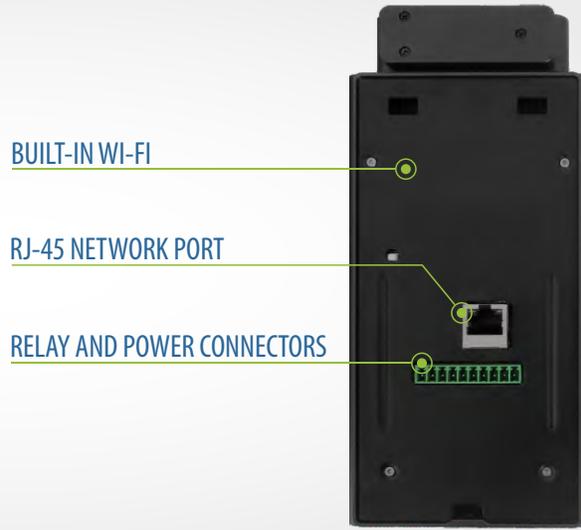# Hytera SmartGuard

Non-Contact Thermal Screening | Facial Recognition | Access Control

- Non-contact infrared temperature screening with audible and message alarms

- Facial recognition that is not affected by protective masks

- Comprehensive employee access control for multiple areas and entrances

- Configurable access settings and flexible deployment options

Hytera SmartGuard is a biometrics access control solution with temperature screening for small to medium-sized businesses, medical facilities, schools, and events.

SmartGuard provides safe, non-contact body temperature screening to reduce the risk of virus transmission and facial recognition to validate employee identity for building access.

CAMERA

SUBJECT LIGHTING

INFRARED 32x24 MATRIX

5 INCH HD LCD DISPLAY

V2.5   08-22-2020   8:14AM

Amy Smith
98.5

BUILT-IN WI-FI

RJ-45 NETWORK PORT

RELAY AND POWER CONNECTORS

Hytera SmartGuard

TEMPERATURE SCREENING

- Infrared temperature reader is accurate to 0.54 degrees Fahrenheit
- Measures at a distance of 12 to 20 inches
- Eliminates the need for staff using time-consuming, hand-held temperature readers at close proximity
- Audible and message alarms for readings above preset body temperature thresholds

FACIAL RECOGNITION

- Rapid and accurate detection within 200ms
- Algorithm is accurate to 99.8% against non-living attempts such as pictures on tablets and phones
- Unaffected by protective masks, and can provide an audible reminder if employees are not wearing masks
- High-definition anti-backlight camera with subject lighting

ACCESS CONTROL

- Relay connectors for controlling magnetic door locks
- Supports the industry standard Wiegand Interface for integration with existing access control systems
- Configurable timer from 1 to 10 seconds for door opening

MANAGEMENT SOFTWARE

- Provides personnel management with access control that associates personnel with access zones
- Easy to use and configure
- Upload images of up to 10,000 employees

ANDROID APP

- Install the Android App on cell phones to monitor screened personnel and receive alarms for high temperature readings
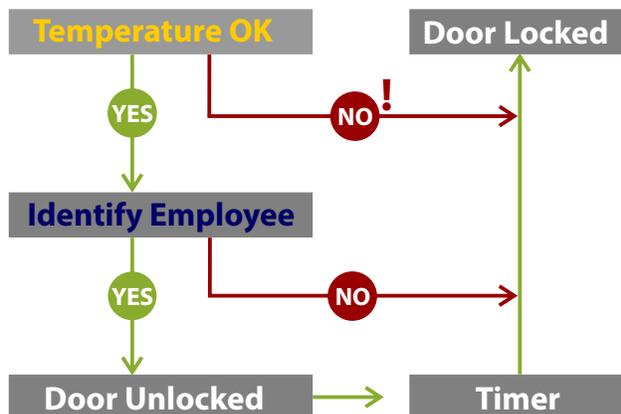
NETWORK CONNECTIVITY

