SensMax®

Sense your business



PRODUCT **CATALOGUE**

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SENSMAX TAC-B MMWAVE RADAR SENSORS

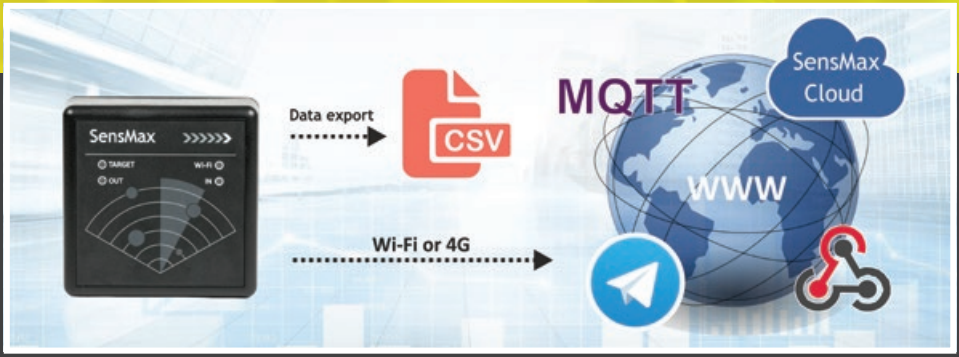
The SensMax TAC-B mmWave radar sensor is an advanced device designed specifically for people counting and tracking in indoor and outdoor environments.

At the heart of the SensMax TAC-B is mmWave radar sensor, which is capable of detecting human movement and presence with exceptional precision. The sensor emits short bursts of electromagnetic radiation in the 60GHz frequency range, which are reflected off of objects in its detection range. By analyzing the patterns of these reflections, the sensor is able to detect the presence of human beings, as well as track their direction and speed of movement.

The SensMax sensor cover area of up to 100 square meters and does not lose its counting accuracy despite bad weather conditions. It is unaffected by light, rain, snow, etc.

The SensMax TAC-B sensor is fully integrated into the powerful SensMax software, which provides a large number of informative graphical reports. In same time, sensor is designed for easy integration with a wide range of systems and platforms. It uses the open MQTT protocol, which allows it to communicate seamlessly with other devices and systems.

In addition the SensMax TAC-B also offers a unique feature that allows it to send notifications directly to Telegram messenger. This means that you can receive notifications and updates on people traffic, occupancy, and flow directly on your mobile device, no matter where you are.







SensMax TAC-B 3D-W Sensor



Application	People counting, Premises occupancy monitoring,
People counting technology	Advanced mmWave radar technology 60 Ghz working in any light environment or floor color
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 mounting at height 2-2.5 m
Case	ABS plastic
Detecting area	10 m range, 120° viewing angle (100 m^2)
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
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	80×80×35 mm

SensMax TAC-B 3D-W people counting sensor uses the mmWave radar technology for indoor people counting projects. The sensor can detect even subtle motions in any light conditions, even in complete darkness.

The sensor supports up to 5 user-defined counting lines and zones. The sensor detects IN/OUT movement direction, the number of visitors inside the zone, as well as occupancy time. It counts people in up to 10 m range at 120° viewing angle in up to 100m^2 area. Sidewall mounting is quick and easy.

The sensor delivers people counting data to SensMax online reporting portal using WiFi internet connection in real-time. Ready to use reports available – visiting statistics, occupation of premises, queue detection per zone and others. It is possible to export statistics to any third-party reporting system via API.

SensMax TAC-B 3D-W sensor supports the MQTT protocol, so it is possible to import people counting data directly to any third-party application without connecting the sensor to the SensMax cloud services.

IFTTT and Shelly webhooks support allows to send commands to electrical equipment for automated building management systems.

The SensMax TAC-B 3D-W sensor is GDPR/Privacy law compliant and counts people without filming them.

Features:

- Multiple counting lines/zones
- Easy sidewall installation
- GDPR compliant
- MQTT support
- IFTTT and Shelly webhooks support
- Real-time data delivery over WiFi





SensMax TAC-B 3D-WP Sensor



Application	Outdoor people counting, City street people counting, Pedestrians counting, Bicycles counting, People counting in parks
People counting technology	Advanced mmWave radar technology 60 Ghz working in any light and weather conditions
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 mounting at height 2.5 m
Case	Polycarbonate plastic IP65
Detecting area	10 m range, 120° viewing angle (100 m^2)
GDPR/Privacy	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
Internet connection	WiFi 2.4 GHz/WPA2-PSK/WPA2-ENTERPRISE
Storage & Backup	Micro SD card 16GB
Power	12VDC/0.5A
Dimensions	80×80×35 mm

SensMax TAC-B 3D-WP outdoor people counting sensor is designed for pedestrians and cyclists counting on city streets, walking trails, in parks, and in any other outdoor environment.

The sensor has a waterproof/dustproof case and can work in any light conditions such as bright sun, evening shadows, even during night time without any light, as well as in any weather conditions - fog, rain, smoke, or snow.

SensMax TAC-B 3D-WP outdoor people counter controls up to 10m wide pathways and up to 100m2 area where it is possible to define up to 5 counting lines or zones.

The sensor is counting pedestrians and cyclists in real-time. It is 100% compliant with GDPR/Privacy law requirements as working without filming people. Sidewall or pillar mounting is quick and easy.

The sensor delivers people counting statistics to an online reporting portal in real-time using WiFi connection. The cloud reporting portal supports API data export. Additionally, it is possible to read the data directly from the sensor using the MQTT protocol for direct data export from the sensor to any third-party application.

IFTTT and Shelly webhooks support allows to send data to third-party applications or manage of any electrical equipment directly.

