Back to business with
Senstar Safe Spaces™

FACE MASK DETECTION

PHYSICAL DISTANCING

HAND SANITIZATION

OCCUPANCY COUNTING

Features and Benefits

- Enable safe business operations via a comprehensive set of analytic tools:
  - Face mask detection
  - Physical distancing
  - Hand sanitization
  - Occupancy counting
- Monitor up to 6 video streams, with multiple analytics per stream
- Compact and easy to deploy
- Supports all ONVIF cameras and encoders
- Use as a standalone system, with the Symphony VMS, or with any ONVIF-compatible video management software
- Deep learning, high performance architecture
- Web-based configuration
- Software-upgradeable to support future capabilities

Video analytic solutions for health and safety protocols

Senstar Safe Spaces™ enables organizations to verify if health and safety protocols are being followed, including face mask wearing, physical distancing, hand sanitization and building occupancy limits.

With the on-going threat of COVID-19, organizations need innovative ways to keep staff and customers safe while resuming or maintaining business operations.

Face mask, physical distancing, hand washing and maximum occupancy requirements are critical, effective tools to prevent the spread of COVID-19. However, ensuring compliance remains a challenge.

Senstar Safe Spaces provides a drop-in solution to help organizations maintain a safe environment in an affordable, sustainable, and non-intrusive manner.

By leveraging the power of deep-learning video analytics, supervisors can remotely monitor the effectiveness and adoption of health and safety protocols, be alerted immediately of non-compliance, and take the appropriate actions as required.

Staff and customers can also be notified of an organization's protocols via automated audio or visual alerts, reminding them to wear a face mask, wash their hands or keep apart a minimum distance. Automated reminders encourage self-responsibility, reducing the burden of supervisors.
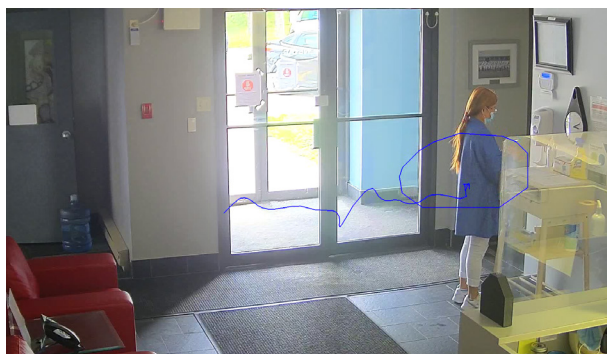
Senstar Edge Platform

DETECT FACE MASKS

The Face Mask Detection analytic determines if an individual is wearing a mask or not. The analytic will reliably detect standard medical and N95-style masks, and can be trained to detect a wide variety of non-standard mask styles. To protect privacy, faces can be dynamically obscured.
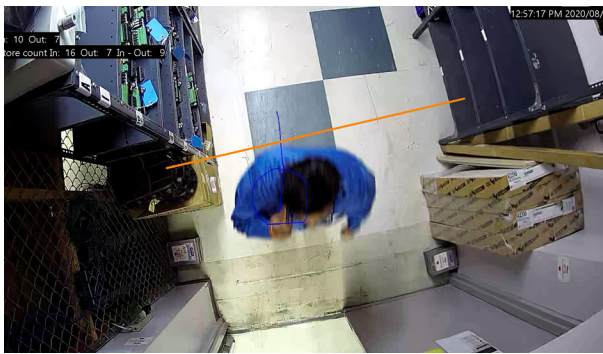

MEASURE PHYSICAL DISTANCING

The Physical Distancing analytic measures the physical distance over time between each person in a scene. Capable of monitoring large areas, both indoors and outdoors, the analytic can determine if physical distancing requirements are being met for small crowds of people (for example, 2 m or 6 ft). To optimize its accuracy, a direct view of the people is recommended.
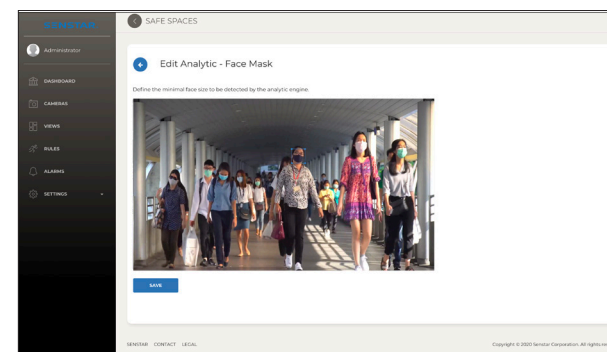

DROP-IN, FITS ANYWHERE SOLUTION

With the Senstar Edge Platform, organizations can use existing network cameras to monitor their premises and receive alerts when health requirements like face masks or hand sanitization are not followed.

