

FACE TEMPERATURE

THERMO-GRAPHIC ACCESS CONTROL SYSTEM



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OVERVIEW

Integrated Thermo-graphic Access Control which measures facial temperature and immediately detects fever even wearing a mask. It can be configured to grant access or prevent the person from entering depending on the temperature detected on the person's face.

Face which has been detected by Face Temperature device will be sent to the server.

SUITABLE FOR :

- Office Areas
- Hotel
- Access Gates
- Office Buildings
- Schools
- Shopping Malls
- Shops
- Communities
- Public Service
- Management Projects
- Other place where face access control is required



OBJECTIVES



Controlling attendance with face recognition accurately even wearing a mask or glasses



Preventing unknown people from entering public and private premises



Preventing virus spread



Maintaining a safe environment



SOFTWARE



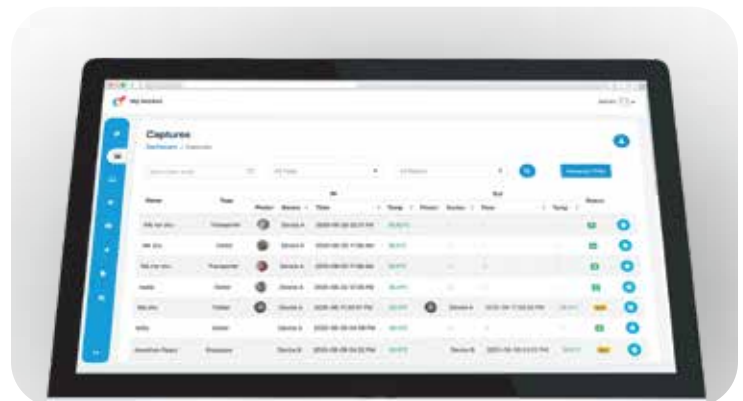
DASHBOARD

This feature display an update about how many registered person, employees, visitor and attendance are.



CAPTURES

This feature display list of person that has been captured by the Face Temperature device. It contains of name, type (description whether the person is employee, visitor or someone else) , photo of the person, device used, time in or out when it is captured, temperature and status as well.



INTEGRATED HARDWARE



Face Detection

With temperature measuring
access control machine



Non-contact automatic body temperature
detection, high-precision infrared
body temperature collection while brushing
face, fast and efficient

Support 22,400 face matching libraries
and 100,000 face recognition records

Automatically identify people without
masks and provide real-time warning

Support temperature data SDK and
HTTP protocol connection

Specification

Hardware	
Processor	3v
Operating System	Static state $\leq 5 \mu\text{A}$; Emitting current
Storage	1.5cm
Imaging Device	433MHz/868MHz
Lens	200m (open air)
Camera Parameters	
Video camera	Binocular camera, support live detection
Effective Pixels	2 million effective pixels, 1920 * 1080
Minimum illumination	Color 0.01Lux @ F1.2 (ICR); black and white 0.001Lux @ F1.2
Signal to noise ratio	$\geq 50\text{db}$ (AGC OFF)
Wide dynamic range	$\geq 80\text{db}$
Face performance	
Face recognition height	1.2-2.2 meters, adjustable angle
Face recognition distance	0.5-2 meters
Perspective	Up and down 40 degrees
Recognition time	$< 500\text{ms}$
Features	Support 22400 face comparison libraries and 100,000 face recognition records
Temperature performance	
Temperature measurement range	30-45 (°C)
Temperature measurement accuracy	± 0.3 (°C)
Temperature measurement distance	0.3-0.8m
Response time	$< 300\text{ms}$

Interface	
Network Interface	RJ45 10M / 100M adaptive Ethernet port
Wiegand interface	Support Wiegand input and Wiegand output, support Wiegand 26 and 34
Alarm Output	1 switching output
USB interface	1 USB interface (can be connected with ID card reader)
General parameters	
Powered by	DC 12V/3A
Equipment power	20W(MAX)
Operating temperature	0°C - +50°C
Working humidity	5 ~ 90% relative humidity, no condensation
Equipment size	123.5 (W) * 45.5 (D) * 266 (H) mm
Equipment weight	1.7 kg



Electronic Magnetic Lock

The EM locks are powered by its excellent consistent holding force and provide a lifetime warranty for its magnet

Specification

Item : EM Lock LED Type

Holding : Up tp 600 lbs (272 kg)

Voltage Input : DC 12V

Current Drawn : 12V>0.48A

Weight : 1.8kg

Magnet Size : 250(L) x 48(W) x 26(H) mm

Armature Size : 180(L) x 38(W) x 11(H) mm

General Features : No Residual Magnetism

IDG-600LED

- +Low Energy Consumption
- +Brushed Anodized Aluminium
- + Adjustable Mounting Bracket

STANDARD OPERATION PROCEDURE