Features:

- Multiple counting lines/zones
- Easy sidewall/pillar installation
- GDPR compliant
- MQTT support
- IFTTT and Shelly webhooks support
- Real-time data delivery over WiFi
- Working in any weather and light conditions





SensMax TAC-B 4G Sensor



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 2.5 m
Case	Polycarbonate plastic IP65
Detecting area	10 m range, 120° viewing angle (100 m^2)
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

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.

Storage & Backup	Micro SD card 16GB
Power	12VDC/0.5A
Dimensions	105×105×55 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





SensMax SPS20 Solar Power System



Supported sensors	SensMax TAC-B 3D-W SensMax TAC-B 3D-WP SensMax TAC-B 4G
Output voltage	DC 10...14.6 V
Output connector	DC5521 angle 90°
Solar panel	Solar Cell 156Mono Open Circuit Voltage 21.24 V Power 60W Size 680×510×35 mm Front Glass Thickness 3.2 mm Surface Max Load Capacity 60 m/s (5kg/sq.m) Allowable Hail Load 23 m/s,7.53 g Cell Efficiency 21.60%
Battery	Battery Type LiFePO4 Nominal capacity 20 Ah Electricity 256 Wh Nominal voltage 12.8 V Cycle Life >2000 times
Temperature range	–20°C to +65°C
Waterproof	IP67
Dimensions	Solar panel size 680×510×35 mm Battery size 205×100×40 mm

The SensMax solar power system SPS20 is engineered to provide a reliable and sustainable power source for SensMax TAC-B sensors and other compatible SensMax devices. It harnesses solar energy to generate electricity, ensuring continuous operation of the connected equipment, even in remote or off-grid locations.

The SensMax SPS20 is an all-in-one solution that integrates all necessary components into a single unit. This includes the solar panel, charge controller, and battery. The compact design and integration of these components into a unified system make it convenient and space-efficient.

The system utilizes a high-quality LiFePO4 battery that supports over 2000 cycles, providing long-lasting and reliable performance. The battery case features a built-in heater that maintains the internal temperature at 0...+4°C, allowing charging to continue down to –20°C.

The solar panel is mounted on a durable mounting system, allowing the system to be used in various weather conditions.

The system come pre-wired and ready to connect, minimizing the need for technical expertise.

Features:

- Charging and discharging operations within a range of –20°C to +65°C
- LiFePO4 battery with over 2000 cycles
- Durable and robust design suitable for outdoor use

SENSMAX REAL-TIME OCCUPANCY CONTROL SYSTEM

The SensMax real-time occupancy control system is designed to provide users with a way to monitor and manage occupancy levels in real-time. The system can operate in offline mode, which means that it can function without an internet connection.

The people counting sensor sends data to a data collector, which in turn sends a report to a SensMax wireless LED screen. This allows users to quickly and easily monitor occupancy levels and take action if necessary.

If the user has an internet connection, they can access a wide range of informative reports through an online reporting platform. These reports can be displayed on any device with an internet browser, such as a smart TV or tablet PC. This provides users with even more information and insights into occupancy levels and patterns, which can be used to inform decision-making and improve operational efficiency.

Overall, the SensMax real-time occupancy control system is a flexible and customizable solution that can be tailored to meet the specific needs of different organizations.





SensMax D3 TS Sensor Bi-directional, Real-time



Bidirectional people counter SensMax D3 TS designed for projects where it is needed to count people **in real-time** mode. It is a wireless device, so installation takes some minutes only.

You can see statistical data in real-time occupancy reports as well as in statistical report per 5-minutes time spans.

There are options on how to export statistics in a raw data format from SensWeb cloud reporting portal using API.

SensMax D3 TS is a battery powered wireless people counter. Battery life is up to 1 year. Data delivery to a server using LAN/Internet or WiFi/Internet data gateways.

Application	People counting in public premises, retail stores, shopping malls, Occupancy racking in premises
Operation principle	Infrared beam crossing
Movement direction tracking	Bi-Directional
Internal memory	2000 records
Connectivity range	SensMax D3 LR TS up to 150 m SensMax D3 SLR TS up to 800 m
Radio module frequency	SensMax D3 LR TS 868 MHz SensMax D3 SLR TS 868 MHz
Enclosure	Black or White ABS Plastic
Power supply	AA batteries
Battery lifetime	Up to 1 year
Dimensions	67×67×25 mm
Counting accuracy	95% 2m, >2m — 1%/m
Passage width	Optimal 1 m - 5 m, maximum — 9 m
Infrared ray angle	Three beams, 6°
Fixture	Double-sided adhesive tape Plastic mounting bracket
Tamper protection	Sound alarm and report in software

Features:

- Wireless sensor
- Movement direction detection
- Real-time data delivery

Modifications:

- SensMax D3 LR TS
- SensMax D3 SLR TS

Data delivery to the server using:

- Real-time data gateway SensMax SMX TS



SensMax Loyalty Button L3 TS Real-time



SensMax Loyalty Button L3 TS designed for customer surveys at any business-related locations. This sensor works in real-time mode.

Customers can choose three emotion icons in their answers — happy, sad, and disappointed. The wireless customer survey button mounted on a plastic stand with a printed question.

The device delivers customer replies to a server in real-time using LAN/Internet or WiFi Internet gateway.

You can see statistical data in real-time or per 5-minutes time spans in analytical reports.

Wireless customer survey button works from AA batteries for up to 2 years.It has a powerful radio module with an extended communication range and can connect the data gateway in a range of up to 800 m.

