

UWB Audible LED Beacon-mobile



UWB tag adopts UWB wireless two-way high-frequency communication. A number of tag designs are made to meet different environmental conditions. The technology and application enable to detect unexpected incidents and to monitor real-time locations of mobile objects. Besides, the provision of API enables to integrate with customer's existing software. The RTLS system is designed to be scalable so that it can be easily deployed for tracking hundreds of objects. The firmware and hardware can be customized for customer's requirements.



Specifications

1. Protocol & Frequency : 802.15.4a UWB 3.25GHz~6.75GHz
2. Coverage : Maximum 100M line-of-sight
3. EIRP : -1.60dBm / 50mHz
4. Antenna gain : 2dBi
5. Alarm mode: Horn tweeter and led rotation alarm
6. Installation mode: Magnetic suction or wall-hanging
7. Power : Lithium battery 1800mAh (work-conserving); DC +12V (Charging LED indication, charging red, full of blue)
8. Dimension & Weights : body 157×117×143(mm)/ 460g (Without bracket and wire)
9. Protection level : IP55,Dustproof and waterproof, suitable for harsh environments
10. Model No : UTAG-SL90F-M V2
11. Applied area: Assets positioning and located alarm
12. Function description: It includes gsensor, loudspeaker (adjustable high pitch, maximum volume ≥ 110 dB) and led rotation alarm (standard configuration), which can expand PA (optional) for the functional needs of the environment.

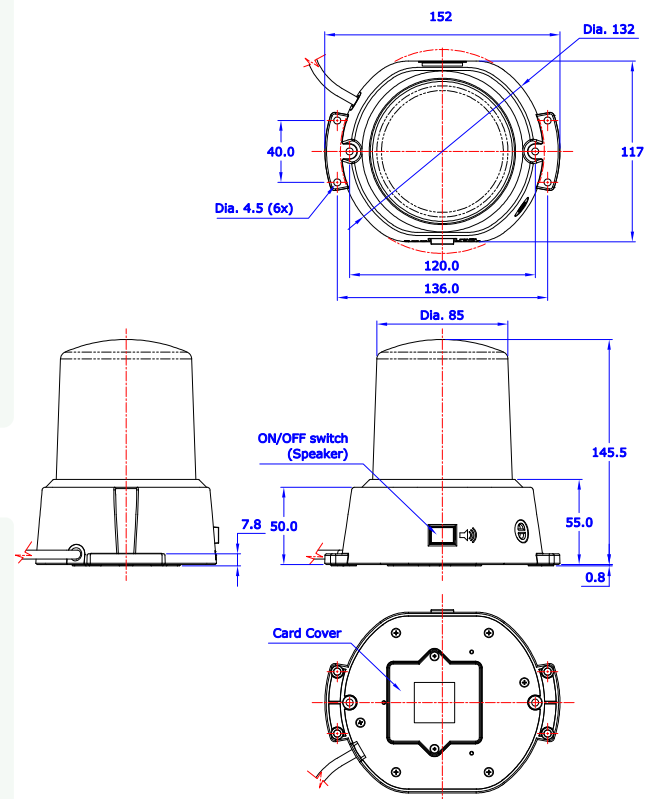
Power description

The standard battery capacity for UATG-SL90F-M is 1800mAh and optional with 4000mAh; Theoretically 4000mAh under the most power-saving condition, will last about 100 hours, which is around 4 days; 1800mAh can last for 56 hours, about 2 days. Based on the tags contacted and alarms triggered the actual duration of the device can vary.

The battery powered beacon now has a battery level indication design; This can observed via the prompt noise at the beginning of each start up. A guide to the current battery level is shown below:

- 4 short beeps indicates the current battery level is 81% ~ 100%
- 3 short beeps indicates the current battery level is 61% ~ 80%
- 2 short beeps indicates the current battery level is 41% ~ 60%
- 1 short beep indicates the current battery level is 21% ~ 40%
- 1 long beep indicates the current battery level is below 20%

Dimension



- * Allowable error of dimension: $\pm 5\%$
- * The dimensional tolerance shall be subject to the actual product quantity

