SecurOS™ Porter

Automated Touch-Free Temperature Screening and Face Mask Detection

SecurOS™ Porter is a standalone multifunctional device for remote and on-the-fly detection of elevated temperature and protective face mask usage - when regulations require.

The results of the detections are indicated with colored LEDs on the device's panel as well as with voice notifications in case of violation detection.

The software-hardware system detects a person (adult or child), checks for a mask on their face, and scans their temperature. If the person's temperature is elevated and/or there is no mask on their face, the SecurOS Porter shows corresponding "red" indicators and sounds audio notification to notify security personnel. Optionally, the system can send alarms to the security personnel wirelessly. If the temperature is normal and the person is wearing a mask, corresponding green indicator lights will turn on.

The SecurOS Porter provides touch-free temperature screening and mask detection at a distance of 1.64 ft (0.5m) and works 24/7. The facial detection video analytic allows to localize infrared temperature scanning to a person's face. This allows to determine the deviation from the normal temperature and correlate the person's face with the corresponding data from the temperature sensor at a high accuracy. The intelligent mask detector based on convolutional neural network technology determines reliably the presence or absence of a facial mask.

The SecurOS Porter has a built-in computer for data gathering and processing as well as a wireless device for transmitting incident data to security personnel. The solution allows to detect threats «on the fly» and to notify security personnel about the incident. This allows you to take operational measures to deal with the threat: e.g. get a doctor or to provide the person with a mask, thus also providing protection of surrounding people from potential threats.

KEY ADVANTAGES

UNATTENDED OPERATION

- Provides automated high-quality temperature screening.
- High measurement accuracy (deviation of 0.9°F (0.5°C) from +97.88°F (+36.6°C) temperature).

ON GUARD: ALWAYS AND INSTANT

- Standalone installation. Operating 24/7 allows you to identify a potentially sick person and/or an absence of mask on a person's face when regulations require this – in order to prevent a virus outbreak at any time.
- Has a mirror for self-operation and color-coded indication as a face pictogram - to indicate if everything is OK or if something is wrong.
- Protective housing and a floor stand adapted for different types of facilities including schools.
- Allows to equip dozens of check-points with temperature scanning, corresponding with face data, and to forward all data to a supervisor/security personnel.

EFFECTIVE SOLUTION & SMART TECHNOLOGY

- Video analytics algorithms based on convolutional neural network and state-of-the-art thermo-scanner enables extraordinary threat detection accuracy.

- Lite and quick installation; no need for special mounting and future maintenance.
- Wide range of APIs to support the integration of 3rd-party devices and systems.

DESIGN AND DIMENTIONS

Dimensions indicated in millimeters

ALARM MODES ON FACE PANEL

Standby mode

Required to come closer to Porter

No violations

Face mask absence

Elevated temperature

Temperature & mask alarms

SPECIFICATIONS

Detection range	1.64 ft (0.5m)
Thermographic detection accuracy	+- 0.9°F (0.5°C)
Measurement area	Upper half of the person's face
Measurement range of an object	+77°F ...+113°F (+25°C ... +45°C)
Alarm modes on face panel	6 modes
Audio	Pre-recorded audio notifications
Power supply	100 – 240V AC
Power consumption	100 W
Communication interface	Wi-Fi optional
Input protocol	TCP/IP
Dimensions	Overall dimensions with stand: W=13.78", H=53.15" (W=350 mm, H=1,350 mm); Device dimensions (WxHxD): 10.43" x 9.25" x 5.12" (265x235x130 mm)
Protection class	IP20
Weight	26.46 lbs (12 kg)
Warranty period	1 year