Application	Airport, Smart building, Shopping mall, Retail store, Bank office, Post office, Washroom
Operation principle	Pressing one of three feedback buttons with smiley faces
Connectivity range	SensMax Loyalty Button L3 LR TS 150 m SensMax Loyalty Button L3 SLR TS 800 m
Radio module frequency	SensMax Loyalty Button L3 LR 868 MHz SensMax Loyalty Button L3 SLR 868 MHz
Internal memory	1000 records
Enclosure	White ABS Plastic
Power supply	AA batteries
Battery lifetime	Up to 2 years
Dimensions	67×67×25 mm
Spam filter	Intelligent digital filter for spam pressings filtration
Fixture	Double-sided adhesive tape or a plastic stand

Features:

- Wireless sensor
- Battery life up to 2 years
- Spam pressings filter
- Extended connectivity range

Data delivery to the server using:

- Real-time data gateway SensMax SMX TS



SensMax SMX TS Data Collector Real-time



SensMax SMX Data Collectors are advanced devices designed to gather data from SensMax sensors via radio channel. These data collectors serve as the central hub in a wireless sensor network, aggregating data from multiple sensors across various locations.

Once the data is collected, the SensMax SMX devices transmit the information to a centralized server using either Wi-Fi or Ethernet, offering flexible connectivity options to suit different environments and infrastructures.

With support for the MQTT protocol, these data collectors provide reliable real-time data transfer, making them ideal for IoT applications, smart buildings, and remote monitoring solutions.

Sensors supported	SensMax D3 LR TS SensMax D3 SLR TS SensMax Loyalty Button L3 LR TS SensMax Loyalty Button L3 SLR TS
Connectivity range	SensMax TCPIP LR TS up to 150 m SensMax TCPIP SLR TS up to 800 m
Qty of serviced devices	SensMax SMX LR TS 20 pcs sensors SensMax SMX SLR TS 20 pcs sensors
Internal memory	Up to 40 days in 5-minute steps, depending on the number of connected sensors
Configuration	Built-in web page
Radio frequency	SensMax SMX LR TS 868 MHz SensMax SMX SLR TS 868 MHz
Power supply	AC adapter 5V or USB
Dimensions	66×66×28 mm
Enclosure	ABS Plastic, black

Features:

- Wireless data collection
- Connect through Wi-Fi or Ethernet
- Supports MQTT
- Real-time data delivery



SensMax LED-391 LED Screen Real-time



SensMax LED-391 screen designed for displaying actual information from SensMax people counting systems. The screen shows actual readings from people counters in real-time.

It can connect the data gateway withina range of up to 150-250 and up to 1000 meters depending on device model. The LED screen is designed both for indoor and outdoor usage, so it is possible to fix it on a wall or standing mount nearby entrance.

There is an option to show information from one people counter sensor, as well as combined data from a group of people counting sensors. It gives the opportunity to use the LED screen for occupancy monitoring for single rooms/ premises or complex buildings with many entrances.

According to projects needs, you can set up a number of allowed people inside premises and display STOP/GO notifications in red or green color according to an actual number of visitors inside.

Size	500×500 mm
Sensors supported	SensMax Pro D3 LR TS SensMax Pro D3 SLR TS
Gateways supported	SensMax WiFi LR TS SensMax WiFi SLR TS
Connectivity range	SensMax LED-391 LR TS up to 150-200 m SensMax LED-391 SLR TS up to 1000 m
Radio frequency	868 MHz
Power supply	230 VAC
Power consumption	50 W
Brightness of white balance	≥65000 cd/m²
Pixel resolution	128×128 px

Features:

- Real-time data reading
- Communication range up to 1000 m
- Wireless connection to gateway

Modifications:

- SensMax LED-391 LR TS
- SensMax LED-391 SLR TS

SENSMAX INFRA RED PEOPLE COUNTING SYSTEM

The system use battery powered wireless sensors that are installed at the entrance or exit points of the monitored area.

SensMax People Counting system offers a graphical reporting software that provides an easy-to-use interface for visualizing and analyzing the data collected by the system. The software allows businesses to view real-time and historical data on customer traffic, including peak hours, dwell time, and conversion rates.

The system can be combined with SensMax Loyalty Buttons that are designed to receive feedback from customers on the quality of customer service. These feedback buttons allow customers to provide instant feedback on their experience with a business, providing valuable insights into customer satisfaction and helping businesses to identify areas for improvement.

By combining people counting data with customer feedback data, the SensMax system provides a comprehensive view of customer behavior and satisfaction. This allows businesses to optimize operations, improve customer service, and increase revenue, all while providing a better experience for their customers.





SensMax S1 Sensor Uni-directional



SensMax S1 sensor creates invisible infrared ray and every visitor crossing counts. This sensor has uni-directional people counting algorithm.

The sensor is a wireless device that works from standard batteries. The installation of the people counting sensors is simple, and it takes some minutes only.

People counters sending data to the online reporting cloud automatically via a LAN gateway every 20 minutes.

You can see visitors statistics in various ready-to-use reports per hour, day, week, month, and year.

Application	Retail store, Shopping mall, Office building, Washroom, Library, Museum
Operation principle	Infrared beam crossing
Movement tracking	Uni-directional
Internal memory	25 days of hourly data
Connectivity range	SensMax S1 up to 50 m SensMax S1 LR up to 150 m SensMax S1 SLR up to 800 m
Radio module frequency	SensMax S1 2.4 GHz SensMax S1 LR 868 MHz SensMax S1 SLR 868 MHz
Enclosure	Black or White ABS Plastic
Power supply	AA batteries
Battery lifetime	Up to 2 years
Dimensions	67×67×25 mm
Counting accuracy	95% 2 m, >2 m — 1%/m
Passage width	Optimal 1 m - 5 m, maximum — 9 m
Infrared ray angle	Three beams, 6°
Fixture	Double-sided adhesive tape Plastic mounting bracket
Tamper protection	Sound alarm and report in software

Features:

- Wireless sensor
- Automated statistics delivery
- Online reporting

Modifications:

- SensMax S1
- SensMax S1 LR
- SensMax S1 SLR

Data delivery to the server using:

- SensMax SMX gateway for LR/SLR/PRO models



SensMax D3 Sensor Bi-directional



SensMax D3 sensor creates an invisible infrared barrier from three rays and counting any visitor who crosses it.

