

FootfallCam 3D MINI™

Product Code: FC-F3DMI01

FootfallCam Product

People Counter



Key Features

- ▶ Anonymous counting with Time-of-Flight Technology
- ▶ Performs in low light condition and complete darkness
- ▶ Single Door Coverage
- ▶ Bi-directional Counting
- ▶ Accurate counting for groups of people walking in close proximity.
- ▶ Accurate counting for people moving at up to 3 meters per second.
- ▶ Configurable threshold to include or exclude people less than a certain height.
- ▶ Can be mounted on wall or ceiling.
- ▶ Can be mounted vertically or horizontally (sideways counting)
- ▶ FootfallCam 3D Mini™ work seamlessly with FootfallCam people Counter via RF.
- ▶ 1-year Manufacturer Warranty

FootfallCam 3D Mini™ is specially designed for anonymous people counting using Time of Flight (ToF) technology to collect anonymous depth image data. It does not depend on environment illumination to function optimally and thus able to count in low light or complete darkness conditions. The sensor can be installed on the wall or ceiling to detect any movement pass the entrance to determine the IN and Out counting. The sensor is designed for single door entrance. Each device is connected to the FootfallCam people counter receivers through wireless network via Radio Frequency (RF). The data received is then transmitted to the FootfallCam Analytic Manager software for analytic purposes.

Basic Functions

1. **Visitor Counting.** Counting ins and outs (measure store performance, data collection for analysis of store performance, measure marketing response).
2. **Anonymous Counting.** Track the number of people in the facility without infringing on occupants' privacy by collecting anonymous depth image data, non-intrusive and not capturing any personal identity.
3. **Real-time Occupancy Tracking.** Track the number of visitors in a building at any given time through a smart display with live occupancy update. Alert staff when occupancy limit is breached.

FootfallCam 3D Mini™

| DIMENSION | |
|---|--|
| Device | 94mm(W) x 61mm (D) x 45mm (H) |
| Packing | 120mm (W) x 85mm (D) x 80mm (H) |
| WEIGHT | |
| Device | 0.270 kg |
| Packing | 1.02 kg |
| SENSOR | |
| Sensor Type | Time-of-Flight (ToF) Sensor |
| Field-of-View (FoV) | 27° |
| Emitter | Class 1 940nm invisible laser |
| Light Source | Class 1 940nm VCSEL |
| Indicators | Single Blue LED |
| CASING | |
| Made by ASA Plastic | |
| IP RATING | |
| IP31 | |
| POWER | |
| Cabling | 12V DC wiring |
| THERMAL CONDUCTIVITY | |
| 235W/mK | |
| STORAGE | |
| Up to 1000 event timestamps in Flash memory | |
| IDEAL MOUNTING HEIGHT | |
| 1.9 metres – 3 metres | |
| IDEAL ENVIRONMENTAL | |
| Operating environment | Temperature 10°C to 45°C, Humidity 10% - 90% |
| Storage environment | Temperature -40°C to 80°C, Humidity 10% - 95% |
| TRACKING TECHNOLOGY | |
| Depth-sensing Time of Flight Technology. Collects anonymous depth image data. | |
| FIRMWARE FEATURES | |
| Over-the-Air (OTA) firmware upgrade | |
| ORIGIN | |
| Made in the UK. | |
| POWER UNIT SPECIFICATIONS | |
| Consumption | 200mW |
| Input Voltage | 7-12 VDC |
| OPERATIONAL | |
| Communications | 868/915 MHz ISM band 2-way wireless |
| Wireless Range | 50m Line-of-sight, 20-30m noisy office environment |
| Topology | Star Network |
| Wireless Encryption | AES-128 |

Coverage Table

| Mounting Height (m) | Coverage Area(cm) (Horizontal FOV x Vertical FOV) |
|---------------------|--|
| 1.9 | 74 x 42 |
| 2.0 | 78 x 46 |
| 2.1 | 82 x 50 |
| 2.2 | 86 x 54 |
| 2.3 | 92 x 60 |
| 2.4 | 94 x 64 |
| 2.5 | 96 x 66 |
| 2.6 | 98 x 68 |
| 2.7 | 100 x 72 |
| 2.8 | 102 x 76 |
| 2.9 | 104 x 78 |
| 3.0 | 106 x 80 |

Notes:

1. The horizontal FOV does not indicate maximum permissible door width but simply the ideal case. It is acceptable to have a tolerance of ± 10 cm as long as the shoulder is within coverage area.
2. The 3D Mini can only count one person at a time. It is advisable to mount it on a door width suitable for single person entry only.
3. If the 3D Mini is mounted on top of an entrance with swinging door, the preferable mounting position is on the opposite direction of the swing to minimize interference.
4. The 3D Mini should be mounted no more than 15cm from the top of the door opening. If this is not possible, the 3D Mini should be mounted on the ceiling instead of the wall. The distance from the wall should be no more than 30 cm.

