

Cost Effective Privacy People Counter

3D Mini™



Product Code: FC-F3DMI03

COST EFFECTIVE PEOPLE COUNTING SYSTEM

- Anonymous counting with Time-of-Flight Technology
- Specifically designed for office door entrance
- Bi-directional Counting
- Accurate Counting groups of people walking in close proximity
- Accurate counting for people moving at up to 3 metres
- Configurable threshold to include or exclude people less than a certain height.

VISITOR COUNTING

- Counting ins and outs (measure room usage, data collection for analysis of facility management, such as washroom entrance, meeting room and corridor).

ANONYMOUS COUNTING

- Track the number of people in the facility without infringing on occupants' privacy by collecting anonymous depth image data, which is non-intrusive and does not capture any personal identity.

OPTIMISED FOR ALL ENVIRONMENTS

- Suitable for low ceilings, count people at heights lower than the regular counter, as low as 1.9m
- Performs in low light conditions and complete darkness
- Can be mounted on a wall or ceiling

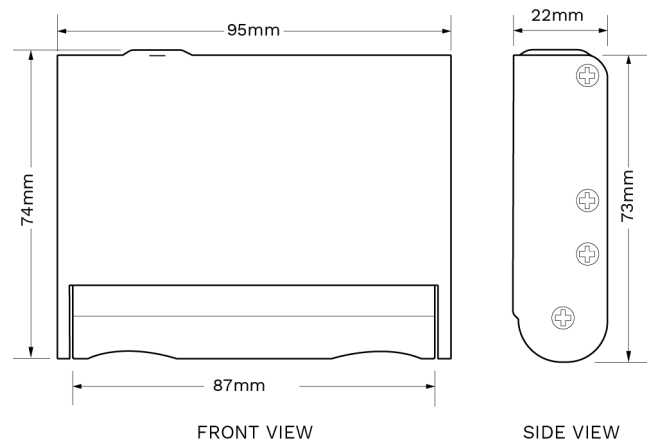
EASY TO INSTALL AND SET UP

- Daisy chain with RS485 Connectivity and DC power (5 cores)
- More Compact Form Factor
- 1-year Manufacturer Warranty
- GPIO Functionality. Integrate occupancy counting with all entrances and exits.

TECHNICAL DATA

| | |
|------------------------|--|
| Device Dimension (mm) | 95 (W) x 22 (D) x 74 (H) |
| Packing Dimension (mm) | 120 (W) x 85 (D) x 80 (H) |
| Weight | Device: 0.360 kg Packing: 1.68 kg |
| Sensor | Type: 2x Time-of-Flight (ToF) Sensor Field-of-View: 86°, 45° Sensor Tilt: 20° Sensor Tilt: 10cm Emitter: Class 1 940nm invisible laser (VCSEL) Light Source: Class 1 940nm VCSEL Indicators: Single bright LED |
| IP Rating | IP30 |
| Casing | Made by ASA Plastic |
| Storage | Up to 1000 event timestamps in Flash memory |
| Ideal Mounting Height | 1.9 metres – 2.4 metres |
| Operating Environment | Temperature 10°C to 45°C, Humidity 10% to 90% |
| Storage Environment | Temperature -40°C to 80°C, Humidity 10% to 95% |
| Tracking Technology | Depth-sensing Time of Flight Technology. Collects anonymous depth image data. |
| DC Power | 7~12 VDC |
| Cabling | 14~26 AWG |
| Origin | Made in the UK |

PRODUCT DIMENSION



COVERAGE TABLE

| Ceiling Height (m) | Coverage Area (m) (Horizontal FOV x Vertical FOV) |
|--------------------|--|
| 1.9 | 0.80 x 0.33 |
| 2.0 | 1.00 x 0.41 |
| 2.1 | 1.20 x 0.50 |
| 2.2 | 1.40 x 0.58 |
| 2.3 | 1.60 x 0.66 |
| 2.4 | 1.80 x 0.75 |

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 $\pm 10\text{cm}$ as long as the shoulder is within the coverage area.
2. If the 3D Mini is mounted on top of an entrance with a swinging door, the preferable mounting position is in the opposite direction of the swing to minimise interference.
3. 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.
4. Coverage area depends on the environment and sensor configuration as well as target distance, reflectance, ambient light level, sensor resolution, sharpener, ranging mode, and integration time
5. The coverage area has been calculated based on the sensor measurement with a white 88 % reflectance perpendicular target in full FoV, located at 1 m from the sensor; without ambient light (dark conditions), with an 8x8 resolution and 14 % sharpener (default value), in Continuous mode at 15 Hz.