

# Enhanced Video Data Recorder (Black Box for Vehicle)

DIPEL Electronics Co., Ltd



**watchdog**<sup>TM</sup>  
ecoBlackbox



Size : 87x 54X 30(mm)



**Evidence  
of  
traffic  
Accident**

**Prevention  
of  
traffic  
Accident**

**Green  
Driving**

**Safe  
Driving  
habit**

## **Watchdog eco BlackBox is Car Black Box (Driving Recorder System)**

which is recording front view, inside of vehicle and voice so the data is very useful to protect vehicle robbery, secure evidence of traffic accident, analyze an argument between driver of hired vehicle and passenger through voice recording and lead drivers to safety driving. Additionally this Watchdog eco Black Box provides ECO Function which shows driver's Rapid acceleration, Sudden deceleration & idling in traffic with separated Viewer so that it guides you to have the green and economic driving habit. And the Design of Watchdog eco Black Box is very compact and modern with Smooth rounded shape comparing the competitive Black box products so it can be a very worthy as a Car interior item.

# Why Watchdog eco BlackBox?

## ◆ Guider to Green driving!

- The First Black Box added ECO function in World (Based on GPS Data)
- Help driver to change anti-environmental and uneconomic driving habit.
- Easy Checking Driving Data (Mileage , Rapid Acceleration, Sudden Deceleration, Over Speed, idling in Traffic, Stop and Parking data, etc)
- Guiding Driver to have green & economic driving habit with showing Driving grade

## ◆ Big Difference, Brand-new Shape!!

- Various Color Match-up
- Very Compact and Modern with Smooth rounded shape
- Easy Installation with detachable bracket & Clean Finishing for internal wiring

## ◆ Car Crashes! Morn than 30% is Back & Sides!!!

- Free mounting the extra second camera inside or outside (Option : Providing Life-Waterproof Second camera)
- No Invasion of privacy , Records Rear side Anywhere you want.
- Providing the analysis data for side crashes

## ◆ Clear Evidence, No Argument!!!!

- Realizing Better precise video quality with Auto focusing function
- Securing HD Image ( 1.3 Pixels, 640 X 480 Resolution )
- High visibility for the Number plate at Night time

Item	Specification	Remark		
Hardware Specification	Camera	Color CMOS 1.3M		
		1ch.	Type : Normal Type View angle : 120°	
		2ch.	Type : Infrared	
			View angle : 150°	
	G-sensor	Storage of 3 axes records	Impact, Deceleration, Detection of Acceleration	
	GPS	Internal GPS Module		
	External Storage	SD Card (SDHC Support)	External Storage 8~32GBytes SD Card Support	
	USB	USB 2.0 High Speed (Function Only)		
	Battery	Internal Super Cap Back		
	Speaker	Mono Speaker	1W	
MIC	Internal	Voice Recorder		
Software Specification	Rec. Condition	Frame – 1, 2 ch 20fps		
		Unit – 10min max.	1~ 10min.- Adjustable	
		Time – 10MB/min.		
		Event file – log file storage (txt)	Can be played on PC Viewer	
	Event	"G" sensor	Display of 3 axes record graph (X,Y,Z)	
		Emergency Button		
	File Format	Video : H.264	Customer Licensing	
		Audio : AAC	Customer Licensing	
	GPS (location)	Speed, Direction		
		Linked to Google Map on Web	Applied to the map of recorded location	
Voice rec.	Internal MIC.			
AF. (Semi-Auto)	Internal Ambient light Sensor			
ECO	Providing ECO Driving Grade on Separated Viewer	First ECO Function for Black Box		
etc	Player : Speed/Direction, Location information, 3 axes records, Map			
	Setting environment : Display of Event Video Data Recorded, Setting Sensibility, Setting time zone			



PC Viewer



eco Driving Viewer

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