

Live Tracking through IRNSS

VTD - 12



Rosmerta Autotech Pvt. Ltd.

Geo Fencing



Emergency
Alert



Over Speeding



Harsh Breaking



Emergency
key



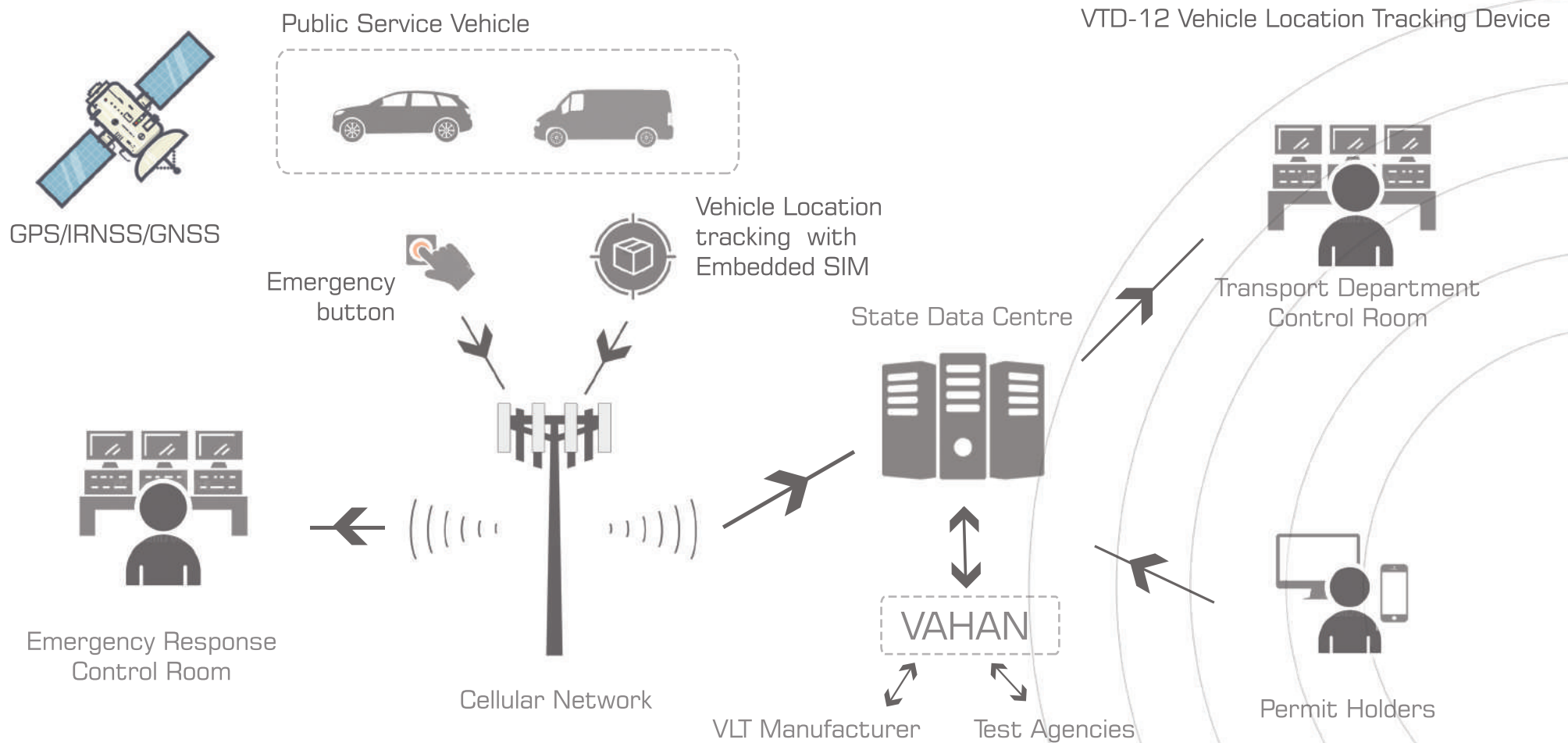
MOVE SEAMLESSLY
TRAVEL
SAFELY



AIS-140 Type Approval By



TAC No:
CKD8042 DATED 26th APRIL 2019



AIS - 140

- As per MoRTH GSR notification dated 28th Nov, 2016 notifying CMVR 20th Amendment, all public service vehicles are to be fitted with Vehicle Location Tracking (VLT) device and one or more emergency buttons duly certified by ARAI or iCAT for compliance with AIS-140 / IS:16833 standard.
- The objective of this amendment of CMVR and notification is to create a uniform system of vehicle monitoring and facilitating actions during emergency situation when the Panic button is pressed.
- As per AIS-140 standard, each VLT will have 2 different IPs to connect, one for normal tracking data and other for emergency button press. While the normal data will be used by State Transport Departments, the emergency data will be connected to respective Emergency Response Control Room. The permit holders can also have provision to view the data from the State application to monitor their vehicles.
- Rosmerta VTD-12 device is certified by iCAT for AIS-140 compliance which includes IRNSS based navigation. Rosmerta also have data centre & control room solutions for State Authorities to facilitate a faster deployment in their respective states.



Device Specification

Size in mm	125 x 86 x 38 (L x W x H)
Housing	Weather proof (IP 67)
Cabling	As per AIS028 & IS2465



Communication Subsystem

Mode	GPRS / GSM, eSIM, Multi Network Enabled
Frequency	850 / 900 / 1800 / 1900MHz (Quad Band)
GPRS Class	Multi-slot Class 12
Server Communication	Dual IP (Minimum)



In Built Sensor

Accelerometer	3-Axis Accelerometer
Gyroscope	3-Axis Gyroscope



Power Specifications

Rated operating voltage	8 – 36 V DC
Internal Battery Back-up	Li Ion Battery



TECHNICAL SPECIFICATIONS



General System Features

Position Log Storage	> 40,000 Positional Log can be stored during no-network zone.
OTA Configuration	Firmware Update & Configuration Update Over The Air
Diagnostic LEDs	LEDs for Power, GNSS, GSMStatus
Tracking Frequency	Minimum 5 Seconds
Alerts on	Emergency Button Press, Power Supply Disconnect, Ignition, Tampering Low Internal Battery, Harsh Breaking / Acceleration/ Rash Turning



Positioning Subsystem

Antenna Type	Internal Patch Antenna, option for external antenna for OEM fitment
Positional Technology	GNSS, SBAS including GAGAN & AGPS Support, IRNSS
Channels	99 acquisition channels,33 tracking Channels
Sensitivity	-160dBm @Tracking and -145dBm @acquisition
Cold Start	< 15 Seconds
Warm start	< 15 Seconds
Hot Start	< 1 Seconds
Position Accuracy	< 2.5m CEP

Our Offices



Toll Free No.

1800-120-3030

Email id

sales.vts@rosmertatech.com

Our Major Clients

State Transport	Petroleum	Mining	Emergency Service	Food & Civil Supply	Other Public Transport
Himachal Pradesh Maharsahtra Atal Nagar BRTS	HPCL, IOCL	Odisha Andhra	GVK, National Health Mission, Indian Red Cross	Jharkhand	Private Buses , School Buses and Cab Operator

Corporate Office

Plot- 137, Udyog Vihar, Phase - I, Gurgaon, Haryana, India - 122016,
Tel: +91-124-4990800. Email: info@rosmertaautotech.com,
Web: www.rosmertaautotech.com



Rosmerta Autotech Pvt. Ltd.

