Features

Ambarella CV25 Chipset - A powerful AI processor enabling efficient video encoding, object detection, and optimized data handling.

Bluetooth 5.1 - Provides fast, low-energy wireless connectivity for seamless device pairing and data synchronization.

Accelerometer - Measures linear acceleration to detect and log events such as harsh braking, rapid acceleration, or collisions.

Gyroscope - Tracks rotational movement, enhancing event detection and adding context to driving behavior analysis.

Embedded Storage - 128GB Sandisk eMMC, Durable, high-capacity storage for securely retaining telematics data and video files.

Telit PLS83-X 4G Module with GPS and AGPS - Ensures reliable cellular connectivity and precise location tracking, even in challenging environments.

Backup Battery - Provides Extra Large 18,650mAh battery power to ensure uninterrupted operation during power loss, enabling continuous data logging and video recording.

Mini SD Card Slot Expansion - Allows additional storage capacity for video and data, offering flexibility in long-term usage scenarios.

Specifications

Network - 4G LTE based on Telit Certified Module | LTE: 2,4 ,5, 12, 13, 14, 25, 26, 66, 71, 3G: 11

Location - GPS + AGPS with internal and external antenna option

CAN / Diagnostics Interface - Light/Medium Vehicles - J1962 / OBDII | Heavy Vehicles - J1939, J1708 (non diagnostics)

Processor - Ambarella CV25 with video encoding and AI acceleration

Auxiliary Inputs - 3 External Digital I/O's including ignition sensor and 1 Secure USB 2.0 Port

Bluetooth - Bluetooth 5.1

Secure Socket - Secure SD and SIM card slot

Storage - Soldered eMMC with 128GB and optional SD card

Movement Sensor - Accelerometer

Cabling - OBDII, J1939 or 3 wire harness options

Battery - 18,650mAh Battery for power disruptions

Harsh Driving Alerts - Front Facing ADAS, Driver Monitoring and Accelerometer based events

Upgrade - Over the air, (OTA), upgrade support

Device States - Active and Standby (wake from network, movement, ignition or RPM)

LED - Multiple LEDs on vehicle gateway for device status

Power Input - 12-24V Input, Consumption is 2W Active State, 0.4W Standby State

Temperature - -20° to +85° C

Dimensions - 5.7 x 3.5 x 1.2 / 145 x 88 x 30 mm

Certifications - FCC, PTCRB, Ro HS, REACH AT&T Network Ready and T-Mobile