The device works with any camera or video encoder that supports ONVIF. Alerts may be sent to any video management software that supports ONVIF alerts.

The device may also be deployed in a stand-alone configuration. Alerts can be directed to mobile devices for convenient notification. Local announcements can also be made via pre-recorded messages over IP speakers.
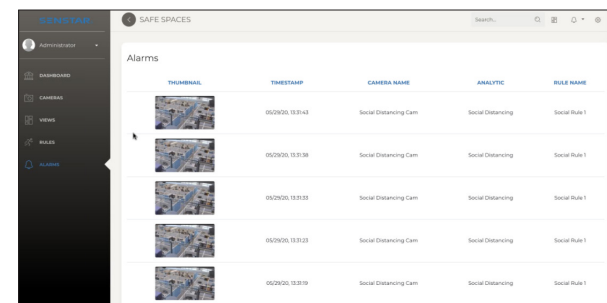
The analytics are configured via an intuitive built-in web interface. Visually set the camera height and angle, then draw the size of the detection object for example, average face size). The system does the rest.

MONITOR HAND SANITIZATION

The Hand Sanitization analytic monitors the behavior of people within a defined area and determines if they take the required time to properly sanitize their hands.

COUNT IN/OUT TRAFFIC

The Occupancy Counting analytic monitors the movement of people as they enter and leave by crossing over a 2-way count line. If the number of people exceeds the number allowed, an alarm is generated. Total occupancy can be obtained by aggregating counts from multiple cameras.

Senstar Safe Spaces | Video analytic solutions for public health requirements

Deployment Examples

RETAIL ENVIRONMENT

Customer Service Counter

Occupancy Counting

Occupancy Counting

Physical Distancing

Face Mask Detection + Hand Sanitization

Face Mask Detection + Hand Sanitization

Face Mask Detection + Hand Sanitization

Occupancy Counting
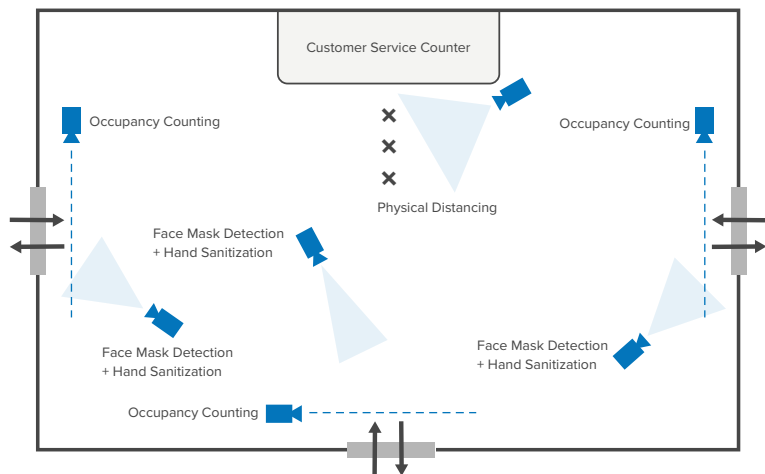
MANUFACTURING/FOOD PROCESSING ENVIRONMENT

