SensMax TAC-B 3D-W mmWave radar People counting sensor

SensMax TAC-B 3D-W sensor Realtime Bi-directional

SensMax TAC-B 3D-W sensor using the mmWave radar technology for people counting both indoor and outdoor people counting. The sensor can detect very fine motions in any light condition, even through rain, fog, or smoke. Sidewall mounting is fast and easy.

SensMax TAC-B 3D-W sensor supports up to 5 user-defined counting lines and zones. The sensor detects IN/OUT movement direction, the number of visitors inside zone, as well as occupancy time.

The sensor has advanced tuning settings for the best counting accuracy according to counting area size, object movement speed, object tracking time. It fits small and big premises, elevators, meeting rooms, toilets, as well as for narrow and wide entrances. Advanced people counting technology allows using the people counting radar for counting people at bus stops, street counting of pedestrians and cyclists, even counting of skiers at ski resorts.

The sensor delivers people counting data to online reporting portal using WiFi internet connection in real-time mode. Telegram messenger API support allows getting notifications to a mobile phone in real-time.

The sensor supports IoT MQTT protocol, so it is possible to send people counting data directly to any 3rd party reporting system without connecting the sensor to the SensMax cloud services.

Application	People counting, Premises occupancy monitoring, Perimeter security motion detection, Queue management, Social distance monitoring, Outdoor people counting
People counting technology	Advanced mmWave radar technology 60Ghz
People counting options	Up to 5 user-defined counting lines and zones
Occupancy monitoring	Per sensor zone, per group of sensors
Installation options	Sidewall mounting at height 2-2.5m
Case	ABS plastic or IP65 discreet outdoor case
Counting accuracy	Up to 99% detection of one person per 1 m2, and >93% for crowded areas with 3 persons per 1 m2
Detecting area	10m range, 120° viewing angle (100m^2)
GDPR/Privacy law	Anonymous people detection, 100% compliant, no filming
Notifications & Reporting	Telegram messenger API support, MQTT protocol support, Email notifications, and online reporting if the sensor connected to my.sensmax.eu cloud reporting system
Internet connection	WiFi 2.4 GHz/WPA2-PSK/WPA2-ENTERPRISE
Storage & Backup	Micro SD card 16GB
Power	AC 220V to DC 12V/0.5A
Dimensions	80x80x35 mm

Features:
Multiple counting lines/zones
Outdoor/indoor usage
Easy sidewall instllation
No-filming, GDPR compliant
MQTT support
Real-time data delivery over WiFi