VST
Mobility Solutions

SMART eCLIPSE

Vehicle Tracking Unit

VST Vehicle Tracking Unit (VTU) is an advanced IRNSS & GPRS terminal with embedded e-SIM & IRNSS(NavIC) module for effective fleet management. User-friendly cum Next Level intelligent computing Web and Mobile Applications for real-time tracking & MIS Reports.

AIS 140 Certified
IRNSS/NavIC

Mobile Apps

Android-iOS

Real Time Vehicle Tracking

- Indian Regional Navigation Satellite System
- Government Approved Panic Button
- Multi Network e-SIM
- Offline Storage : 100000 Logs
- Superior Battery Backup(1500mAh)

_Alerts

- Location Update
- Location-Update History
- Disconnect from main battery
- Low Battery
- Low batttery removed
- Re-Connect to main battery
- Ignition ON
- Ignition OFF
- Box Opened
- Emergency State ON
- Emergency State OFF
- OtA Updation
- Harsh Braking
- Harsh Accelaration
- Rash Turning
- Impact Alert
- Geofencing

Safe and Secure Travel

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SMART eCLIPSE

Vehicle Tracking Unit **VST0507C**

VST Mobility Solutions

SMART FEATURES

- All-time Live Tracking
- Tracking on Demand
- Tracking by Time Interval
- Engine Immobilizer
- 6 Axis Accelero-Gyrometer
- Fuel Level Sense
- Ignition ON/OFF Status and Alerts
- Vehicle Battery Status
- Configurable through SMS
- In-built Embedded Antenna
- Low Power Consumption Mode
- Tamper Proof
- Vibration Alert
- One Year Manufacturer Warranty
- Low Battery Alert
- Over Speed, Idle Time and Scheduled Alerts
- SMS and GPRS TCP Communication
- Data Logger Mechanism
- Geofencing
- Onsite Support
- Rugged and Environment Proof ABS Casing with IP65

APPLICATIONS

- Fleet Management
- Trailer Tracking and Surveillance
- School Bus Tracking
- Corporate Transportation
- Boat Tracking
- Usage Based Insurance
- Adventure / Traveling
- Intelligent Transportation
- Anti Hijack and Vehicle Security System
- Tracking for Law Enforcement
- Agriculture Fleet Management
- Mobility Advertisement

TECHNICAL SPECIFICATIONS

Input Voltage	:	DC 7.0- 36.0V
Power Consumption	:	40mA in Sleep mode, 100 mA in Active mode
Battery Backup	:	3.7V, 1500mAh(Lithium Ion)
Dimensions	:	124mm x 90mm x 25mm
Weight	:	160g
Operating Temperature	:	-40°c to 85°c
Protection	:	IP65, ISO 7637-5, IS2465
Memory	:	100000 Logs
Communication	:	GSM, GPRS, 1 Serial Port, TCP/IP
GSM Module	:	Quad band (850, 900,1800,1900 MHz)
GNSS Type	:	IRNSS, AGPS, GLONASS, GAGAN
GNSS Sensitivity	:	Acquisition : -140dBm, Tracking : -153dBm, Reacquisition : -156dBm
GNSS Frequency	:	L5 1176.45MHz(IRNSS), L1 1.57542GHz(GPS)
Channels	:	>12
Position Accuracy	:	<1.8m CEP
Velocity Accuracy	:	<0.1m/s
Acceleration Accuracy	:	0.1m/s²
Timing Accuracy	:	1PPS Out (3.9ns)
Reacquisition	:	<1.5s
Hot Start	:	<2s
Cold Start -TTFF	:	<44s
Warm Start	:	<38s
Altitude Limitation	:	Max. 18000m
Acceleration Limitation	:	4G
Digital IO's	:	Two Digital Outputs, Four Digital Inputs
Analog	:	One ADC, Two dedicated ADC for battery
Alarm System	:	Immobilizer, Buzzer, External-Gradual Stop

SOFTWARE SOLUTIONS

- CORPORATE TRANSPORT SOLUTION
- SCHOOL BUS MANAGEMENT
- PUBLIC TRANSPORTATION SOLUTION
- AGGREGATION PLATFORM
- USAGE BASED INSURANCE
- FLEET MANAGEMENT SOLUTION

MADE IN INDIA

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