Vision Asset Ultra

ULTRA-RUGGED LONG-LIFE GPS ASSET TRACKER

PART No. SL-0011-PT

Built for the assets you can't afford to lose and can't easily reach. The Vision Asset Ultra pairs high-precision multi-constellation GPS with low-power LTE-M / NB-IoT, a Bluetooth gateway and user-replaceable lithium cells for up to 20 years* of battery life — sealed to IP68 and IK07 for a hard life on trailers, plant and containers.

- Up to 20 years* battery life on 2 × user-replaceable D cells
- GPS, Galileo, GLONASS and BeiDou — accurate to ~2 m*
- LTE-M / NB-IoT, with cell-tower location as a fallback
- Bluetooth 5.2 gateway for tags and wireless sensors
- Magnetic tamper alerts and a real-time theft-recovery mode



Fix with screws, bolts, rivets or cable ties — no wiring needed

PRODUCT MARKINGS CE

~2 m CEP* MULTI-GNSS ACCURACY	**LTE-M / NB-IoT** LOW-POWER 4G	**Up to 20 yrs*** BATTERY LIFE	**IP68 · IK07** ULTRA-RUGGED HOUSING
BLE 5.2 TAG & SENSOR GATEWAY	**Tamper alert** MAGNETIC DETECTION	**–30 to +60 °C** OPERATING RANGE	**222 × 91 × 41 mm** 460 G WITH CELLS

Made for assets without a power supply

Trailers · Containers · Plant & machinery · Generators · Skips & bins · Compressors · Lighting towers · Hire & rental kit

Deter & recover
Tamper alerts flag removal instantly, and recovery mode switches to real-time tracking to get the asset back.

Deploy once
No wiring, no charging and no site visits — long-life cells keep it reporting for years.

Prove utilisation
Run hours and movement show what's earning and what's idle, so you hire and buy less.

Why Vision Telematics

- **Expert support** — Help from our specialist team
- **Commercial grade** — Built for working fleets and assets
- **One platform** — Vehicles, cameras & assets, one login
- **One partner** — Hardware, connectivity & software

Features & benefits

FEATURE — WHAT IT DOES	BENEFIT — WHAT IT MEANS FOR YOU
High-precision positioning Concurrent GPS, Galileo, GLONASS and BeiDou with a low-noise amplifier, plus cell-tower location when the sky is blocked.	**Find it first time** Pinpoint assets on large sites and in crowded yards, even where other trackers struggle to get a fix.
Adaptive tracking Reports less while parked and more while moving, with optional second-by-second tracking for real-time use.	**Detail when it matters** Accurate trips, speed and odometer data without sacrificing years of battery life.
Tamper detection & recovery mode Removing the external magnet raises an alert; recovery mode switches the tracker to real-time reporting.	**Faster theft response** Give the police a live location instead of a crime number — and dramatically improve the odds of recovery.
Bluetooth 5.2 gateway Reports nearby compatible Bluetooth tags and wireless sensors alongside its own position.	**More visibility, lower cost** Keep track of attachments and monitor conditions such as temperature without fitting a tracker to every item.
Impact, tip & rotation alerts Configurable g-force thresholds, tip angles and rotation counting from the built-in 3-axis accelerometer.	**Spot misuse and damage** Know when equipment is dropped, tipped or mishandled — and hold the right people to account.
Run hours & geofencing Movement-based run-hour logging, with geofences held on the platform and on the device itself.	**Smarter servicing & hire** Service on actual use, bill hire accurately and get alerted the moment kit leaves site.

Battery life you can plan around*

20 years
Once-daily location
For static or rarely moved assets — check in every day, for decades.

10 years
Movement-based**
Frequent updates while moving, quiet while parked — ideal for hire and plant.

10 years
Hourly location
Regular hourly positions for high-value or high-risk assets.

