

The uBeacon UWB beacon positioning system is a system level solution based on UWB positioning technology, with a positioning accuracy of up to 10cm. NavTag, as a navigation tag, can actively output positioning information through a serial port. It can be directly installed on robots and is primarily used for robot positioning. Applicable to robot, drones, powerable targets, etc.

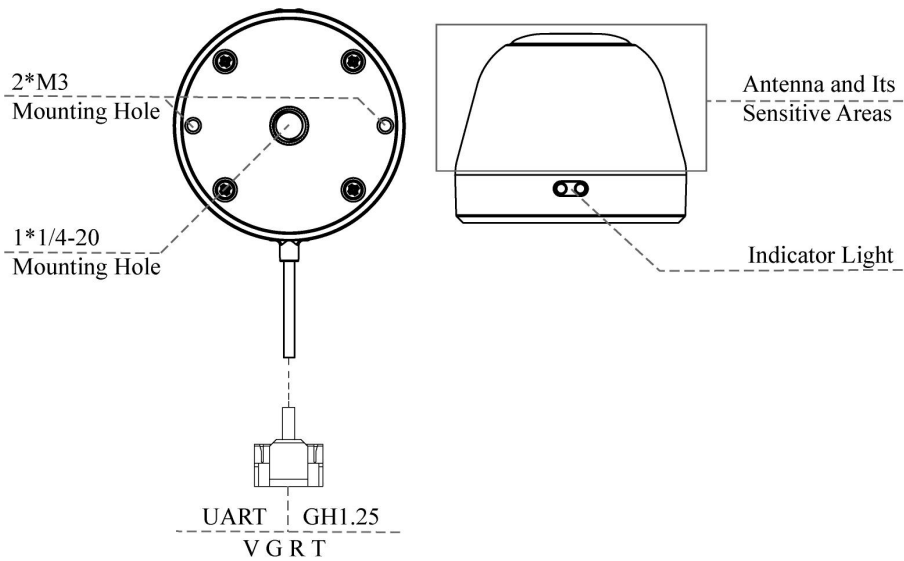
## NavTag



Parameters	Typical
Model	NavTag
Dimensions	Φ51*41.5mm
Weight	31g
Antenna	Internal Antenna
Wireless Technology	UWB
Positioning Technology	DL-TDOA Downlink Differential Positioning
Working Frequency	8.0GHz
Consumption	3~10mW <sup>[1]</sup>
Power	DC 3.7~5.2V
Interface	UART
Protection	IP65
Operating Temperature	-30°C ~ 70°C
Storage Temperature	-40°C ~ 70°C

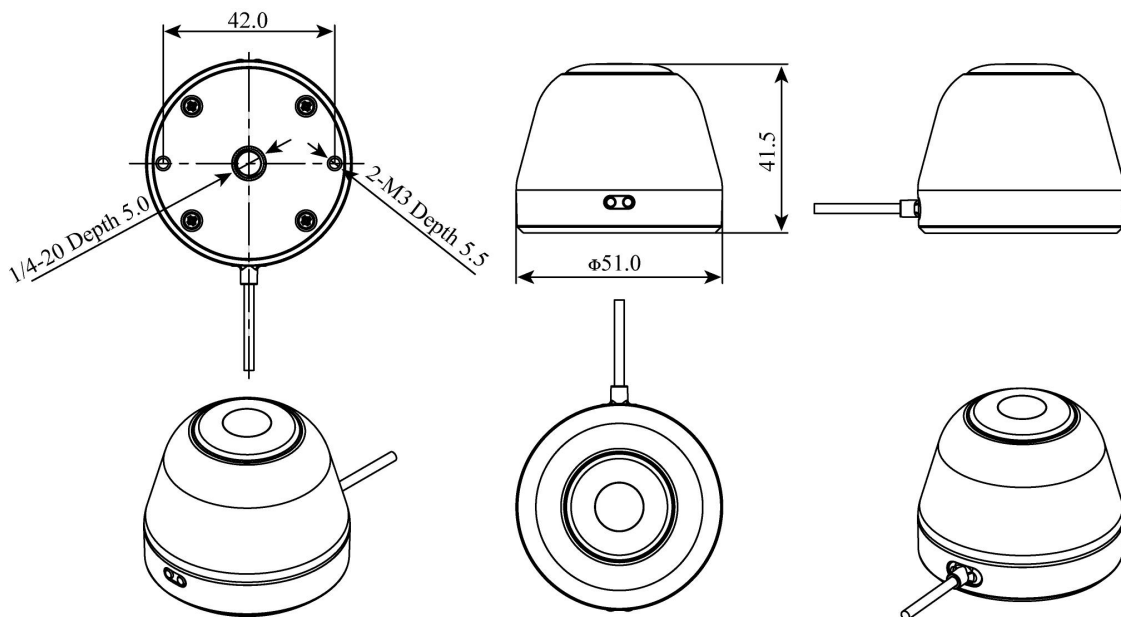
[1] 1Hz positioning frequency, room temperature environment. Actual battery life and consumption is related to the usage environment. The relationship between the quantity of simultaneously connected uBeacons corresponding to tag power consumption and battery life: 4 uBeacons - 3.0mW, typical quantity of uBeacons - 5.0mW, the maximum quantity of uBeacons - 10mW.

## Structure



## Dimensions

Unit: mm



## Contact

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