VisioTrack

The VisioTrack is an application ready Sigfox enabled transceiver. A smart sensor perfectly suited for asset tracking applications. VisioTrack provides connection to national and global network infrastructure for reliable and secure communications. This rugged small form factor senor device delivers tracking functionality to powered or non-powered assets.

The configuration of the transceiver can be accomplished via the product or network allowing for real-time functionally flexibility. Powered through a Li-SOCL2 battery, it allows standard autonomy up to 10 years.

HIGHLIGHTS

- Location and sensor data through Sigfox compliant radio networks
- GPS and non-GPS hardware options
- Rugged IP67 enclosure
- Fully internal battery powered
- Long range connectivity
- Low Cost Low power design with up to 10-year autonomy
- Small, compact and easy to install and conceal
- Supports external sensor inputs

PERFORMANCES

SF RF power: *14dBm (25mW)*

SF RF sensitivity: *up to –127dBM*

GPS Sensitivity Tracking: *-158 dBm*

GPS Sensitivity Navigation: *-157 dBm*

FIRMWARE

SIGFOX network protocol

Transmission cycles:
2, 50, 100 or 140 frames per day

Data encryption: *AES128 Option*

SOFTWARE & DATA MANAGEMENT

Device data transmitted via the Sigfox cloud infrastructure to the back-end server platform for processing and reporting is provided as a standard. A custom platform with built-in device support can be provided or easily integrate the device into your own platform.

WARNINGS

- Battery end of life
- Over Temperature
- Tamper Detection

PERIPHERALS

- Temperature / Humidity sensor
- Ambient light sensor
- Quality of air sensor
- Digital and Analog IO
- Bluetooth (BLE)
- GPS
- Accelerometer

GENERAL INFORMATION

Operating temperature:
-20 °C / +65 °C

Mounting Options: *Screws, rivets, tie-wraps and 2-sided tape*

Dimensions: *110 x 58 x 30 mm*

Weight: *100 gr*

Housing: *Ip67*

Antennas: *All Integrated (Internal)*

GPS LNA: *On-board*

External Sensors: *Various supported*

Standards: *EN 300-220, EN 301-489, EN 60950, ICASA; CE*

SUPPORT

The device is available for RC1 (Europe, Middle East & South Africa)

REFERENCES

VisioTrack Hardware Manual

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sigfox ready CE ICASA APPROVED

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