IT 1000 Specifications

Key Benefits

- Significantly reduce Operational / Fleet insurance costs.
- First Notification of Loss
  – Immediate Claim Intervention.
- Increased accuracy/admissible G-Force and GPS data required to defend or help mitigate third party repair costs or injury claims.
- Track and log vehicle journey history - vehicle usage optimisation.
- Prove innocence and what really happened.
- Detect unsafe driving and driver training needs
  – Alter driver behaviour.

Key Features

- Full HD Video - Automatically uploaded to server upon triggered event.
- Web-Enabled User Interface - Email or screen pop up notification that an event has occurred.
- Transmission of Speed, GPS position and G-Force data frequently sent to a designated server, through 3G network.
- Accurately records Speed with GPS Data Recording at 10Hz (10x second), as opposed to industry standard of 1Hz.
- Auto Calibrated G-Force Sensors.

Category	Specification	Value
Camera	Quantity	Integrated
	Resolution	1280p * 720p
	Frame Rate	25fps
	Sensitivity	0.05Lux
	Dynamic	115dB
	Angle of aperture	110°
Video Recording	Storage	SDHC/SDXC
	File Format	FAT32
	Storage Card	Micro SD Card (up to 32Gbyte)
	Dual Streaming	Continuously and event driven
	Event Trigger	Internal G-Force sensor or external trigger inputs
	Length	Configurable up to 30s pre-and 120s post event
	Transmission	3G Upload to server
	High Event Video Handling / Video High Events	Stored to internal memory or to micro SD card
		Automatic upload to server
	Low & Medium Event Handling / Video Low & Medium Events	Stored to micro SD card
		Upload to server manually
Data Encryption (optional)	Method	AES (Advanced Encryption Standard)
Data Access	Method	Via Web-Interface or API to VTS Server
G-Force Sensor	Axis	3
	Accident Level	Adjustable between 1g - 2g
	Trigger Level	3 Levels (Low, Medium, High)
	Calibration	Auto adjustment after installation
	Configuration	Remotely over the air
	Sampling rate	50 Hz - 1600 Hz
GNSS	System	GPS/GLONASS
	Max number of sattelites	90
	Update Rate	10Hz
	Tracking Interval	1s - 300s
	Antenna Connector	Internal
Modem	Versions	UMTS/CDMA
	Max. Data rate upload	UMTS 5.2MBit, CDMA 1.8MBit
Battery	Capacity	480mA
	Voltage	Up to 3.7V
	Operation time fully charged	20min, Standby 7 days
Data	Dimensions without mount	105mm * 45mm * 40mm
	Weight	140g
	Input Voltage	7V-32V
	Passive Cooling	Cooler with 25 Fins
	Approvals	RTTE Directive 1999/5/EC, ECE R10 (Rev 4) (E1)
Power Consumption @12V	Standby	170uA
	Recording	250mA
	Video Upload	650mA
Connector	Type	Molex 6-pin MicroFit
	Input	1 digital Input up to 32V
	Output	1 open collector, up to 30V, 100mA
	RX/TX	Configuration-Interface
	Power	Ignition + Vcc/GND