- Built-in Wi-Fi supports in-building communications to network server
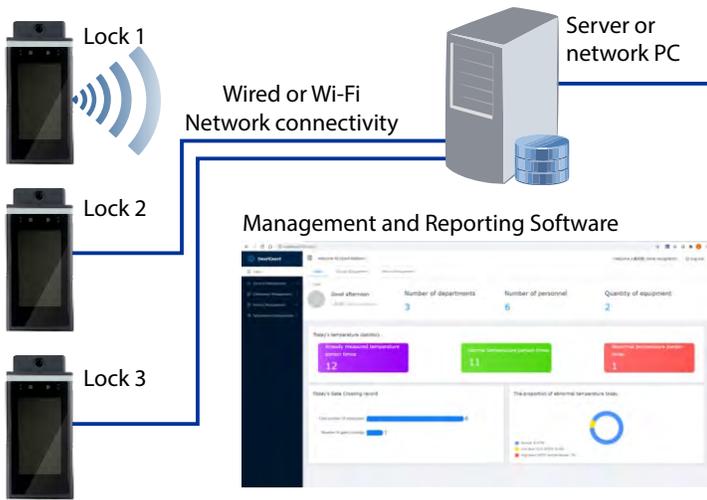- Features RJ-45 port for wired connectivity

FLEXIBLE DEPLOYMENTS

- Install on a wall and integrate with door locks for access control with temperature screening and facial recognition
- Configure levels of access control for different entry points
- Deploy as a freestanding device for temperature screening to free staff from time-consuming, close-proximity manual temperature readings

System Functions

Temperature OK → YES → Identify Employee → YES → Door Unlocked → Timer

Temperature OK → NO ! → Door Locked

Identify Employee → NO → Door Locked

System Components

Lock 1

Lock 2

Lock 3

Wired or Wi-Fi
Network connectivity

Server or
network PC

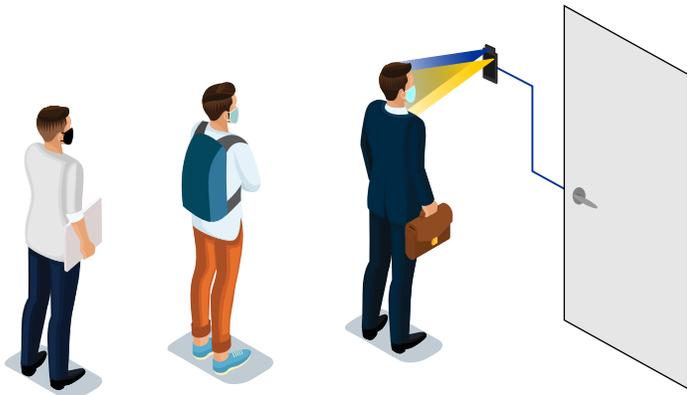Management and Reporting Software

Wi-Fi

Hytera PNC550   Cell Phone

The SmartGuard web-based management software tracks all interactions with SmartGuard devices throughout a facility. Employees can use Hytera PNC550 handheld terminals or cell phones with the SmartGuard Android app to monitor SmartGuard interactions and receive temperature violation alarms.
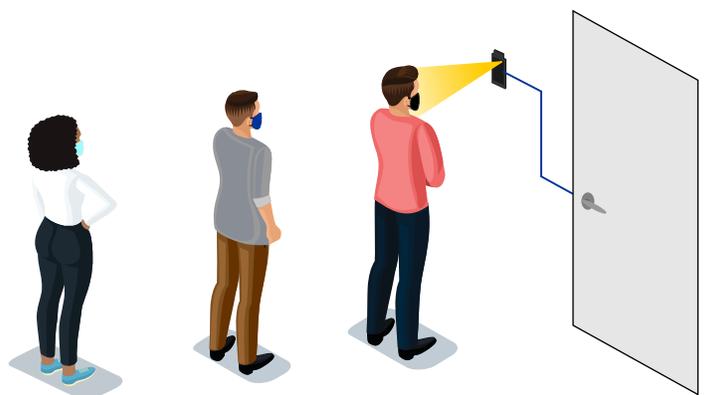
Deployment Options

