



## Total In-Transit GPS Visibility and Event Reporting via Satellite on the StreetEagle Tracking Platform



### StreetEagle SX1 Loceight

- Ideal for Trailer and Container Tracking
- On or Off-Grid - Installation Ready
- Use the single StreetEagle Platform to track all mobile assets

The **SX1 Loceight**, integrated on the StreetEagle tracking platform, provides GPS visibility, event monitoring and remote asset data on a near global basis. Ideal for low volume messaging with mission critical data, the **SX1Loceight** provides commercial and government customers with the most cost-effective satellite solution available for both fixed and mobile applications such as intermodal shipping containers, trailers, buoys and barges. The StreetEagle web-based solution includes a best-in-class product line of GPS tracking devices providing mapping, display, reports and management tools for many tens of thousands of assets.



Dimensions:  
7.25" x 3.25" x 1"  
(184 x 83 x 25mm)

#### Ruggedized for Harsh Environments

The **SX1 Loceight** carries the highest environmental ratings available for any satellite or terrestrial tracking device, recently receiving HERO (Hazards of Electromagnetic Radiation to Ordnance) Certification and meeting or exceeding 16 methods within the MIL-STD 810F requirements, making it the most rugged satellite tracking tag available today. It's compact size makes it ideal for almost any container or asset since it is only 7.25 x 3.25 x 1 inch (184 x 83 x 25 mm) and weighs only 13 ounces (369 g).

#### Long-Life, Low Maintenance, Easy Install

- The total packaged solution requires no harnesses, no external power and no external antenna
- Change of location sensing sends alerts if asset moves outside of pre-determined range
- Messaging cost reduction mode: reduced satellite messaging if asset remains in same location

For expansion, the functionality of the **SX1 Loceight** is enhanced through the USB port. Supporting up to 8 external sensors, the **SX1 Loceight** provides additional capabilities to meet the demands of real-time security, alarm reporting and asset conditions. The internal motion sensor and highly configurable event alarms help customers manage their security concerns when high-value assets are at risk.

#### KEY FEATURES

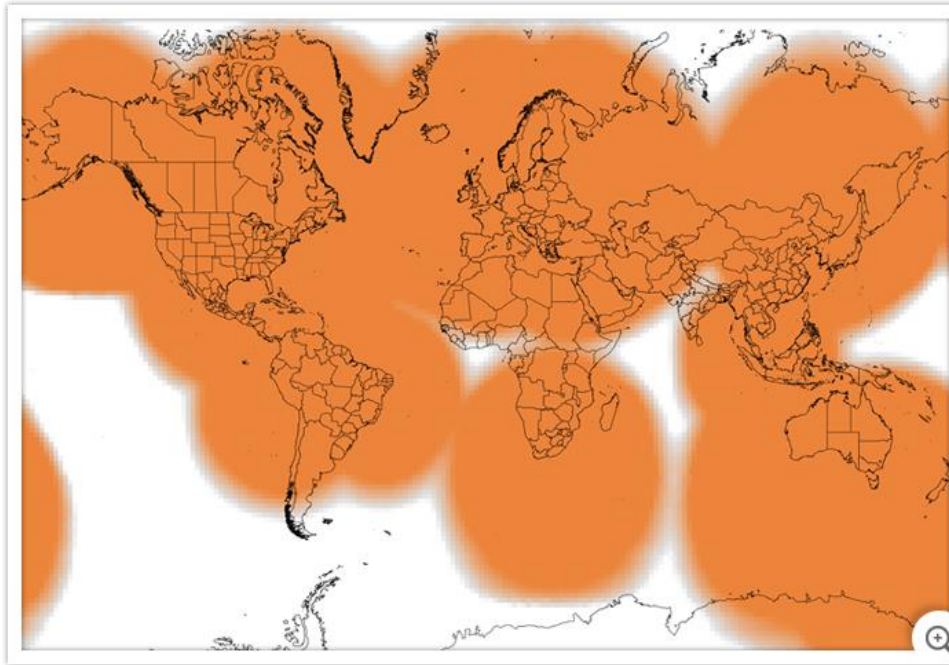
- Small compact profile
- 50% less cost than Dual Mode devices
- Rugged design for extreme environments
- Exceeds IP68 and NEMA 6P & MILSTD 810f requirements

