



[www.true-i.com](http://www.true-i.com)

# true-i



**Now Available**  
Smart-phone Integration  
Real-time Vehicle Monitoring



## All-In-One Vehicle Black Box

Accident Recording • 24 hours Surveillance • Tracking on Google Map  
Live Accident Alert • Remote Command Function





**true-i**  
Vehicle Black Box

A revolutionary Vehicle Black Box with sleek and minimalist design, equipped with a Motion Detector for parking surveillance and Shock Sensor for capturing video/audio footage totalling 40 seconds before and after any accident or event, together with the impact data, speed, time, location and direction of the vehicle.

## UNIQUE FEATURES



### Innovative

- Motion detection during parking surveillance mode
- Auto switching between parking surveillance and driving shock modes
- Smart battery monitoring and auto power off to prevent total battery drainage

### Envisioning

- Voice announcement for functional status of the device
- Provisional communication port for GPRS modem
- Connection port for optional external panic button

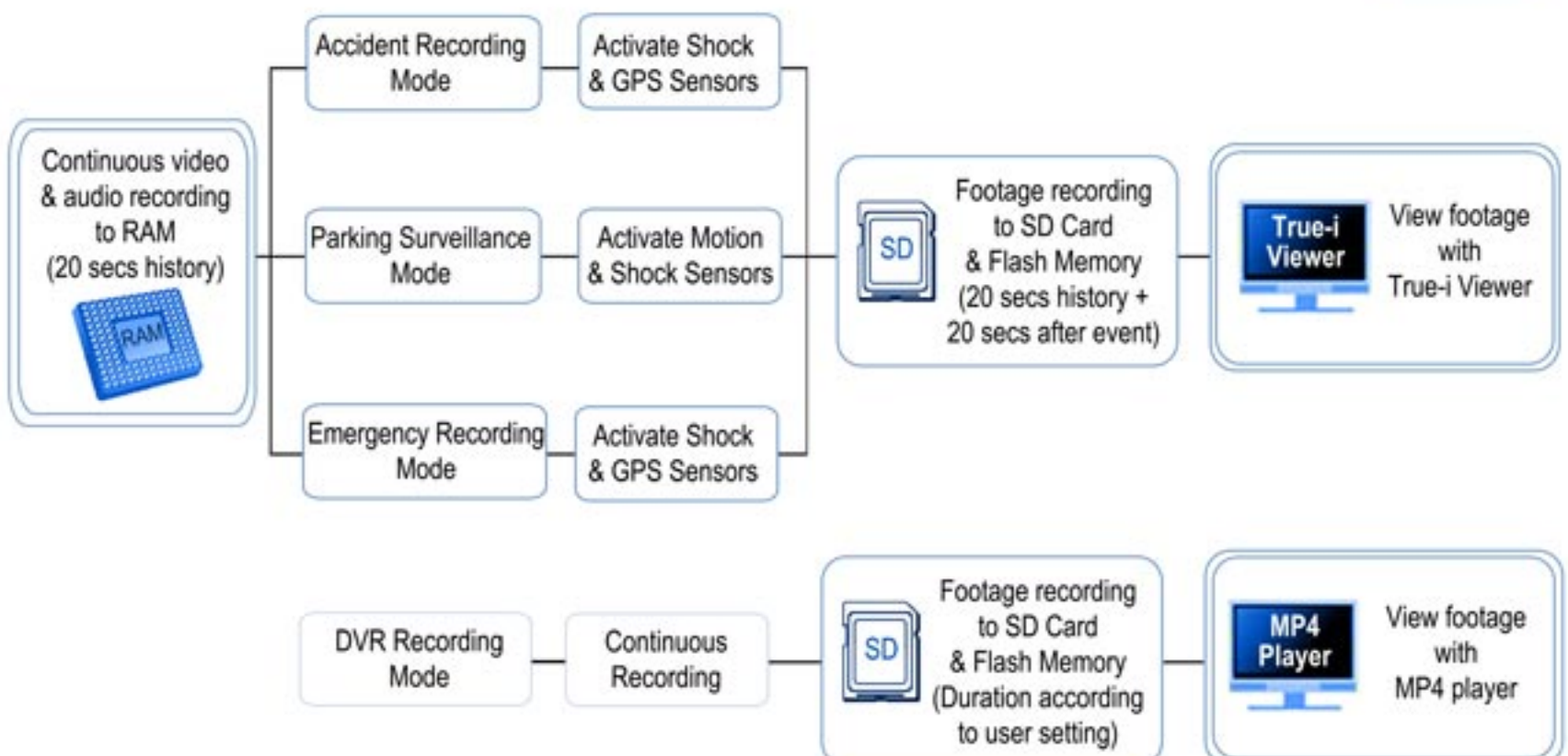
### Reliable

- Aperture of f/1.8 camera for better imaging in low light conditions
- On board 1GB Flash Memory and Li-po backup battery for emergency

### Upgradable

- Real-time vehicle tracking and monitoring via Google map on mobile phone or PCs
- Remote retrieval of live screen shots via mobile phone or PCs

## FUNCTIONAL DIAGRAM





## RECORDING MODES



**Red Light On**

### Accident (Shock) Recording Mode

- Shock sensor to detect impact/accident.
- Built-in GPS Antenna to capture time, location, speed & direction.

**Green Light On**

### Parking Surveillance (Motion Detection) Mode

- Motion detection sensor to detect suspicious motion near the vehicle.

**Orange Light On**

### Continuous (DVR) Recording Mode

- Continuous recording of scenic or use as a manual recorder.

**SOS**

### Emergency Recording (Panic) Mode:

- In any mode, user can record 40 sec of video/audio/shock/GPS by pressing any of the three buttons or using optional external panic button.