How it works

01
Fit it
Screw, bolt, rivet or cable-tie it to the asset in minutes. No wiring and no downtime.

02
It reports in
Positions travel over LTE-M / NB-IoT; records are stored and sent later if coverage drops.

03
You see everything
Live location, movement, geofence and tamper alerts appear on the Vision platform.

04
You act
Out-of-hours movement or tamper triggers recovery; utilisation reports show what's idle.

Technical specification

Connectivity

Network	LTE-M (Cat-M1) / NB-IoT — roams between networks with a roaming SIM
LTE-M bands	B1, B2, B3, B4, B5, B8, B12, B13, B14, B18, B19, B20, B25, B26, B28, B66
NB-IoT bands	B1, B2, B3, B4, B5, B8, B12, B13, B17, B19, B20, B25, B26, B28, B66
SIM	Internal nano SIM (4FF)
Bluetooth	Bluetooth 5.2 gateway for compatible tags and sensors
Antennas	Internal cellular and GNSS antennas

Location

GNSS	Concurrent GPS, GLONASS, Galileo and BeiDou
Accuracy*	~2 m CEP
Assistance	Almanac and ephemeris assistance for faster, more sensitive fixes
Reception	SAW filter and low-noise amplifier (LNA)
Fallback	Cell-tower location when GNSS is unavailable
Onboard data	Speed and heading reported with every position

Power

Batteries	2 × D-cell, 3.6 V lithium thionyl chloride (LTC), user-replaceable
Battery life*	Daily: up to 20 years · Movement-based**: up to 10 years · Hourly: up to 10 years
Sleep current	< 10 µA
Battery monitoring	'Battery low' and 'battery critical' alerts

Mechanical & environmental

Dimensions	222 × 91 × 41 mm
Weight	460 g with lithium batteries
Housing	Unbranded glass-filled nylon
Ingress & impact	IP68 and IK07
Operating temperature	–30 °C to +60 °C
Recommended storage	10 °C to 30 °C, 30% humidity
Mounting	Screws, bolts, rivets or cable ties — stainless-steel screws supplied

Sensors & smart features

Accelerometer	3-axis — movement, high-g events, tip and rotation
Tamper detection	External magnet — alert when the tracker is removed
Data logging	Flash memory stores records when out of coverage
Other sensors	Ambient temperature (indicative) · diagnostic LED
Smart features	Adaptive tracking · geofencing (platform and on-device) · impact, tip and rotation alerts · run-hour monitoring · sleep mode · theft-recovery mode

Technical specification (continued)

Management & security

Configuration	Over-the-air configuration and firmware updates
Data security	AES-256 encryption from device to cloud; HTTPS onward delivery
Platform	Vision platform — same login as your vehicles and cameras
Certifications	CE

In the box & options

In the box

- Vision Asset Ultra tracker
- Stainless-steel fixing screws
- Tamper-detection magnet

Options & accessories

SL-0017-PT	Bluetooth temperature sensor, EN 12830 certified
SL-0015-PT	Vision Asset Ultra + 1 temperature sensor (bundle)
SL-0012-PT	Global variant — 4G Cat 1bis with 2G fallback

On the Vision platform

Live location & history
Every asset on the same map as your vehicles.

Movement & tamper alerts
Out-of-hours movement and removal flagged instantly.

Geofences
Alerts as kit enters or leaves yards and sites.

Utilisation reports
See what moved, what sat idle and for how long.

* Battery life and positioning accuracy are manufacturer estimates under ideal conditions. Actual results depend on temperature, installation and orientation, battery choice, reporting frequency, network coverage, connected sensors and accelerometer settings.

** Movement-based: 2 hours of movement a day, 5 days a week, with location updates every 3 minutes and uploads every 30 minutes. More frequent in-motion updates will shorten battery life.

Ready to put the Vision Asset Ultra to work?

Talk to our team for a demonstration, a tailored quotation or help choosing the right configuration. We supply and support everything — hardware, connectivity and the Vision platform — from one partner.

Book a demo | Request a quote

Scan for the product page

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