sentrax

OVERVIEW

The **ZENIX LOF-2**, a state-of-the-art outdoor locator and gateway, employs Angle of Arrival technology for pinpoint tracking. It's a pivotal component within **Sentrax's ZENIX BLE Scanner** lineup, delivering advanced real-time location data and tracking capabilities For both assets and individuals.

Sentrax's Angle of Arrival (AoA) Scanner swiftly detects AoA tags, gathering data and furnishing real-time angle information. Through its edge-computation algorithm, it ensures rapid and precise calculations, streamlining installation and offering cost-effective workplace solutions. Moreover, it boasts IP66 level protection for added durability.

Equipped with cutting-edge IoT hardware and software, the **ZENIX LOF-2** is tailor-made for the demanding conditions of various industries and outdoor settings. It offers comprehensive real-time location and positioning services with sub-meter accuracy, making it indispensable for businesses operating in challenging environments.

ENCLOSURE

Type:

BLE 5.1 AoA Scanner

Dimensions:

330 mm (W) x 300 mm (L) x 90 mm (H)

Protection Class:

IP66

Material:

ABS plastic

Color:

Off-White

Weight:

1130g

SENSORS AND INTERFACES

Azimuth Angle	0 - 359 deg (± 5 deg)
Elevation Angle	0 - 90 deg (± 5 deg)
Temp. (int.)	0 - 65°C
Button	1 user reset button
LED	2 Red LEDs and 2 Green LEDs

FEATURES

- AoA filtering (Sentrax's Proprietary Algorithm)
- Designed for outdoor vicinity and applications
- Shower waterproof and IP66 graded
- Beacon Above/Below detection
- Beacon PDU Extraction
- Remote tag devices configuration & update

SOFTWARE - CONNECTIVITY

Sentrax's Solix Platform, MQTT*

CERTIFICATIONS

CE***, FCC***

ENVIRONMENT

Frequency:

2.4GHz

Sensing:

Protocol	BLE 5.1
Rx-Sensitivity	-103 dBm
Antenna	Array Antenna
Range	5-50m**

HARDWARE - CONNECTIVITY

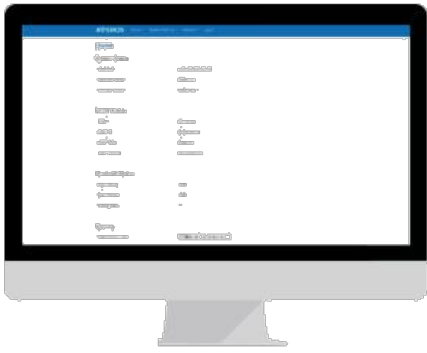|	
Supply Rating	24 Watts (12 V)
Communication	RJ45 - Ethernet (POE) WIFI - 2.4GHz b/g/n
Power Options	RJ45 - POE 802.3at DC Adapter - 12 V/2A

ACCESSORIES

- DC 12V/2A Adapter
- POE Communication Cable
- Wall/Celling Mount
- IP66 Enclosure and Connectors
- Mounting Screws

OPERATING ENVIRONMENT

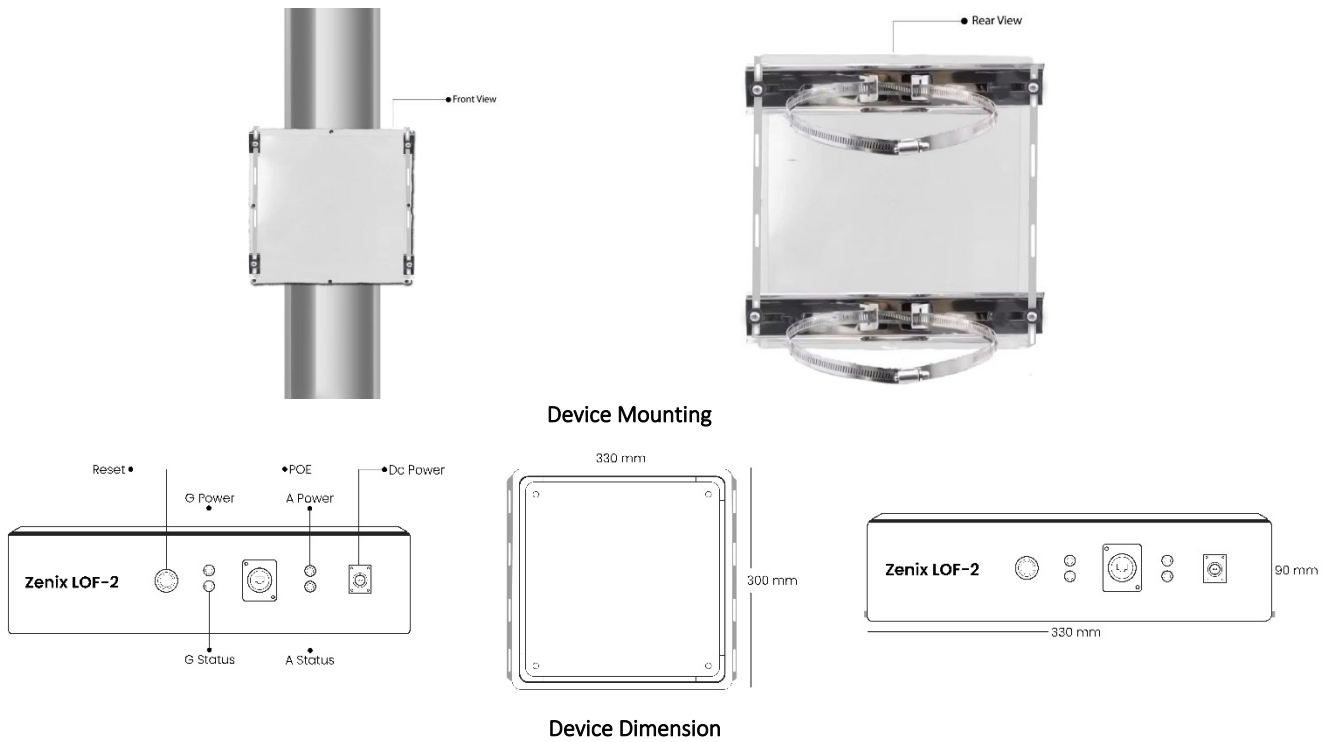|	
Temperature Range	0°C to 60°C
Operating Humidity	90%

* Can be configured to send data on local/clients MQTT broker
**. Distance depends heavily on local deployment environment and height of ceiling.
***. Pending.

Bluetooth SMART

CONFIGURATION PORTAL

The ZENIX Configuration Portal is embedded web page for configuration and device settings management. With the help of this portal customers can check the status of the device, change its parameters, backup and restore its configuration/settings and upgrade firmware.

MOUNTING AND DIMENSION

Device Mounting

Device Dimension

APPLICATION AREAS

- Outdoor Localization
- Harsh Environments
- Personnel Positioning
- Location Based Services
- Asset & Logistics Tracking

CAUTION

- Risk of Fire if power is given of an incorrect type or voltage.
- The Antenna port is output only

RECYCLING

This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment.

CONNECT WITH US

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