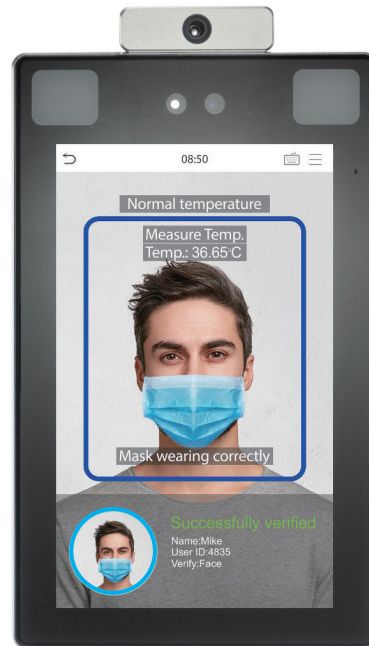Softworks

Works for your workforce!

Palm   Face

Palm   Face   Fever & Mask Detection

Softworks Touchless Biometric Clock with Fever Recognition

Softworks latest biometric terminal has a high definition camera for contactless facial and palm recognition combined with an infrared sensor for real-time temperature detection. It's the ideal solution to help with current measures for disease prevention.

At a Glance, The Benefits

Facial and contactless palm recognition: A secure and powerful access control solution.

The latest biometric terminal from Softworks performs real-time facial detection with or without face masks. If required it can issue an alert if a mask is being worn incorrectly. With a powerful CPU and the latest computer vision technology, the terminal can manage up to 30,000 facial templates with a recognition speed of less than 0.3 seconds per face and anti-spoofing against almost all types of fake photo and video attacks.

The 3-in-1 contactless palm recognition (Palm Shape, Palm Print and Palm Vein) takes just 0.35 seconds per hand and compares palm data with a maximum of 5,000 palm templates.

Contactless temperature measurement: A powerful tool in infectious disease control.

Contactless infrared temperature scanning is carried out automatically at a distance of 0.3 to 0.5 meters and with an accuracy of ± 0.3 degrees Celsius.

Where a normal body temperature is detected, the terminal can allow access based on facial recognition even while wearing a mask. Where an elevated temperature is detected, a real-time alert and reading can be displayed on screen.

Configurable to your unique requirements. Reassurance for your employees and customers.

The terminal can be integrated with your existing Access Control and/or Softworks Time & Attendance solution providing an additional layer of health, safety and security protection for your employees. It can also be used for anonymous thermal scanning and temperature detection of your visitors, customers and vendors keeping your workplace safe and protected.

softworks.com

Features

- Ultra-large capacity of facial templates for 1:N verification: 30,000 (standard)

- Huge capacity of palm templates; 1:N - 5,000 palm templates

- Anti-spoofing algorithm against print attack (laser, colour & B/W photos), videos attack, and 3D mask attack

- Intelligent energy-saving design; precise evaluation of the distance (up to 2.5m (8.2ft)) between the user and the device by a microwave detector before waking up the recognition terminal

- 2MP starlight CMOS sensor camera with WDR function, which enables the terminal to recognise faces under extreme lighting conditions (0.5 lux – 50,000 lux)

- 8" touch screen with 400 lux, which offers high visibility under strong and direct light

- IP68 dust-proof and waterproof standard & IK04 protection standard *

- Wide range of working temperature (-30 ~ 60°C; -22 ~ 140°F)

- Body temperature detection: measurement deviation of ±0.3°C; measurement distance of 30 – 50cm

- Mask detection; facial verification available with masks **

- Stand alone temperature detection device

* IP68 and IK04 is not applicable with the temperature module attached.
** Facial verification for masked individuals will increase FAR. Palm verification for masked individuals is recommended.

Specifications

Capacity

Faces	30,000 (1:N)
Palm	5,000 (1:N)
User/Cards	50,000
Transactions	1,000,000 (Optional)
	2,000,000
User Photos	30,000
Event Photos	10,000

SWT03 - TD doesn't support card

Compatibility

Security Relay Box
Wiegand Slave Reader with FP / RFID / Barcode / BioSecurity Software

Hardware

900MHz Dual Core Customized AI CPU
512MB RAM / 8G Flash
8" Hight light (400lux) IPS Touch LCD
2MP WDR Low Light Camera
Adjustable Light brightness LED
Distance Detection Sensor
Reset Button & Tamper Switch

Access Control Interface

Lock Relay Output
Alarm Output / Auxiliary Input
Exit Button / Door Sensor
IP68 & IK04
0.3s Hight Speed Facial Verification ***
Liveness Detection
HTTPS Communication Encryption (Optional)
Event Snapshot

*** without temperature detection

Standard Functions:

Custom Wallpaper & Screen Saver

Antiepidemic

Mask detection
Body temperature detection (SWT03 - TD Only)
Temperature Measurement Distance: 30cm~50cm (1ft~1.64ft)
Temperature Measurement Accuracy: ±0.3°C Temperature Measurement Range: 34°C~45°C

Communication

TCP/IP
Wiegand Input / Output
Wi-Fi (Optional)

Additional Info

Face Algorithm: V.5.8
Palm: FAR ≤0.01%; FRR ≤1% Working Temperature: -30°C ~ 60°C, (-22°F ~ 140°F)
Working Humidity: ≤93%
Storage Temperature: -40°C ~ 65°C
Storage Humidity: ≤93%
Net Weight: 853g
Dimensions (H*L*D): 227*143*26.1mm

Power

Operating Voltage: 12V DC
Current Draw: < 2,000mA