

Touchless Biometric Solution with Mask & Body Temperature Detection

Powerful surveillance tech that identifies users with surgical masks and checks their body temperature quickly



Coronavirus Symptoms Alert

In public areas, the sanitary issue, which particularly exacerbates in some Asian countries at the height of the COVID-19 epidemic, is of utmost importance.

Especially when there is a global coronavirus outbreak that is contagious and hard to contain, people are worried about droplet infection and concerned about placing hands or fingers on the same sensor, doorknob, or handle where countless others have also placed theirs.



“ **FEVER** is one of the major symptoms of Coronavirus. ”

“ Approximately **80%** of sickness-causing germs are spread via hands. ”

Source: Centres for Disease Control and Prevention (CDC)



3 Features of New Biometric Technologies for Access Point Security

Temperature Check for Users

Facial Recognition for Masked Persons

Touchless for Better Hygiene

Touchless Biometric Solution with Body Temperature & Mask Detection



MASKED FACE

Fast and Accurate Visible Light Facial Recognition with Wide Angle Tolerance for Masked Individuals

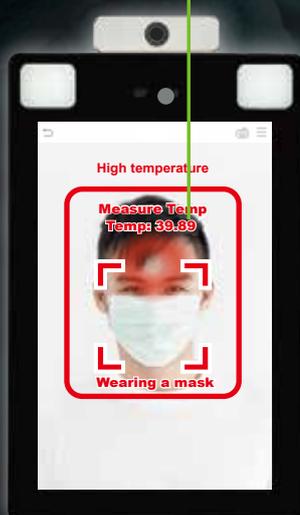
In the time of a global public health issue, wearing surgical masks is a must-take precaution before entering crowded areas such as offices, shopping malls, stations and so on. Un-masked persons would potentially be seen as spreading germs in the community as droplets are one of the most dangerous and easiest ways of coronavirus spreading. With the help of Computer Vision technology, ZKTeco's upgraded terminals can identify whether the user is wearing a mask, while conducting fast and effective facial recognition.



3 meters of recognition distance and extra wide angle facial recognition



39.89°C / 103.802°F



Access Control Terminal

BODY TEMPERATURE MEASUREMENT with Computer Vision Technology

Most of the thermal cameras in the market are designed for industrial use. Such temperature detection may allow up to +/-2 degrees of deviation, which is simply not precise enough for human body temperature screening during a pandemic of diseases.

In order to solve this problem, ZKTeco combines the technology with infrared temperature detection to provide accurate and fast temperature screening during identity verification.

Body Temperature Detection Specifications

- Temperature Deviation: +/- 0.3 degrees
- Detection Distance: 25cm – 50cm
- Detection Speed: >0.5s
- Posture Angle Tolerance: +/-30 degrees

36.5°C / 97.7°F



Metal Detector

Touchless Biometric Solution with Body Temperature & Mask Detection

TOUCHLESS RECOGNITION

Computer Vision: 3-in-1 Palm Recognition

Touchless palm authentication method with a novel hand tracking technique allowing angle tolerance as wide as $\pm 60^\circ$ in the roll axis and a recognition distance of 50cm is certainly eliminating hygienic concerns while maintaining accurate and effective high-level biometric recognition quality. Users won't have to struggle to touch any sensor anymore.



50cm of recognition distance and extra wide angle palm recognition



Palm Recognition Specifications

- Palm Capacity: 5,000
- Recognition Distance: 50cm
- Recognition Speed: 0.3s
- Palm angle tolerance: ± 60 degrees

Application

- Flexible System
- Out-of-range Body Temperature Alarm
- Highly Secured
- Responsive, Intuitive and User-friendly
- Accurate and Real-time Push Notifications & Reports



Touchless Biometric Solution with Body Temperature & Mask Detection

Product Series



SpeedFace V5L[TD]



Proface X[TD]



SBTL8033



ZK-D3180S

Product Features



Wide Pose Angle
Acceptance



Wide Palm Pose Angle
Acceptance



Proactive Facial
Recognition



Proactive Palm
Recognition



Speedy
Recognition



Touchless for
Better Hygiene



Temperature
Detection



Masked Face

K1-1/ K1-1D

Contactless Exit Sensor



All-In-One ZKBioSecurity Solution (Software & APP)



- Infection Precaution Module
- Real-time Records of Staff's Body Temperature Measured at Each Access Point
- Out-of-range Temperature Warning Interlinkage
- Staff Body Temperature Statistics

Touchless Biometric Solution with Body Temperature & Mask Detection

System Topology

ZN-T1

Network Camera with Body Temperature Detection



Temperature Detection



ZN-TH01

Portable Blackbody



ZK-D3180S

Walk-Through Metal Detector with Temperature Detection



Temperature Detection



SpeedFace V5L[TD]

Facial Recognition Terminal with Temperature Detection



Wide Pose Angle Acceptance



Temperature Detection



Masked Face



Proactive Palm Recognition



Proface X[TD]

Facial Recognition Terminal with Temperature Detection



Wide Pose Angle Acceptance



Temperature Detection



Masked Face



Proactive Palm Recognition



InBioPro 160/ 260/ 460

IP-based Biometric Door Access Control Panel



SBTL8033

Touchless Entrance Control Solution with Temperature Detection



Wide Pose Angle Acceptance



Temperature Detection



Masked Face



Proactive Palm Recognition



K1-1/ K1-1D

Contactless Exit Sensor



Touchless Biometric Solution with Body Temperature & Mask Detection

Product Introduction

SpeedFace V5L[TD]

Facial Recognition Terminal with Temperature Detection

- Temperature Detection, Facial & Palm Recognition
- Identification of people with masks
- Enhanced visible light facial recognition
- Multiple verification with Fingerprint and Facial Recognition
- Dual-camera for real-time face detection
- Recognition distance: 0.3 - 3 m



Proface X[TD]

Facial Recognition Terminal with Temperature Detection

- Temperature Detection, Facial & Palm Recognition
- Identification of people with masks
- Enhanced visible light facial recognition
- Dual-camera for real-time face detection
- Recognition distance: 0.3 - 3 m



ZK-D3180S

Walk Through Metal Detector with Temperature Detection

- Temperature detection
- 18 detection zones
- 256 sensitivity levels
- 5.7" LCD display
- Counter for alarm and people
- Synchronous sound & LED alarm



SBTL8033

Touchless Entrance Control Solution with Temperature Detection

- Temperature Detection, Facial & Palm Recognition
- Identification of people with masks
- Fast and accurate visible light facial recognition with wide angle tolerance for masked individuals
- 0.3s high speed facial recognition
- Servomotor - faster opening speed
- 10 pairs of infrared sensors for stronger tailgate detection.
- Bi-directional operation control
- Led passage indicator in both directions