The sensor can detect visitors' movement direction IN or OUT. It is a wireless sensor that works from standard batteries.

People counter delivers statistical data to the online reporting cloud automatically via a LAN or WiFi gateway every 20 minutes.

Visiting statistics displayed in various ready-to-use reports per hour, day, week, month, and year. There is an option to check statistics per every IN and OUT movement direction separately.

Application	Retail store, Shopping mall, Office building, Washroom, Library, Museum
Operation principle	Infrared beam crossing
Movement tracking	Bi-Directional
Internal memory	25 days of hourly data
Connectivity range	Per sensor zone, per group of sensors
Radio module frequency	SensMax D3 2.4 GHz SensMax D3 LR 868 MHz SensMax D3 SLR 868 MHz
Enclosure	Black or White ABS Plastic
Power supply	AA batteries
Battery lifetime	Up to 1 year
Dimensions	67×67×25 mm
Counting accuracy	95% 2 m, >2 m — 1%/m
Passage width	Optimal 1 m - 5 m, maximum — 9 m
Infrared ray angle	Three beams, 6°
Fixture	Double-sided adhesive tape Plastic mounting bracket
Tamper protection	Sound alarm and report in software

Features:

- Wireless sensor
- Automated statistics delivery
- Online reporting

Modifications:

- SensMax D3
- SensMax D3 LR
- SensMax D3 SLR

Data delivery to the server using:

- SensMax SMX gateway for LR/SLR/PRO models



SensMax Loyalty Button L3



SensMax Loyalty button is a wireless battery-powered device for customer satisfaction research. This sensor is part of people counting system and allows to add customer feedback to people counting statistics.

It has three emotion icons on it — happy, sad, and disappointed. Wireless customer survey button has a plastic question holder-stand where you can place a printed question for your customers.

The survey results delivered to a central database via a LAN/Internet or WiFi Internet gateway every 20 minutes.

Wireless customer survey button has internal memory that is enough to store a backup of 25 days of statistics. The loyalty button works from standard AA batteries for up to 2 years.

Application	Retail store, Bank office, Post office, Washroom, Airport, Smart building, Shopping mall
Operation principle	Pressing one of three feedback buttons with smiley faces
Movement tracking	Bi-Directional
Connectivity range	SensMax Loyalty Button L3 50 m SensMax Loyalty Button L3 LR 150 m SensMax Loyalty Button L3 SLR 800 m
Radio module frequency	SensMax Loyalty Button L3 2.4 GHz SensMax Loyalty Button L3 LR 868 MHz SensMax Loyalty Button L3 SLR 868 MHz
Internal memory	25 days
Enclosure	Black or White ABS Plastic
Power supply	AA batteries
Battery lifetime	Up to 2 years
Dimensions	67×67×25 mm
Spam filter	Intelligent digital filter for spam pressings filtration
Fixture	Double-sided adhesive tape Plastic mounting bracket

Features:

- Wireless sensor
- Battery life up to 2 years
- Spam pressings filter

Modifications:

- SensMax Loyalty Button L3
- SensMax Loyalty Button L3 LR
- SensMax Loyalty Button L3 SLR

Data delivery to the server using:

- SensMax SMX gateway for LR/SLR/PRO models



SensMax SMX Data Collector



SensMax SMX Data Collectors are advanced devices designed to gather data from SensMax sensors via radio channel. These data collectors serve as the central hub in a wireless sensor network, aggregating data from multiple sensors across various locations.

Once the data is collected, the SensMax SMX devices transmit the information to a centralized server using either Wi-Fi or Ethernet, offering flexible connectivity options to suit different environments and infrastructures.

With support for the MQTT protocol, these data collectors provide reliable real-time data transfer, making them ideal for IoT applications, smart buildings, and remote monitoring solutions.

Sensors supported	SensMax S1 SensMax S1 LR SensMax S1 SLR SensMax D3 SensMax D3 LR SensMax D3 SLR SensMax Loyalty Button L3 SensMax Loyalty Button L3 LR SensMax Loyalty Button L3 SLR
Connectivity range	SensMax SMX PRO up to 50 m SensMax SMX LR up to 150 m SensMax SMX SLR up to 800 m
Qty of serviced devices	SensMax SMX PRO 5 pcs sensors SensMax SMX LR 30 pcs sensors SensMax SMX SLR 30 pcs sensors
Internal memory	25 days in 1-hour steps for each connected sensor
Configuration	Built-in web page
Radio frequency	SensMax SMX PRO 2.4GHz SensMax SMX LR TS 868MHz SensMax SMX SLR TS 868MHz
Power supply	AC adapter 5V or USB
Dimensions	66×66×28 mm
Enclosure	ABS Plastic, black

Features:

- Wireless data collection
- Connect through Wi-Fi or Ethernet
- Supports MQTT

SENSMAX OUTDOOR PEOPLE COUNTING SYSTEM

The SensMax outdoor pedestrian counting system is a state-of-the-art solution for tracking pedestrian traffic in outdoor environments.

With its offline operation and battery-powered sensors, the system is easy to install and highly flexible.

The system accurately counts foot traffic. The system also includes powerful software for data analytics.

Designed for use in parks, hiking trails, and other outdoor areas, the system is reliable and precise, making it an essential tool.

The long battery life and user-friendly design make the system ideal for use in a wide range of outdoor applications.





