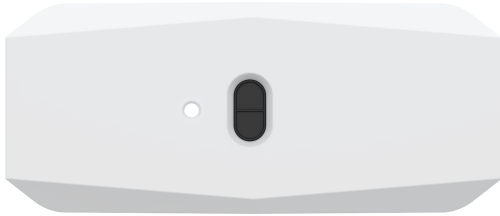


Time-of-flight Utilisation Detector

Depth Sense™



Product Code: FC-FAC24

KEY FEATURES

- Real-time Data Processing
- Water and Dust Resistance
- Track the Live Utilisation of Dustbin
- Wire-free installation
- Measures most materials except liquids and high reflective objects
- Advanced Battery Saving Design, Lower Power Consumption
- Sensor data is transmitted to FootfallCam Analytic Manager Software to compute live dashboard and Management Report
- Easy to Install, Integrate and Maintain
- 1-year Manufacturer Warranty

MEASURE THE FILL-LEVEL OF THE BIN

- Mounted on the inner lid of bins to measure the filled level inside the bins. Users can monitor the bin remotely when the bin is full or reaches the user configured threshold.

HOW DOES IT WORK?

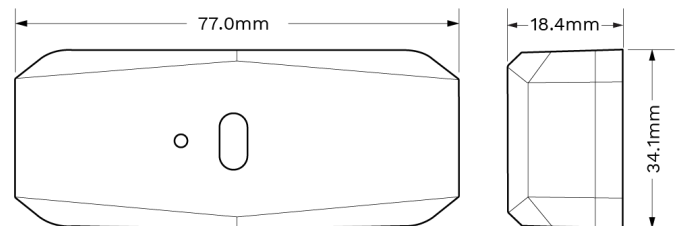
- FootfallCam Depth Sense™ uses Time-of-Flight (ToF) principle to detect the fill-level of each waste container. The sensor works by illuminating IR and observing the reflected light bounced off the obstructed objects. It is integrated with an analogue-to-digital converter (ADC) and a programmable timing generator (TG) to generate data and convert them into desirable bin-filled level data. The level of the bin filled is computed by the time difference between the IR emission from the bin sensor and the returned IR received at the sensor detector.

GENERAL SPECIFICATION

Device Dimension (mm)	77 (W) x 18.4 (D) x 34.1 (H)
Packing Dimension (mm)	120 (W) x 85 (D) x 80 (H)
Weight	Device: 0.4 kg Packing: 0.86 kg
Sensor Type	Time-of-Flight (ToF) range sensor
Detection Range	10 – 200 cm
Chipset	Nordic nRF52833
Casing Colour	White
Casing Material	ASA (Acrylonitrile Styrene Acrylate)
Origin	Made in the UK.
Operating Temperature	0 to 50 °C
Battery Life	2.84 years
Battery	2 x CR2450 (Replaceable)
Power Consumption	66uW
Transmission Type & Range (between Depth sense and receiver)	Bluetooth 5.2 Up to 30m radius (unobstructed)
Transmit Power	+8 dBm

For more information about FootfallCam Software, kindly refer to [FootfallCam Analytic Manager V9 datasheet](#)

PRODUCT DIMENSION



FRONT VIEW

SIDE VIEW