

INDUSTRIAL PRODUCT DATASHEET

BC02 Outdoor Bluetooth Location Beacon for SenseCAP Tracker

Rugged Bluetooth® LE 5.0 location beacon for precise indoor/outdoor tracking with the SenseCAP T1000 Tracker.

SKU

113991456

UPDATED

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PRICE

\$16.00(Excl. VAT)



Overview



The BC02 Outdoor Bluetooth Location Beacon for SenseCAP Tracker is a rugged Bluetooth® LE 5.0 device with IP68 waterproof, IK08 impact resistance, over 7 years battery life in default configuration, and up to 75 meters transmission range in open areas. Combined with the SenseCAP T1000 Tracker, it enables meter-level (2-3 meters) indoor/outdoor positioning for asset tracking, route planning, and reverse car search in stores, schools, offices, and parking lots.

Key Features

- **Bluetooth® LE 5.0**
- **Long battery life:** More than 7 years (In default configuration).
- **Rugged and Durable:** IP68 waterproof and IK08 impact-resistant for harsh conditions
- **Long-distance transmission:** Up to 75 meters in open areas.

BLE Indoor/Outdoor Positioning System

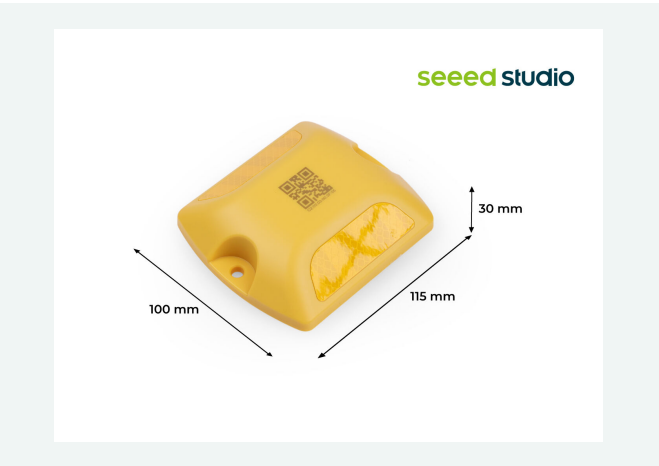
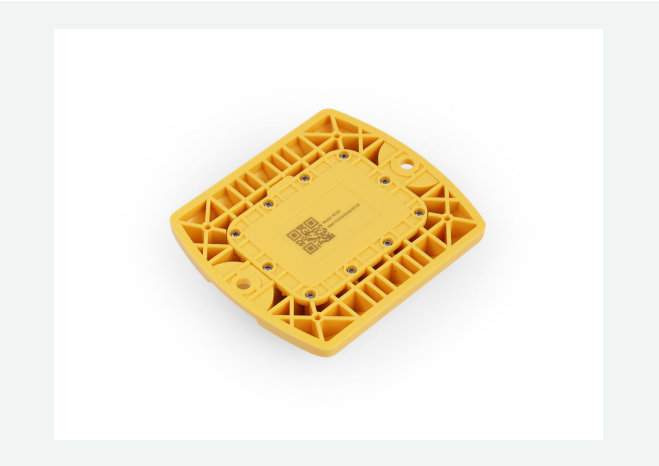
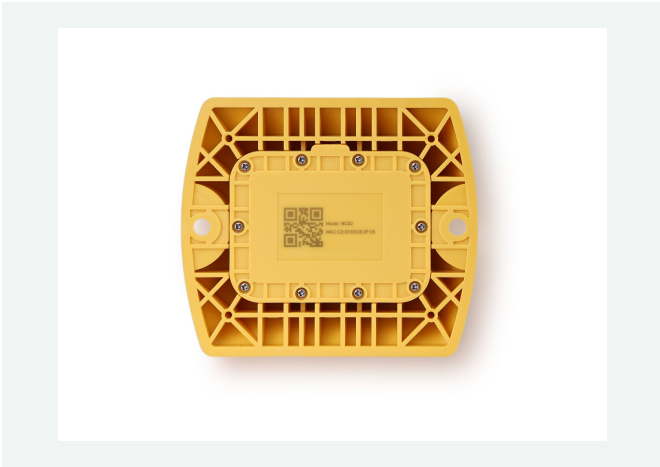
The Global Positioning System (GPS) has proven its ability to locate people outdoors. Now, the use of Bluetooth beacons reduces power consumption and makes accurate, low-power indoor/outdoor positioning possible. Combined with **SenseCAP T1000 Tracker**, it is possible to build an indoor/outdoor positioning solutions.

SenseCAP T1000 is a compact LoRaWAN® tracker that utilizes GNSS/Wi-Fi/Bluetooth for precise indoor & outdoor location tracking. It's ideal for a variety of location-based applications.

Deploy Bluetooth beacons in your target area, the tracker receives the signal sent by the beacon, and the positioning accuracy is at the meter level (2-3 meters). It can realize functions such as asset tracking, route planning, reverse car search, etc., and can be integrated into applets and APPs.

SenseCAP T1000 is a compact LoRaWAN® tracker that utilizes GNSS/Wi-Fi/Bluetooth for precise indoor & outdoor location tracking. It's ideal for a variety of location-based applications.

Product Gallery



Specification

Material	ABS+PC
Chip	nRF52 series
IP rate	IP68

IK Rate	IK08
Dimension(LWH)	115×100×29mm
Weight	169.1g(include battery)
Battery	Lithium-ion battery, 4000mAh
Battery life	More than 7 years (In default configuration).
Working temperature	40~85°C
Working Humidity	0~95%RH, no condensation
Bluetooth Version	BLE 5.0
Bluetooth Protocol	iBeacon
Broadcasting Power	-40~+4dBm
Broadcasting Interval	100ms~5s
Broadcasting Distance	Up to 75 meters in open areas

Applications

- **Stores**
- **School**
- **Offices**
- **Parking lot**

Compliance & Logistics



HSCODE	9014800090
USHSCODE	8517620090
UPC	
EUHSCODE	9405413910
COO	CHINA

FCC Requirement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

15.21

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy.

If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Resource Links

- <https://www.seeedstudio.com/Outdoor-Bluetooth-Beacon-p-6468.html>
- [BC02_Outdoor_Bluetooth_Beacon.pdf](#)

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