SensMax SE Sensor Uni-directional



SensMax SE people counting sensor creates an infrared barrier and counts visitors passing a counting line.

It is a wireless device that works from standard AA batteries for up to 2 years.

There is an option to place the sensor in outdoor water and dust protected ABS plastic housings with IP68 level protection.

SensMax SE is a standalone sensor and there is no need to connect it to electricity or IT infrastructure.

Visiting statistics stored in the internal memory of the sensor, which is enough to keep hourly attendance statistics over the past 250 days.

You need to visit the sensor time from time to read the data from it using SensMax SE/DE manual data collector and export statistics to a local PC.

Application	Parks, Walking trails, Outdoor people counting for non-electricity areas
Operation principle	Infrared beam crossing
Movement tracking	Uni-directional
Internal memory	250 days of hourly data
Enclosure	ABS Plastic, black
Power supply	AA batteries
Battery lifetime	Up to 2 years
Dimensions	67×67×25 mm
Counting accuracy	95% 2 m, >2 m — 1%/m
Passage width	Optimal 1 m - 5 m, maximum — 10 m
Infrared ray angle	One beam, 6°
Fixture	Outdoor housing IP68

Features:

- Wireless battery powered sensor
- Extended internal memory
- Water/dust protected outdoor case

Data reading using:

- Manual data collector SensMax SE/DE



SensMax DE Sensor Bi-directional



SensMax DE is infrared people counting sensor. It creates an infrared barrier from three invisible rays and counts visitors passing it.

The sensor using bi-directional people counting algorithm, so it can detect visitors' movement direction IN or OUT.

It is a wireless device that works from standard batteries for up to 1 year.

There is an option to order ABS plastic case with IP68 water/dust protection for outdoor usage.

SensMax DE sensor doesn't need any connection to power or Internet. It stores visiting statistics into internal memory for up to 150 days of hourly data.

Use SensMax SE/DE manual data collector to read the data from the sensor and export it to a local PC with SensMax Easy Report software installed by connecting the data collector via USB cable.

Application	Parks, Walking trails, Outdoor people counting for non-electricity areas
Operation principle	Infrared beam crossing
Movement tracking	Bi-directional
Internal memory	150 days of hourly data
Enclosure	Black or White ABS Plastic
Power supply	AA batteries
Battery lifetime	Up to 1 year
Dimensions	67×67×25 mm
Counting accuracy	95% 2 m, >2 m — 1%/m
Passage width	Optimal 1 m - 5 m, maximum — 10 m
Infrared ray angle	One beam, 6°
Fixture	Outdoor housing IP68

Features:

- Wireless battery powered sensor
- Extended internal memory
- Water/dust protected outdoor case

Data reading using:

- Manual data collector SensMax SE/DE



SensMax SE/DE Data Collector



SensMax SE/DE data collector is a device for statistical data reading from outdoor people counter sensors. It has a wireless infrared port for data downloading from the people counting sensors SensMax SE and SensMax DE.

You need to aim the data collector at the people counting sensors from a short distance and press the button. Data from wireless footfall counting sensors stored in internal memory is enough for saving up to 2000 days of hourly statistics from all served sensors. The collector supports data reading from up to 100 sensors.

SensMax SE/DE data collector has a built-in battery for 1 year of operation with the option to recharge the battery via USB port. To download statistics from the data collector, please connect it to any PC with preinstalled SensMax EasyReport reporting software.

Sensors supported	SensMax SE SensMax DE
Connectivity range	Up to 1m infrared connection
Qty of serviced sensors	Up to 100 pcs
Internal memory	2000 days of hourly data
PC connection	USB
Power supply	Built-in Li-Ion accumulator
Battery life	Up to 1 year
Dimensions	110×25×25 mm
Enclosure	ABS Plastic, black

Features:

- Built-in accumulator
- Internal memory 2000 days
- Rechargeable via USB

SENSMAX SOFTWARE PRODUCTS PEOPLE COUNTING SYSTEM

SensMax software provides comprehensive data analysis and reporting tools that have been developed based on the desires of customers using the visitor counting system.

We offer both a desktop application for Windows and a web-based application, ensuring flexibility and accessibility for different user needs. The software features a user-friendly interface, making data analysis intuitive and efficient.

A wide range of detailed reports is available in both graphical and tabular formats, allowing users to visualize trends, track visitor flow, and optimize business performance.

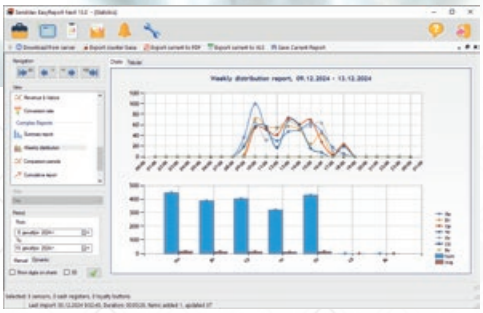
SensMax software also enables businesses to integrate visitor counting data with customer survey system results and point-of-sale (POS) transaction data.

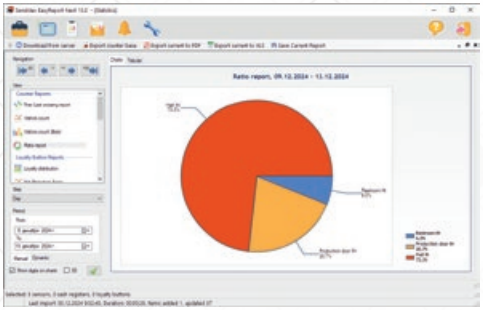
For seamless data management, SensMax offers flexible export options. Users can export reports as files in various formats or access data via API, enabling smooth integration with third-party analytics tools and business intelligence platforms.

