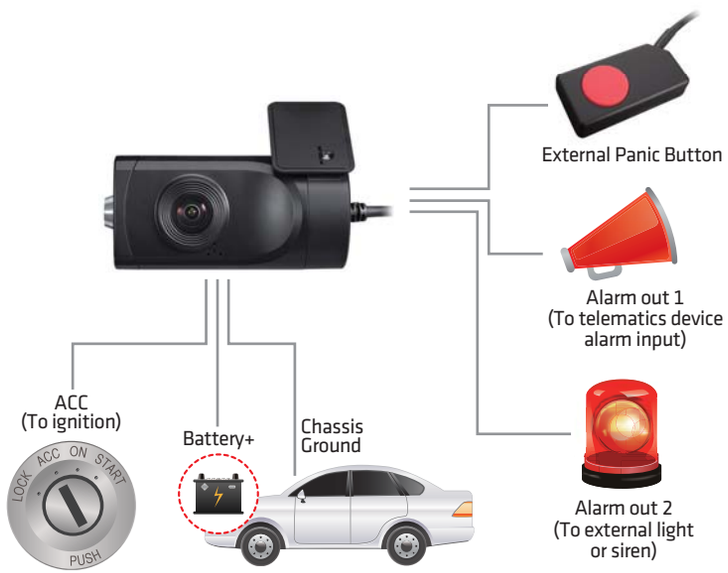
Smarty Drive Recorder

VT1000



VT1000 System Diagram



VT1000 Features

Security enhanced design
The sleek D- TEG design is complimented by fixed cable connections and lockable covers to enhance insure data is not lost.

1080p Full HD quality video recording
2.1MP Full HD recording captures images allowing you to enjoy finely detailed video

170° wide angle lens
Full view of road and merging lanes

Built-in GPS/GLONASS
Highly sensitive positioning solution for live vehicle tracking and reporting

External Panic button
The system can be connected with an external Panic button

Audio recording
Internal omni-directional microphone captures clear audio recordings in sync with video

Event, continuous and dual mode recording
Different recording modes can be set for different uses and data needs

Professional analysis software
Play back, AVI conversion, analysis, back up, and many more functions can be performed on the PC viewer program. Windows 7/8/10 compatible

Privacy
Passwords can be set to limit people who can view the data safeguarding private information

Smart G-sensor
G-sensor information is presented in a simple graph making it easier to find impact time

Self check and notification
The system automatically preforms and health check and notifies the driver of any problems

Driving Data
Data on speed, location, abrupt accelerations, sudden turns are recorded in the log files

Google™ Map 3.0 and Google™ Earth licensed
Google™ Map is embedded into the PC Viewer program and Google™ Earth will automatically launch accessed

VT1000 Specification		
Camera	Image sensor	3 Megapixel color CMOS
	Angle of View	179° (horizontal: 150.2°, vertical: 79.8°)
	2nd camera input	No
Audio	Built-in microphone	Yes
	Compression	G.711
Video	Recording resolution	Main camera: 1920x1080, 1280x720, 640x480
	Recording Frame rate	Total: Max 30fps
	Recording Mode	Continuous mode
		Event mode (G-sensor, Panic button, External Panic button)
		Dual (Continuous + Event) mode
	Recording time	Event mode: before 20 seconds after 20 seconds
		Continuous mode: Min 130minutes ~ Max 217hours
	Compression	Video: H.264
GNSS	GPS/GLONASS	Support GPS/Glonass satellite, Output rate: 1Hz, CEP: ≦2.5m, Accuracy of Velocity: ≦0.1m/s (GNSS module spec.) TTFF: within 1 min after boot (open sky)
Sensors	G-Sensor	3Axis(X,Y,Z), Output rate: 100 Hz Measurement Range: -2G ~ +2G Sensitivity: 1024LSB/g Accuracy: ±140mg
Backup Power	Super Capacitor	Enable recording last file and shut down
Time	RTC	Internal battery
Sound	Buzzer	Recording start, Error
Storage	SD Card	SDHC (4GB~32GB) x 1 slot
User interface	LED	2 LED (Blue, Red)
	Button	2 pcs (Panic button, Calibration button)
Interface	Video Output	No
	Alarm Input	1 (External Panic button)
	Alarm Output	2
	Signal input	No
Software	PC software	PC Viewer for Windows 7/8/10
Power	Power Input	Input Voltage: 12V/24V
		Input Current: 0.5A
	Power Type	Bare wire cable, Cigar Jack cable
	Max Power Consumption	6W
Lock	Locking enclosure	SD Slot Cover and Key Lock
Dimension	Size/Weight	100mm x 50Ø, 175g (include 1m cable)
Environment	Operation temperature	-10 ~ +55℃
	Storage temperature	-20 ~ +70℃
Standards	Certification	CE, E-mark

VT1000

Full HD (1080P) Camera with 30FPS

A 1ch drive recorder with GPS/GLONASS, G-Shock Sensor, Full HD video quality, Wide (170°) angle lens, Audio recording, SD storage and Locking SD cover.







