SensMax TAC-B
mmWave People Counting Sensor

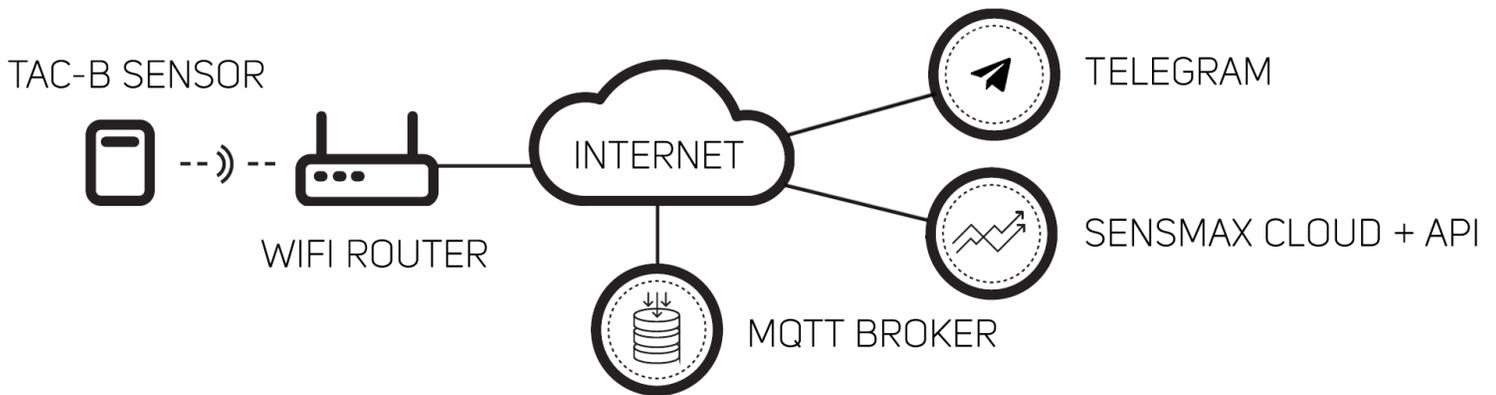|								
RETAIL STORE	SHOPPING MALL	QUEUE	SMART BUILDING	PARK	OUTDOOR EVENT	WALKING TRAIL	MUSEUM	AIRPORT

SensMax real-time people counting system for retail stores, shopping malls, airports, smart buildings, meeting rooms, public premises, libraries, museums, smart cities, outdoor events, parks, and walking trails.

SensMax TAC-B People Counting Sensor uses the mmWave radar technology and can be used for both indoor and outdoor people counting. The sensor can detect very fine motions in any light conditions, even through rain, fog, or smoke if it is installed outdoor. The sensor can detect movement direction IN our OUT across multiple user-defined counting lines, as well as the dwelling time of multiple user-defined zones. The sensor counting people in up to 6m range at 120° viewing angle ($35m^2$) in high resolution and up to 14m range 120° viewing angle ($200m^2$) in lower resolution. Sidewall mounting is fast and easy. It has more options for flexible installation for indoor and outdoor people counting projects.

SensMax TAC-B People Counting Sensor delivers people counting data to online reporting tools in real-time mode using WiFi internet connection. There is an option to connect the sensor to SensMax could reporting system and check ready-to-use reports, as well as build online real-time reports – limit of visitors, occupation of premises, queue detection per zone. Telegram messenger API support allows getting notifications in real-time. The sensor supports IoT MQTT protocol, so it is possible to import 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 77Ghz
People counting options	User-defined multiple 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	HI-RES 6m range 120° viewing angle ($35m^2$), LO-RES 14m range 120° viewing angle ($200m^2$)
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
Data transfer	WiFi 2.4 GHz/WPA2-PSK via WiFi Router or WiFi-GSM modem
Storage & Backup	Micro SD card 16GB
Power	AC 220V to DC 12V/0.5A
Dimensions	80x80x35 mm