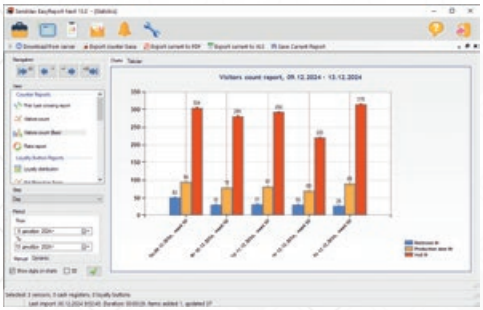




SensMax EasyReport Next







SensMax EasyReport Next is a powerful Windows application designed for advanced visitor analytics. It provides over 20 detailed reports, available in both graphical and tabular formats, making it easy to track visitor flow and analyze trends.

The application allows users to view data for individual stores or generate reports for entire cities and even countries. Data can be analyzed with a time granularity ranging from 5 minutes to one year, providing flexibility in monitoring visitor trends at different levels.

The software supports data import from multiple sources, including USB, FTP, local folders, and the SensMax web application.

SensMax EasyReport Next allows to combine visitor counting data with customer satisfaction survey results and point-of-sale (POS) transaction data.

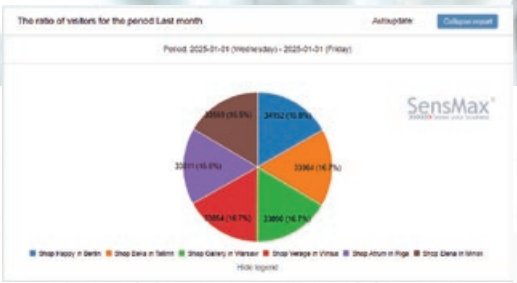
The application also includes an automated report export function, allowing users to save reports in PDF and XLSX formats. This ensures easy data sharing and integration with other business tools.

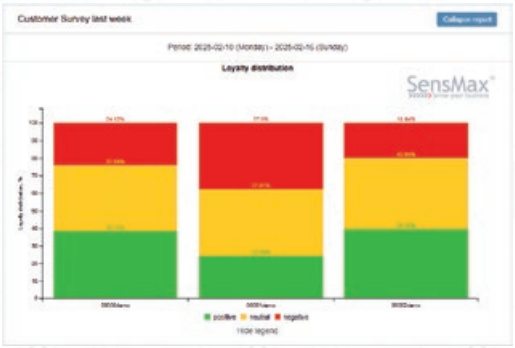
Features:

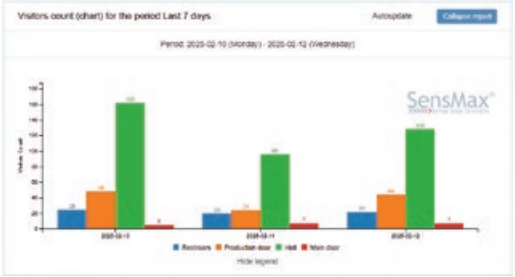
- Automatic data import
- Automatic reports export
- More than 20 reports



SensMax Web Application







The SensMax web application is an easy-to-use tool that offers over 12 different graphical reports that allow you to easily view statistics, monitor dynamics and analyse data from anywhere in the world with any device with a web browser.

The SensMax web application makes it simple to generate reports and automatically send them via email at a selected frequency. Users can also share reports via a direct link, enabling easy access on any web-enabled device, including Smart TVs.

SensMax Web Application supports grouping multiple visitor counting sensors and loyalty feedback buttons, allowing to combine data from various locations for a more comprehensive analysis.

For seamless integration with third-party systems, the application includes a powerful API, enabling to export data and incorporate visitor analytics into existing software solutions.

Features:

- Online graphical reports
- Automatic sending of reports to e-mail
- Share reports via a direct link
- API support

SENSGUARD REMOTE MONITORING SYSTEM

The SensGuard Remote Monitoring system is providing a comprehensive and easy-to-use temperature and humidity monitoring system for various applications.

The wireless battery-powered sensors can be easily placed anywhere. The sensors use advanced technology to measure temperature and humidity levels and transmit the data wirelessly to the SensGuard software. This software is equipped with advanced analytics tools, which allow users to monitor and analyze data from hundreds of sensors in real-time. The software provides detailed graphs, charts, and reports that help users make informed decisions about their temperature and humidity control.

One of the unique features of SensGuard is its easy-to-use visual interface. Users can quickly locate specific sensors by adding location photos and placing sensors on the images for easy visualization.

SensGuard also has an advanced alert system that notifies users when measured values go beyond defined limits. Users can set custom alerts to receive notifications via email or Telegram messanger, ensuring that they stay informed about critical temperature and humidity changes.

The SensGuard Remote Monitoring system is an essential tool for users that require reliable and efficient temperature and humidity control. Its advanced sensors, powerful software, and user-friendly interface make it an ideal solution for a variety of applications, from warehouses and server rooms to refrigeration, freezing, and baking equipment.





SensGuard MCP9808 Sensor



Wireless temperature monitoring sensor SensMax SensGuard MCP9800 designed for accurate remote temperature monitoring within range of –20°C to +55°C.

This sensor measures temperature with an accuracy of 0.5°C each five minutes and transmits data to a data gateway via a wireless data transfer protocol. Connectivity range is up to 150 m.

You can use this temperature monitoring sensor indoor and outdoor, as well as in wet and dusted environments because it has a waterproof and dust protected case with IP65 protection level.

Very easy wireless installation — stick wireless temperature sensor to any surface, and it will start measuring temperature around.

