

# SecurOS® Hand Sanitizing

## Intelligent Hand Sanitizing Control System

Video analytics module designed to oversee health standards



## Technology Overview

SecurOS® Hand Sanitizing Detection is a AI software module designed to analyze human behavior related to compliance with health standards, providing automatic control of hand sanitizing stations. The module makes it possible to automatically monitor compliance with the established sanitary regulations and can be processed by a single operator using the specialized SecurOS® Inspector module.

Quickly deployed and easily configured, the module operates wherever hand sanitizing regulations are in place, including healthcare facilities, food processing and manufacturing, and at the entry/exits of “dirty” and “clean” zones on the territories of enterprises of different industrial branches.

The SecurOS® Hand Sanitizing Detection module uses advanced neural network algorithms to analyze and determine a person’s behavior, providing exceptional detection accuracy.

## Applications



Food Industry



Medical +  
Pharmaceutical  
Facilities



Manufacturing



Educational  
Facilities

## Key Features

### COMPLIANCE-FOCUSED

Enforces compliance for established sanitary standards guided by regulatory agencies or internal documentation.

### CONTINUOUS CONTROL

Provides continuous control of sanitizing areas 24/7.

### UNATTENDED OPERATION

From detecting a violation to statistical processing of the received data and generating reports, the entire process is performed automatically without the involvement of a person.

### INTEGRATES WITH SECUROS® INSPECTOR

Works seamlessly with the SecurOS® Inspector module, which provides a complete and reliable set of statistical data that can be transformed into customized reports.

### QUICK + EASY INSTALLATION

Streamlined setup and quick calibration mode for near-immediate startup.

### ADD MORE FUNCTIONALITY

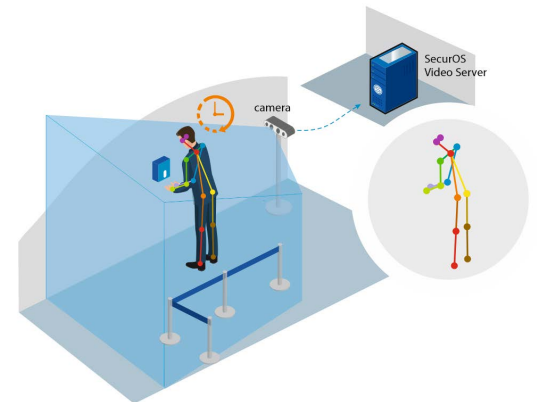
Ability to expand the system to include SecurOS® FaceX facial recognition with an access control solution using single or multi-factor authentication.

# SecurOS® Hand Sanitizing at Work

The SecurOS® Hand Sanitizing Detection module is based on AI technology, Markerless Motion Capture neural network algorithm, and an expert system (semantic analyzer).

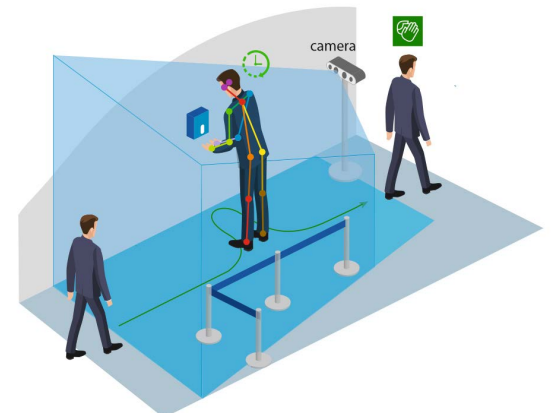
## 1 A person enters the controlled area.

They stop at the sanitizer device or sink and wash their hands and/or use sanitizer. The system detects human presence within 13 feet (4 meters) of the camera and retrieves coordinates of key points (head, shoulders, elbows, hands, etc.) to interpret human behavior until the person exits the control zone. Based on the analysis of human behavior during their stay in the controlled zone, the system generates one of two events.



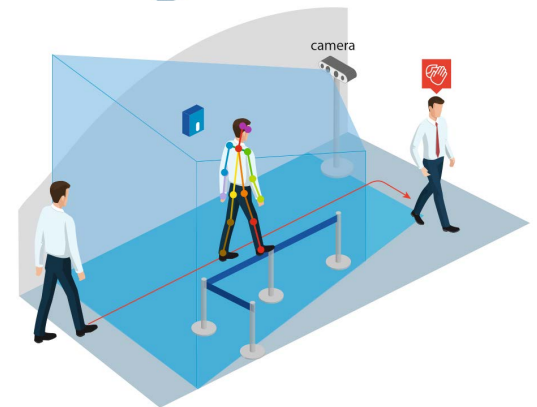
## 2 Violation is not detected.

If a person in a predefined sanitizing area performed a sequence of actions identified as hand washing or sanitizing a violation is not detected.



## 3 Violation is detected.

If a person crossed the predefined sanitizing area without sanitizing/washing their hands, or if the sanitation was not performed properly a violation is detected.



## Specifications

ISS Platform Support		Ordering Information		Technical Data	
<b>Operating System</b>	Windows 10/11 Pro Windows Server 2016/2019/2022	<b>Part numbers</b>	<b>IF-ATRS-HAND-S:</b> SecurOS® Hand Sanitizing Detection Module – Software license (per camera).	<b>GPU requirements</b>	NVIDIA® GPU - CUDA Compute 6.1, 7.5, 8.6
<b>SecurOS® Edition</b>	SecurOS® Premium, SecurOS® Enterprise			<b>CPU requirements</b>	Intel® CPU supporting AVX-512 or DL Boost technology
				<b>Camera install height</b>	3.9 – 4.6 feet (1.2 – 1.4 m)
				<b>Control area dimensions, maximum</b>	6.5 ft (width) x 13.1 ft (length) (2 m x 4 m)



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