Totally self-contained unit includes:


- GPS with antenna, Create Geo-Fences and Alerts
- Satellite transmitter with antenna
- Motion detector
- Multi-year, field replaceable battery
- USB HID interface
- Line power capable
- Magnet reed switch (on/off/ alarm)
- Multiple mounting options available
- Open data architecture for easy OEM integration
- Operates globally out of the box

The open architecture allows complete and secure data integration and is compatible with virtually any legacy supply chain, logistics or tracking application. Total Asset Visibility is available for authorized users on the StreetEagle Tracking Platform from any internet connection worldwide.

## Globalstar Coverage Map - Simplex Data 2015



 Primary Globalstar Service Area (90-100% Completion Rate)

 Fringe Globalstar Service Area (80-90% Completion Rate)

Globalstar is a low Earth orbit satellite constellation for satellite phone and low-speed and M2M data

communications, somewhat similar to the Iridium satellite constellation and Orbcomm satellite systems. The low power efficiency of the Globalstar STX3 transmitter chipset enables devices such as the **SX1 Loceight** operate for years without having to replace device batteries in trailers and containers.



StreetEagle **SX1 Loceight** has location and event report interval options of once, three or 6 times daily.

PLUS...

- Report On Start/Stop ,
- Report On Motion
- Report During Motion,
- Geo-Fence Reporting
- 180 days Historical Data plus permanent archiving

StreetEagle Asset Scanning   

Leverage your existing Android Smartphone devices as Barcode or NFC tag readers. Scan your inventory on the trailer or in the Container to verify correct shipments. Use as proof-of-service. Asset scans can be stored or sent to StreetEagle in real time. All scans automatically include a GPS location and time and date stamp.

## PRODUCT SPECIFICATIONS - StreetEagle Loceight AGRT

### PHYSICAL

- Dimensions • 7.25" x 3.25" x 1" (184 x 83 x 25mm)
- Weight • 13 ounces (369g)

### APPROVALS

- Radiated Emissions • FCC Part 15 and Part 25, Industry Canada, COFETEL, ETSI EN 301 489-1, and ETSI EN 301 489-3 (CE Mark)
- ESD Compliance Safety Approval Ordnance • EN61000-4-2  
• U.S. UL913, Class 1, Division 1 (Groups A, B, C, D) INTRINSIC SAFE OPERATION

### ENVIRONMENTAL

- Temperature • -40 C (-40 F) to +85 C (+185 F) Operating
- Humidity • 100% at 50 C, Salt, Fog Testing per MIL STD 810
- Vibration & Shock • Testing per MIL STD 810, SAE J1455, and EIC 60521
- Water & Dust Seal • Exceeds IP68 and NEMA 6P

### TRANSMITTER

- Frequency • 1.615 GHz
- Protocol • Simplex
- Modulation • Direct Sequence Spread Spectrum (DSSS)
- Maximum Tx Time • 1.4 Seconds/9 bytes
- Antenna • Satellite-GPS
- Packet Size • 9 Bytes

### UNIT OTA IDENTIFICATION

- Electronic Serial Number • Each unit uniquely serialized

### DIGITAL COMMUNICATIONS

- Programming Interface • USB HID Device

### SENSOR INFORMATION

- Motion Detection • Internal
- Sensor Interface • USB HID Device
- Integrated • Dry Contact

### POWER

- Battery Life • Lithium Metal Pack fully encased in ultrasonically welded plastic - Primary, 3200mAh up to 4000 Messages. Up to 10 year battery life
- Replacement • Field replaceable without device removal from asset
- Line Power Capable • Standard, via USB Interface

### MOUNTING OPTIONS

- Tape, Mounting Sled, Screw- bolt-on

### ACCESSORY TYPES

- Programming Tools and Cables, Mounting Accessories, Sensor Cables, Line Cables



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