SensMax TAC-B 4G Sensor

SensMax TAC-B 4G people counting radar sensors designed for pedestrians and cyclists counting in a smart city environment. The SensMax TAC-B 4G sensor is delivering people counting statistics to a cloud reporting portal using a 4G modem that is built in the same case as the sensor. Installation on a sidewall or a pillar is quick and easy.

Counting people on the streets is very challenging because of constant light and weather environmental changes. The SensMax TAC-B 4G sensor allows the detection of pedestrians in any environmental conditions. It will work in bright sun, shady evening, even without light in the nighttime.
Advanced mmWave radar technology allows counting people in any weather conditions such as fog, rain, or snow. The robust and waterproof case doesn't require any cleaning service.

The people counting radar can work in online mode and deliver data to the SensMax cloud reporting portal in real-time mode using a mobile network internet connection. As well as the sensor can work in offline mode and store all data in internal memory. The data reading can be done by an authorized mobile phone by direct connection to the sensor using a built-in access point.

The sensor is 100% GDPR/Privacy law compliant as it is using no-filming radar technology.

Description	All-in-one kit from radar sensor and 4G modem in one outdoor case
People counting technology	SensMax TAC-B 3D-WP outdoor radar sensor working in any light or weather conditions
Communication protocol	IEEE802.11N/G/B
Data transfer speed	2T2R:300Mbps
4G Module	LTE-FDD: B1/B3/B5/B8 LTE-TDD: B34/B38/B39/B40/B41 WCDMA: B1/B8 GSM:900/1800
Working temperature	-20°c to 75°c
Wireless Security	Wireless safety function switch 64/128/152 bit WEP encryption WPA-PSK/WPA2-PSK, WPA/WPA2 security
Movement tracking	Bi-Directional
People counting options	Up to 5 user-defined counting lines and zones
Occupancy monitoring	Per sensor zone, per group of sensors
Installation options	Sidewall or pillar mounting at height 2.5m
Case	Polycarbonate plastic IP65
Detecting area	10m range, 120° viewing angle (100m²)
GDPR/Privacy law	Anonymous people detection, 100% compliant, no filming
Notifications & Reporting	SensMax cloud reporting with API data export, MQTT protocol support, IFTTT and Shelly, webhooks support, Telegram/Email notifications

Storage & Backup	Micro SD card 16GB
Power	12VDC/0.5A
Dimensions	105x105x55 mm

Features:
- Built-in 4G modem and real-time data delivery
- Multiple counting lines/zones
- Easy sidewall/pillar installation
- GDPR compliant
- MQTT support
- IFTTT and Shelly webhooks support
- Working in any weather and light conditions