HMS
Face Recognition System

Basic model: HFR-EKB-2008
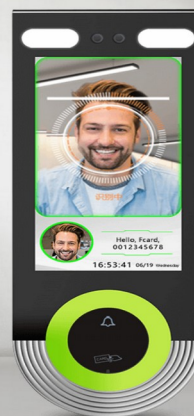Wifi model: HFR-EKB-2008i

DYNAMIC FACE RECOGNITION ACCESS CONTROLLER

Metal Body、20,000 Faces、200,000 Records
5.5-Inch IPS Full-View And HD Display Screen

- 20,000 Faces
- HD Display Screen
- High Speed Identification

FUNCTION

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Multi-Function List

Megapixel HD Camera	HD Display Screen	High Speed Identification	Accuracy Rate: 99.9%	20,000 Faces Capacity
200,000 Records	Binocular Liveness Detection	U Disk To Export Data	Multiple Communication Modes	Access Control Function
Safety Helmet Identification	Voice Prompt	Online Update	Online Update	Local Storage
Multiple People Simultaneous Recognition	LINUX System	1:N/1:1 Comparison	Wide Dynamic Strong Light Suppression	Free Docking Platform

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FCARD

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The first step in a smart life

IPS full viewing angle HD LCD display
Metal body, dust-proof and fog-proof/normal use in outdoor and strong light environment

Intelligent Dynamic Face Access Controller

TEMPERATURE DETECTION

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The Infrared Array Body Temperature Sensor

- Temperature Records
- Mask Identification

No Entry With High Temperature

Temperature: 37.0℃

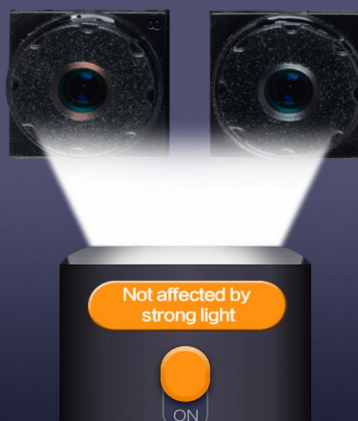# HMS
Face Recognition System

Wide Dynamic Strong Light Suppression

Wide dynamic 2 million HD camera

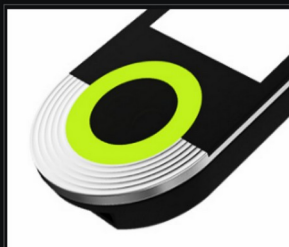Not affected by strong light

Not affected by strong light

ON

0.5-3 meters identification distance

The recognition speed within 3 meters is as low as 0.5s, and the recognition accuracy is as high as 99.9%

01

Body Temperature Detection Sensor

Can quickly remember the people's temprature
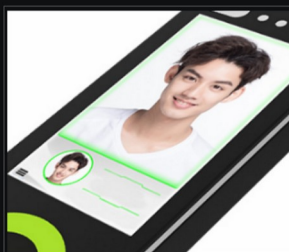
02

HD Binocular Camera

High Speed Identification，Liveness Detection
Wide Dynamic Strong Light Suppression
(Independent ISP Processing)

03

HD LCD Display Screen

5.5-Inch IPS Full-View And HD Display Screen
（1280×720）

04

Two USB Communication Port

Can insert USB disk to import data
Can use U disk to upgrade and backup data

05

Mifare Card Reading Function

Built-in card reading module, support Mifare card,
CPU card, ID card and so on

06

Voice Prompt Function

Opening door prompt
Alarm Prompt

SCREEN

5.5-Inch IPS Full-View And HD Display Screen

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High-Definition Display Screen, The Effect of Display Much More Clearer
Screen Dormancy，Screen Protection, High Speed Recognition Wake-Up Function

IDENTIFY

0.5 Second High Speed Identification

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Accuracy Rate: 99.9%

360-Degree Biometrics Liveness Recognition，Identification Speed≤0.5S

≤0.5s

≤0.5S	99.9%	2 Mega Pixel	360°
High Speed Identification	Recognition Accuracy Rate	HD Camera	Liveness Detection