Application	Warehouse, Freezing/cooling equipment, Food storage, Data center, Heating and ventilation system, Smart building
Temperature range	–20°C..+55°C
Measurement accuracy	±0.5°C
Measurement resolution	0.1°C
Measurement period	5 minutes
Battery type	Built-in Li-Ion non-flammable IEC86-4 safety standard battery 400 mAh non-replaceable
Battery life	Up to 5 years
Communication frequency	868 MHz
Communication range	Up to 150 m
Data signal encryption	AES128
Dimensions	55×25×12 mm
Fixture	Double-sided adhesive tape
Case	Waterproof, IP65 protection

Features:

- Wireless temperature sensor
- Waterproof
- Battery life up to 5 years

Data delivery to a server using:

- SensGuard TCP LRX2 data gateway



SensGuard ENS210 Sensor



Wireless temperature and humidity monitoring sensor SensMax SensGuard ENS210 designed for remote temperature and humidity monitoring within the range of –20°C to +55°C and 0%-100% RH.

SensGuard ENS210 wireless temperature and humidity sensor measurement accuracy are ±0.5°C and 3.5% RH.

The sensor reads temperature and humidity parameters every five minutes and transmits data to a data gateway via a wireless data transfer protocol. The connectivity range is up to 150 m.

The sensor delivers temperature and humidity parameters to a cloud reporting portal every 5 minutes.

Application	Warehouse, Freezing/cooling equipment, Food storage, Data center, Heating and ventilation system, Smart building, Greenhouse
Temperature range	–20°C..+55°C, 0..100% RH
Measurement accuracy	±0.5°C, ±3.5% RH
Measurement resolution	0.1°C, 1% RH
Measurement period	5 minutes
Battery type	Built-in Li-Ion non-flammable IEC86-4 safety standard battery 400 mAh non-replaceable
Battery life	Up to 5 years
Communication frequency	868 MHz
Communication range	Up to 150 m
Data signal encryption	AES128
Dimensions	55×25×12 mm
Fixture	Double-sided adhesive tape
Case	Waterproof, IP65 protection

Features:

- Wireless temperature and humidity sensor
- Waterproof
- Battery life Up to 5 years

Data delivery to a server using:

- SensGuard TCP LRX2 data gateway



SensGuard DS1820 Sensor



Remote temperature sensor with probe SensMax SensGuard DS18B20 is a wireless sensor for temperature monitoring in a range of –30°C and up to +120°C.

This temperature sensor works from standard AAA batteries for 5 years. The sensor measures temperature within ±0.5°C accuracy and 0.1°C resolution.

It has a 1.5 m long temperature probe that helps to install it in hardly accessible spots. Temperature readings delivered to an online database every 5 minutes through LAN/Internet gateway.

Wireless temperature sensor DS18B20 can connect the data gateway in range of up to 150m.

Application	Freezing/cooling equipment, Food storage, Data center, Heating and ventilation system, Smart building, Laboratory
Temperature range	–30°C ..+120°C
Temperature probe length	1.5 m
Measurement accuracy	±0.5°C
Measurement resolution	0.1°C
Measurement period	5 minutes
Battery type	2×AAA
Battery life	5 years
Communication frequency	868 MHz
Communication range	Up to 150 m
Data signal encryption	AES128
Dimensions	67×67×25mm
Fixture	Double-sided adhesive tape

Features:

- Wireless temperature sensor
- Replaceable batteries
- Sensor probe

Data delivery to a server using:

- SensGuard TCP LRX2 data gateway



SensGuard PT100 Sensor



Wireless temperature sensor with probe SensMax SensGuard PT100 designed for temperature monitoring in a range of –50°C and up to +200°C.

This sensor measures temperature with ±0.2°C accuracy and 0.1°C resolution using a temperature probe with a length of 1.5 m. It works using standard AAA batteries for at least 5 years.

Temperature measurements delivered from the sensor to a server every 5 minutes using LAN/Internet gateway.

Wireless sensor connectivity range to the data gateway is up to 150m.

Application	Freezing/cooling equipment, Food storage, Data center, Heating and ventilation system, Smart building, Industrial environment, Laboratory
Temperature range	–50°C ..+200°C
Temperature probe length	1.5 m
Measurement accuracy	±0.2°C
Measurement resolution	0.1°C
Measurement period	5 minutes
Battery type	2×AAA
Battery life	5 years
Communication frequency	868 MHz
Communication range	Up to 150 m
Data signal encryption	AES128
Dimensions	67×67×25mm
Fixture	Double-sided adhesive tape

Features:

- Wireless temperature sensor
- Replaceable batteries
- Sensor probe
- Extended temperature range

Data delivery to a server using:

- SensGuard TCP LRX2 data gateway



SensGuard PT100HA Sensor



SensMax SensGuard PT100 HIGH ACCURACY is a wireless temperature sensor designed for temperature monitoring in a range of –200°C and up to +200°C.

The sensor works from two AAA batteries forup to 2 years. Temperature measurement accuracy is ±0.1°C and resolution is 0.01°C.

It has the 1.5m long temperature probe that is used for extreme cold and high temperature measurements.

Remote temperature sensor delivers statistics to a server using LAN/Internet gateways for every 5 minutes. Connectivity range to the data gateway is up to 150 m.

Application	Freezing/cooling equipment, Heating and ventilation system, Industrial environment, Laboratory
Temperature range	–200°C ..+200°C
Temperature probe length	1.5 m
Measurement accuracy	±0.1°C
Measurement resolution	0.01°C
Measurement period	5 minutes
Battery type	2×AAA
Battery life	2 years
Communication frequency	868 MHz
Communication range	Up to 150 m
Data signal encryption	AES128
Dimensions	67×67×25 mm
Fixture	Double-sided adhesive tape

Features:

- Wireless temperature sensor
- Replaceable batteries
- Sensor probe
- Extended temperature range
- High accuracy measurements

Data delivery to a server using:

- SensGuard TCP LRX2 data gateway



SensGuard TCP LR X2 Data Collector



SensMax SensGuard TCP LR X2 remote monitoring system gateway is a LAN-connected device for reading data from various types of temperature and humidity sensors.