Temperature Screening and Facial Recognition with SmartGuard Controlled Access

- Typically deployed at a main entrance where all employees and visitors enter the building
- SmartGuard performs temperature screening and identity check
- SmartGuard unlocks the door based on meeting these two criterion

Temperature Screening with SmartGuard Controlled Access

- Typically deployed at an entrance for both employees and visitors
- SmartGuard screens temperature but does perform facial recognition identity check
- SmartGuard unlocks the door if temperature screen is within preset threshold

Facial Recognition with SmartGuard Controlled Access

- Typically deployed on interior doors to access controlled areas where employees have already passed through a temperature screening door
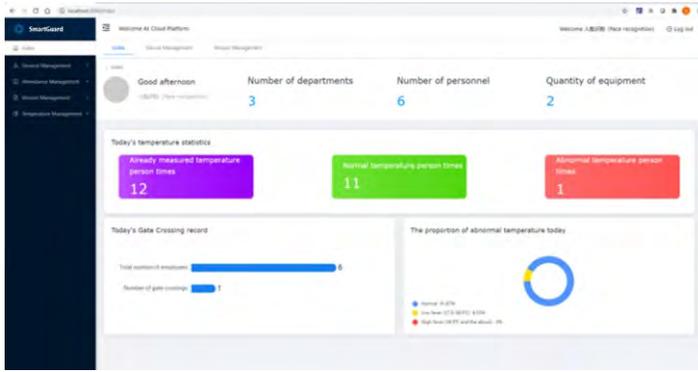- SmartGuard identifies employee and unlocks the door
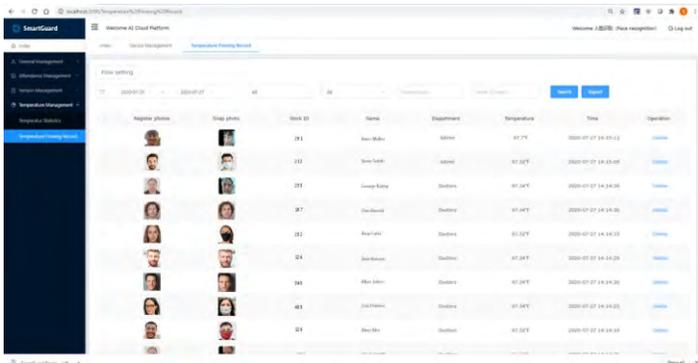

Temperature Screening Only

- Typically deployed as a standalone device managed by an employee for safe and contact-free temperature screening at a medical facility, event, or campus
- SmartGuard provides temperature screening only, and sounds an alarm and sends messages to handheld devices if the preset temperature threshold is exceeded

Management Software

The SmartGuard web-based management software provides comprehensive access management and tracks all interactions with SmartGuard devices throughout a facility. A dashboard interface shows entrances and statistics over a specified time frame. It supports up to 10,000 employees that can be assigned to different areas and access points.

Standard Accessories

SmartGuard terminals include an external AC/DC power adapter, and a metal wall mount bracket with mounting template.

Hytera North America

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Telephone (954) 846-1011

8 Whatney, Suite 200, Irvine, CA 92618, United States
Telephone (949) 326-5740

100 Leek Crescent, Unit 11, Richmond Hill, ON L4B 3E6, Canada
Telephone (905) 305-7545

Target Applications

Small / Medium Size Businesses

Healthcare Facilities

Schools and Non-Profits

Gatherings and Events

Specifications

General	
Power	2 Amps, 3 to 5 Amps for door lock
Weight	23.5oz (308g)
Dimensions (H x W x D)	8" x 3 7/8" x 7/8" (203 x 99 x 22mm)
Ports	RJ-45, 10-Pin Relay and Power Connector
Display	5" HD LCD
Facial Recognition	99.8% accuracy 200ms recognition speed
Temperature Detection	32x24 Infrared matrix Accuracy: ±0.54º F (±0.3º C) Detection Range: 12" to 20" (30 to 50cm)

Ordering Information

Part Number	Description
PWA-10-A505	Hytera SmartGuard Biometric Temperature Screening, Facial Recognition, and Access Control
PWA-10A505-SW	Hytera SmartGuard Management Software