

BlipTrack Indoor Sensor

WiFi/BLE/Bluetooth queue, occupancy and seamless flow measurement



Scalable queue, occupancy and flow measurement all in one solution. Indispensable for monitoring and improving performance, limiting overcrowding, displaying wait times, as well as for informed facility, resource and expansion planning decisions.

Sensors detect WiFi/BLE/Bluetooth-enabled devices, like phones, headphones and smartwatches, and work without requiring interaction from the person carrying the device.

As the device passes a sensor, the unique device ID is time-stamped and encrypted. Through re-identification, as the device passes multiple sensors, the system measures travel times and movement patterns.

Advanced deep learning algorithms make both real-time and historical queue times, occupancy numbers and flow pattern insights available.

- + Sensors are easily mounted and connected via Ethernet or mobile broadband and powered via PoE or a separate power supply.
- + Live sensor monitoring allows for issues to be handled before they become problems, while a loss of network connection automatically enables data caching.
- + BlipTrack handles calibration and setup, and maintenance is subsequently not required.
- + Sensors work 24/7 and are independent of lighting.

Specifications

Item number:

BNL2i-WF
BNL2i-WF-GRAY

Exterior Description

- Size: 200 x 210 x 48 mm
- Weight: 600 g
- Color: Off White or Lava Grey

Ambient Temperatures

- Max: +55°C / Min: -10°C (Storage: Max: +60°C / Min: -10°C)

WiFi Technical Data

- 2 x WiFi radios (802.11 b/g/n)
- 2 X 5 dBi directional RHCP antennas

Bluetooth Technical Data

- 1 x Bluetooth radio class2 (Bluetooth 2.0 + EDR)
- 1 x 1.2 dBi omnidirectional antenna
- 1 x Bluetooth BLE radio class 2 (Bluetooth 4.0)

Ethernet Interface

- 10BASE-T (Rj-45) 10/100 Mbit, auto sensing
- 8-pin Rj connector
- Power over Ethernet (PoE 802.3af 48V)

Frequency Band

- 2.4 GHz

Transmission Power

- Wi-Fi: Only receiving
- Bluetooth: Class 2, max 2.5mW (4dBm)

LED Interface

- Power and server = green / Bluetooth = Blue / GPRS = Yellow

Power Interface (RECOMMENDED)

- Power Over Ethernet (PoE 802.3af 48V)
- Power consumption: < 5W

Power Interface (ALTERNATIVE)

- Nominal voltage: 5V (+/- 5%)
- Power consumption: < 4W
- PC connector: 5.5mm with 2.1mm middle pin (plus)

AC/DC Adapter (Ordered separately)

- Type: PSM11R-050
- Input voltage: 100-240VAC
- Output: 5V DC/2A

BlipTrack™