Hand Sanitization

Hand wash stations

Employee entrance

Occupancy Counting

Occupancy Counting

Face Mask Detection

To/from plant floor

Hand wash stations

Hand Sanitization
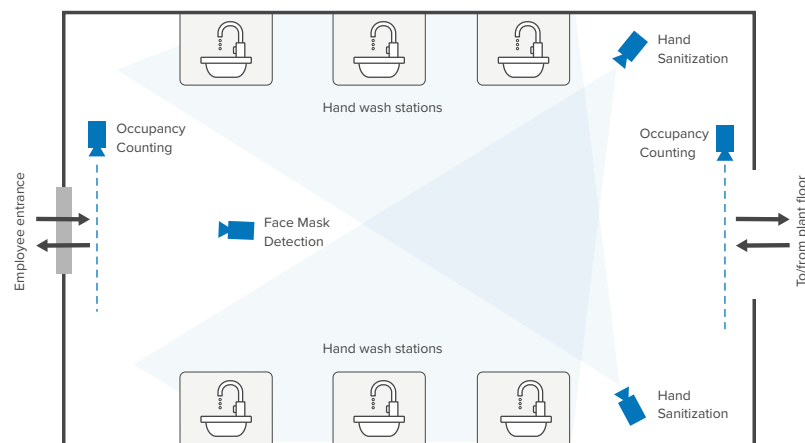
RESTROOM OCCUPANCY MONITORING

Occupancy Counting

CAMERA-FREE ROOM

Smart TV Signage
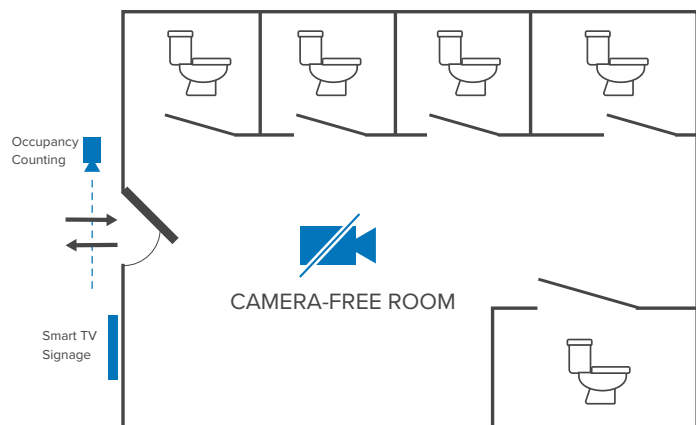
CAFETERIA/COMMON AREA ENVIRONMENT

Physical Distancing

Physical Distancing

Occupancy Counting

Dedicated entrance

Hand Sanitization

Occupancy Counting

Physical Distancing

Dedicated exit

Network Architecture

VMS

ONVIF Alert

Senstar Edge Platform

Cameras

Email/Text Message Alert

Mobile Device

Web GUI

IP Speakers

HDMI Display

Network Architecture

Technical Specifications

GENERAL

- Supports up to 6 network camera streams
- Run multiple analytics on each stream
- Supports all ONVIF-compliant network cameras and encoders
- Configurable 1,4 or 6 panel 1080p output
- Web-based configuration
- Certification: CE, FCC Class A
- Warranty: 2 years

EMBEDDED VIDEO ANALYTICS

- Face mask detection
- Physical distancing
- Hand sanitization
- Occupancy counting

MANAGEMENT INTERFACES

- Web-based configuration
- Configurable video multi-panel video layouts
- Onboard alarm history

PHYSICAL INTERFACES

- One 10/100/1000Base-TX Mbps Ethernet (RJ-45)
- HDMI 2.0
- 4 USB ports (USB 3.2)
- Reset button

ELECTRICAL

- 12 VDC (2-pin terminal block)

MECHANICAL

- Dimensions (not including flanges): 88 x 75 x 39 mm (3.39 x 2.87 x 1.3 in)
- Weight: 0.3 kg (0.5 lb)
- Flanges for wall-mount

ENVIRONMENTAL

- Operating temperature: –20 to 50 °C (–4 to 176°F)
- Storage temperature: –45 to 80 °C (–49 to 176 °F)
- Humidity: 5 to 95% (relative, non-condensing)

COMPACT, EASY TO INSTALL

The Senstar Edge Platform's compact, fanless design enables it to be installed virtually anywhere, including directly on the back of monitor or in a utility closet or IT room. Multiple units may be used at the same site to support additional cameras.

PWR   LAN   USB   USB   HDMI

With Gigabit Ethernet support, the Senstar Edge Platform can run Safe Spaces video analytics on up to 6 high-definition network video streams

HDMI video output enables the Senstar Edge Platform to display up to 6 video panels on a 1080p monitor at one time

PART	DESCRIPTION
K1EM0100-001	Senstar Safe Spaces with North America power cord
K1EM0101-001	Senstar Safe Spaces with Europe power cord
K1EM0102-001	Senstar Safe Spaces with UK power cord