This gateway supports data collection from up to 250 sensors. Communication distance to wireless sensors is up to 150 m. It has a standard RJ45 port for connection to a local router and provides automatic data forwarding to the online reporting portal.

SensMax SensGuard TCP LR X2 data gateway has internal memory for short time data backup. In case of any Internet connection problems, the data gateway will save records internally and will update the online database automatically once the connection restored.

Devices supported	SensGuard MCP9808 SensGuard ENS210 SensGuard DS1820 SensGuard PT100 SensGuard PT100HA
Communication ranges	Up to 150 m
Communication frequency	868MHz
Data signal encryption	AES128
Qty of serviced devices	Up to 250 wireless sensors
Internal memory	The short-term shared backup memory (5 sensors 18h, 200 sensors 30 min)
LAN connection	RJ45
Configuration port	USB
Power supply	AC adapter 5V or POE
Dimensions	90×66×28 mm
Frame	ABS Plastic, black
Fixture	Double-sided adhesive tape

Features:

- Supports 250 pcs sensors
- Communication range up to 150 m
- LAN connection

SENSGUARD SOFTWARE PRODUCTS MONITORING SYSTEM

SensGuard is an advanced monitoring system designed to ensure precise control over temperature and humidity levels in different environments such as retail stores, warehouses, server rooms, hospitals, laboratories, commercial buildings etc.

The SensGuard system enables seamless integration of floor plans, site photos, and custom images, allowing users to place sensors directly on visual layouts. This intuitive approach makes it easier to track environmental conditions and quickly identify potential problem areas.

SensGuard provides real-time monitoring with data displayed in two intuitive formats. The interactive map offers a clear visual representation of sensor readings in their precise locations, making it easy to assess environmental conditions at a glance. For deeper analysis, detailed graphs allow users to explore historical data trends and identify patterns over time.

The system can be configured to send alerts whenever temperature or humidity levels exceed predefined thresholds.

Stay informed with instant notifications.





SensGuard Monitoring System

The SensGuard Monitoring System Web Application enables real-time monitoring of physical parameters such as temperature and humidity.

Users can upload floor plans and object photos, placing sensors directly on these images for intuitive visualization.

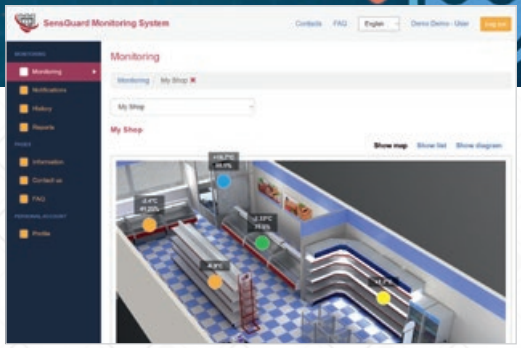
Data is presented in tables and graphs, providing clear insights into environmental conditions.

The application offers extensive filtering options and customizable alerts, allowing users to quickly identify objects with parameters exceeding set thresholds.

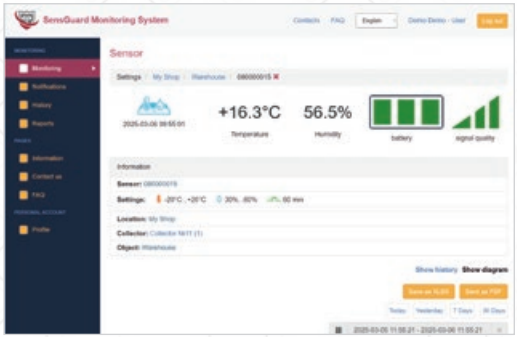
It also supports multi-user accounts with role-based access management. There are three access levels: Administrator, Moderator, and User, ensuring secure and efficient control over monitoring operations.

Features:

- Intuitive Visualization
- Comprehensive Data Analysis
- Custom Alerts & Notifications
- Role-Based Access Control







ACCESSORIES

Welcome to SensMax Accessories section, where you'll find everything you need to complement your existing equipment and optimize your setup.

We are offering different accessories that are designed to work seamlessly with SensMax devices, ensuring hassle-free installation and reliable operation. Whether you need mounting brackets, cables, adapters, or other accessories, we've got you covered.

Our accessories are manufactured to the highest standards, using top-quality materials and the latest technology. They are durable, reliable, and easy to use, making them the perfect choice for both personal and professional use.







V-type Plastic Bracket

Rotating angle bracket 0°-180° for people counting sensors.



I-type Plastic Bracket

Flat bracket for people counting sensors.



L-type Plastic Bracket

Corner 90 degrees bracket for people counting sensors.



Two-sided adhesive tape

Strong adhesive tape roll 33 m for sticking any sensors to any surface.



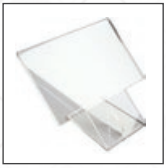
Lithium Batteries

High quality industrial batteries long life AA Li-Ion (4 pcs) for cold temperatures.



SensMax Mini DC UPS/Power bank

UPS/Power bank for SensMax data gateways, USB & DC charging, DC 9V, DC 12V, USB 5V 1A, 8800mAh.



Plastic stand

Plastic stand and question holder for customer survey buttons L3.



Outdoor housing

Plastic housing for outdoor sensors installation, IP68 protection, waterproof, dustproof.



Micro SD card

Backup memory for SensMax mmWave sensor.



Stainless Steel Bracket for TAC-B 4G

The special bracket for outdoor installation of TAC-B 4G or TAC-B 3D-WP sensor on the pipe or pole.

SensMax®

Sense your business