## SOFTWARE (TRUE-I VIEWER & REMOTE COMMAND)



- Accurate position display on Google Map
- User friendly updatable firmware
- User setup for sensor sensitivity, time zone & recording time
- USB 2.0 interface
- Display GPS & Sensor data



DESCRIPTION		1 Channel	2 Channels
Camera up to 2 channels	Image Sensor	Front : CMOS VGA	Rear : NTSC/PAL
	Field of view	Front : D: 160.5°, H: 121°, V: 88°	
	F/#	Front : 1.8	
Parking Surveillance	Resolution	VGA (640x480) fixed 15 fps	
	Detection by	Motion & Impact	
	Recording time	Max. 40 sec per event	
Event Record	Resolution	VGA (640x480) fixed 15 fps	
	Recording time	Max. 40 sec per event	
DVR	Resolution	MPEG4 VGA (640x480) Max. 25fps	
	Recording time	Set by User	
G Sensor	Sensor	3 Axis up to 8G	
	Sampling period	100 Hz	
GPS Antenna	SirfStar III		
USB Interface	USB 2.0		
Voice (Mic)	192 kbps Mono		
Speaker	0.4W Mono		
Video/Audio Out	NTSC/PAL, Mono		
External Memory Card Support	SD/SDHC up to 32GB		
On-Board NAND Flash Memory	1 GB		
On-Board Backup Battery	Li-Polymer 90 mAh		
External Button for Recording	2 pin connector		
Operation Temperature	-20 ~ 70 Degree C		
Power Supply	12 ~ 24 V		
Power Consumption	< 1W @ Parking Surveillance mode		
Weight with Holder (without folder)	100g (80g)		
Dimension (W×H×D) mm	79×54×34 (Min 19, Max 34)		

**Ease Insurance Claims • Catch Car Vandals • No Accident Disputes**



## APPLICATION

- Fleet and fleet management companies (Taxis, buses, trucks, etc)
- Motor insurance companies
- Car importers and dealers
- Driving centers and driving instructors
- Rental car companies
- Car related shops
- Vehicle owners

**Global Distribution : Hanman International Pte Ltd (SINGAPORE)**

2 Jurong East Street 21, #03-157 IMM Building, Singapore 609601  
Tel : (+65) 6564 4704 Fax : (+65) 6234 4635 • Email : true-i@hanman.net

**R&D and Manufacturing : Hanman Technology (KOREA)**

#707, Hyundai Office Building, 9-4 Sunae-dong, Boondang-gu, Sungnam, Gyeonggi, Korea 463-783  
Tel : (+82) 31 715 0626 Fax : (+82) 31 715 0256 • Email : sebaek@hanmantech.com

**Hanman**  
International Pte Ltd  
[www.true-i.com](http://www.true-i.com)