Equipped with 3 inch TFT LCD screen providing a platform for composing and playing back footage.
- Video record outside driving conditions and audio record inside the vehicle simultaneously.
- G-sensor, GPS and Image data are recorded and playable on client software. (GPS only for MSD243-G)
- Image data is securely stored on SD Card (read/write speed 15MB/s), support Max. 32 GB, and sudden disconnection from unexpected shock is completely prevented.
- G-sensor sensitivity can be adjusted according to vehicles and road situations. When detect a strong shock, system will start emergency recording and keep the files without being overwritten.
- The most user-friendly player software, easy to operate.
- With full time/date record, can be displayed in screen directly.
- Provides complete event log table, easy to search recorded files.
- Provides a variety of recording video formats and number of frames to select.
- Built-in two way High Sensitivity automatic gain control Microphone.

## Specification

Model	MSD243-G	MSD243
Chipset	Ambarella H.264 image compression chip.	
Sensor Device	Full HD 5 Megapixel CMOS sensor.	
View Angle	View angle approx. 105 degrees. (Option for M12 Len model)	
Display	LCD 3 inch 16:9 monitor.	
Voltage	Start at 5 V $\pm$ 5 %; 650 mA, Remark: Please use 5 V $\pm$ 5 % 1 A Cigarette lighter adapter. The machine needs 4.8 V to start.	
Operating temperature	-10 $^{\circ}$ C ~ 70 $^{\circ}$ C (inside vehicle)	
Storage device	For the performance issue, use SanDisk SD card Class 6 or above read/write speed 15 MB/sec recommend. (min. capacity 4 G, max. 32 G)	
Recording frame and content	1920 $\times$ 1080 (Full HD1080P/30 fps); 1280 $\times$ 720 (HD720P/ 60 fps and HD720P/30 fps). Auto record when power up system.	
	Recording frame: 30 fps (NTSC/PAL) only select one.	Recording frame: 30 fps (NTSC/PAL) only select one.
Camera mode	Resolution 3M, 5M, 8M (manual/ G-sensor/Timer)	
Recording content	Date, time, image, sound, G-Sensor data , GPS data	Date, time, image, sound, G-Sensor data, GPS data (with external GPS Mouse only)
Recording format	Specific format for player software (recording mode) .	
Microphone	Build-in Dual High Sensitivity Microphone.	
Input device	(a) Enforced recording button, monitor ON/OFF button, Remote controller. (b) GPS Mouse external extension hole.	
Out Device	(a) TV-Out (1 Vp-p composite video output, 75 ohms), Two kind of system: NTSC/PAL. (b) Green light: Power/Red light: Recording. (c) Blue light: GPS 3D Positioning (No lighting for CDR-E23 without external GPS mouse). (d) Mini USB for PC connection.	
Time Setup	Auto-calibrating by GPS signals. If GPS is not available, the built-in clock will be used.	
G-Sensor	Build in Internal 3D G-Sensor.	

\*Design and specifications are subject to change without prior notice.

