

VIGILANCE™ Portable Location and Tracking Intelligence

Public Safety and Mobile Asset Tracking

Designed specifically for law enforcement applications, TSI VIGILANCE™ uses international GPRS/GSM networks to determine and report the location of any mobile asset it is attached to with remarkable accuracy of just a few metres.

VIGILANCE™ Security Suite

VIGILANCE™ is extremely portable and ranks among the smallest tracking devices available on the market today. The compact form factor of the VIGILANCE™ hardware series makes it suitable for both personnel and vehicle tracking.

The core data device and backend portal are fully customisable to meet your specific security needs. Turn overleaf for more information on hardware specifications and optional accessories.



VIGILANCE™ Drive
Superior location technology

The VIGILANCE™ core device supports superior location tracking with per second accuracy up to 10 metres and optional data encryption.



VIGILANCE™ Secure
Accessible security features

VIGILANCE™ front-end devices are fitted with inbuilt safety functions including SOS Button, Listen-In Capability, Motionless Alerts and Vehicle Immobilizer.



VIGILANCE™ GeoFence
Customisable tracking rules

Ensures tracked assets remain within their assigned locations or designated routes.



VIGILANCE™ Maestro
Integrated C2

Enables complete coordination of the forward command and field units with the command centre.



VIGILANCE™ SenseMake
Intelligent data analysis

A perceptive system that processes real-time location and sensor data to achieve proactive command and control.



About Us

TSI is a leading security solutions provider with a global presence and proven track record in developing effective mission critical information systems. Our unique approach combines intelligent technology with extensive industry expertise—providing innovative solutions to suit your every security need.



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VIGILANCE™ Hardware Specifications

MOBILE SERIES

CORE DATA DEVICE AND OPTIONAL ACCESSORIES

	Portable built-in GPS/GSM.
	Over-the-air firmware and configuration updates reduce hassle to recall vehicles for maintenance.
	High capacity internal battery with option for extended battery.
	Intelligent sensor switch to detect detachment of device from target.
	Over-the-air commands can be sent to the remote terminal to open or lock doors, immobilise engine and cut off fuel among other possible functions.
	Client-based and Web-based applications providing positional/status/alerts information with high quality maps and customisable reports.
	Serial connection for computer, PDA or mobile data terminal applications (Bluetooth optional).
	Programmed exception reports for events including doors opened or locked, panic button, temperature sensors, engine monitoring, idling time and more.

GENERAL FEATURES

GPS	MODULE	uBlox
	RECEIVER TYPE	<ul style="list-style-type: none"> 50 channels GPS L1 frequency, C/A Code > 1 million correlators
	SENSITIVITY	<ul style="list-style-type: none"> Tracking: -160 dBm Reacquisition: -160 dBm Autonomous: -144 dBm
	ENVIRONMENTAL DATA	<ul style="list-style-type: none"> Operational limits: <ul style="list-style-type: none"> Altitude: 50,000 m Velocity: 500 m/s Operating temperature: -40°C to 85°C
	ELECTRICAL	<ul style="list-style-type: none"> Low power consumption Internal antenna supply Antenna short circuit detection High immunity jamming
GSM / GPRS	MODULE	Dual / Quad band
	FREQUENCY BAND	<ul style="list-style-type: none"> EGSM 850, EGSM 900, GSM 1800, GSM 1900 MHz Compliant to GSM phase 2/2+
	GPRS	<ul style="list-style-type: none"> Multi-slot class 10 Mobile station class B
	ENVIRONMENTAL DATA	<ul style="list-style-type: none"> Operating temperature: <ul style="list-style-type: none"> Normal operation: -20°C to 70°C Restricted operation: -20°C to 70°C Storage temperature: -40°C to 70°C
	SIM INTERFACE	<ul style="list-style-type: none"> 1.8V and 3V
POWER SUPPLY	BATTERY	Rechargeable Li-ion battery 3.6V to 3.9V
CONFIGURATION	LOCAL	Via micro-USB cable
	REMOTE	Via SMS or GPRS messages

VEHICLE TRACKER OPTIONAL FEATURES

AES 256	<ul style="list-style-type: none"> 256 bits encryption Both DATA and COMMAND encrypted over GPRS Messages keys encrypted further by base key
OBD	Interface with vehicle OBD to retrieve vehicle statistics
IMMOBILISER / SPEED LIMITER	Immobilise or limit speed of vehicle for designated roads
IO PORTS	Able to connect to external sensors (door sensors, seat sensors, temperature sensor)

PERSONNEL TRACKER OPTIONAL FEATURES

WI-FI MODULE	<ul style="list-style-type: none"> Send location data over Wi-Fi Determine location via Wi-Fi access points (for indoors)
MOTIONLESS SENSORS	Sensor to detect "man-down" situations
VOICE CALLS	Ability to communicate with or listen in on tracked personnel
SOS	SOS button for tracked personnel to alert command centre during emergencies