

IT2000

The Fully Integrated Dual Channel 3G Vehicle Camera



The IT2000 is a GPS 3G/HD dual channel video and telematics system. It consists of a base station with an integrated and one additional external/internal camera. The integrated GPS-module analyses GPS and GLONASS signals at the same time. This way positions, routes and velocities can be monitored with high precision. The built in 3-Axis G-force sensors have three adjustable settings that enable the camera activation and subsequent video output and telemetry data. All data is also stored on an exchangeable SD Card. Additionally the Camera contains a modem which safeguards the ability to transmit events and related video/telematics data directly to protected server. The embedded battery also assures completion of all processes during a potential loss of power. Authorised users can access the data through a secure web-interface.

There are two specific software options available **CamViewer** Standard Package and **CamTrak** Advanced Package which provide all the benefits of the 3G Vehicle Camera technology, but offer different levels of telematics data functionality.



For more information please contact
info@origingps.co.uk
or call 0141 353 9595
www.origingps.co.uk



IT2000 3G Vehicle Camera Features



Instant email alerts of 'High Level' triggered events in under a second.



Web-Enabled User Interface providing full HD quality video footage from both cameras and telematics data.



Transmission of Speed, GPS position and G-Force data frequently sent to a secure designated server through the 3G network.

1. Forward Facing Camera View

2. Internal Facing Camera View



Accurately records Speed with GPS Data Recording at 10Hz (10 x second) as opposed to the industry standard of 1Hz.



Highly accurate 100Hz (1000 x second) Sensors to accurately detect Harsh Driving Events.



Remotely configurable G-Force activation levels and remoted diagnostics with camera health check.



ISO9001 Accreditation and E1 Marked in Germany.

Benefits of using the IT2000 Vehicle Camera & Tracking Solution

- 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 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.



Origin Voice & Data Limited



Intelligent Telematics
Integrated Camera & Tracking Solutions
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IT2000

Specifications



Camera	Quantity	1 Integrated / 1 External
	Resolution	*2 1280p * 720p
	Frame Rate	1 *25fps / 2 *12fps
	Sensitivity	0.05Lux
	Interface	Serial digital coaxial interface including power
	Dynamic	115dB
	Angle of aperture	110°
	Infra-Red	Side/Internal Camera only
	Audio	Configurable
	Storage	SDHC/SDXC
Video Recording	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 Stored to internal memory or to micro SD card Automatic upload to server
	High Event Video Handling / Video High Events	
	Low & Medium Event Handling / Video Low & Medium Events	Stored to micro SD card Upload to server manually
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 satellites	90
	Update Rate	10Hz
	Tracking Interval	1s - 300s
Modem	Antenna Connector	Internal
	Versions	UMTS/CDMA
	Max. Data rate upload	UMTS 5.2MBit, CDMA 1.8MBit
Battery	Antennen	Internal
	Capacity	480mA
	Voltage	Up to 3.7V
Data	Operation time fully charged	12min during transmission, Standby 7 days
	Dimensions without mount	105mm * 45mm * 40mm
	Weight	140g
	Input Voltage	7V-32V
Power Consumption @12V	Passive Cooling	Heat spreader cooling plate, 25 fins
	Approvals	RTTE Directive 1999/5/EC, ECE R10 (Rev 4) (E1)
	Standby	170uA
Connector	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

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