CAMERA

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2 Mega Pixel HD Binocular Camera

2 Mega Pixel Infrared Liveness Detection Camera
Wide Dynamic Camera, No Distortion, Double Synchronization, Global Exposure

RECOGNITION

Multiple People Simultaneous Recognition

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1：N / 1:1

Can identify four people at the same time

Powerful inner core

CPU adopts 4-core A7/1.2GHZ **GPU** adopts MAL400 II

RAM 1GB DDR3 **storage** 8GB EMMC

Stability performance is greatly improved

20000 sheets	200000 items
Face capacity	Recording capacity

30000-50000 sheets can be customized

1GB DDR3	8G EMMC

COMMUNICATION

TCP/IP Communication Mode

Hello, Fcard,
0012345678
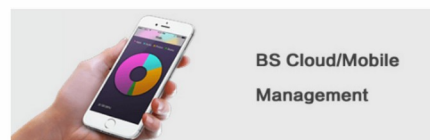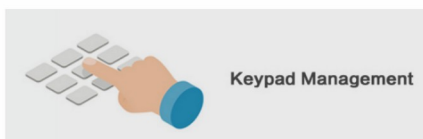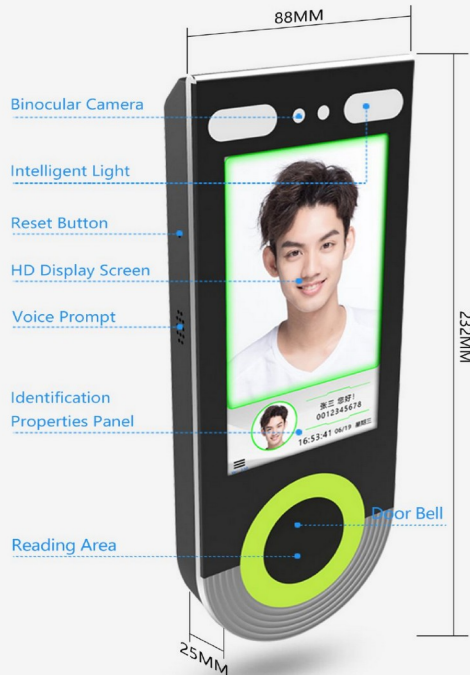
6:53:41 06/19 Wednesday
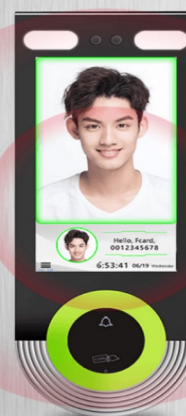
Touch Screen Keypad Management

Three Types of Management

Keypad Management、CS System Management BS Cloud/Mobile Management

More Convenient And Practical

Keypad Management

CS System Management

BS Cloud/Mobile Management

Appearance Diagram

- Binocular Camera
- Intelligent Light
- Reset Button
- HD Display Screen
- Voice Prompt
- Identification Properties Panel
- Reading Area
- Door Bell

88MM
232MM
25MM

Model	Body Material
HFR-EKB-2008 Dynamic Face Recognition Access Controller	Zinc Alloy Body
Working Voltage	**Working Temperature**
DC12V/2A (DC(9V-14V)	-10℃ to 70℃
Display Screen	**CPU**
5.5-Inch IPS Full View HD Screen	4CoreA7 1.2GHZ
Storage Capacity	**GPU**
1GB DDR3 + 4GB EMMC	MAL400 II
Communication Way	**Operation System**
(WIFI Communication can be ordered)	LINUX
Camera	**Liveness Detection**
Wide Dynamic Binocular 2 million HD Camera	Support
User Capacity	**Records**
20000 Faces + 20000 Cards	200,000 Records
Recognition Way	**Identification Speed**
1: N / 1:1	≤0.5s
Wiegand Function	**Working Humidity**
One Group of Wiegand Input/Wiegand Output (26/34)	10%-90% RH
Size	**Weight (Manual Measurement)**
232×88×25mm	0.5KG

Wiring Diagram

HMS
Face Recognition System
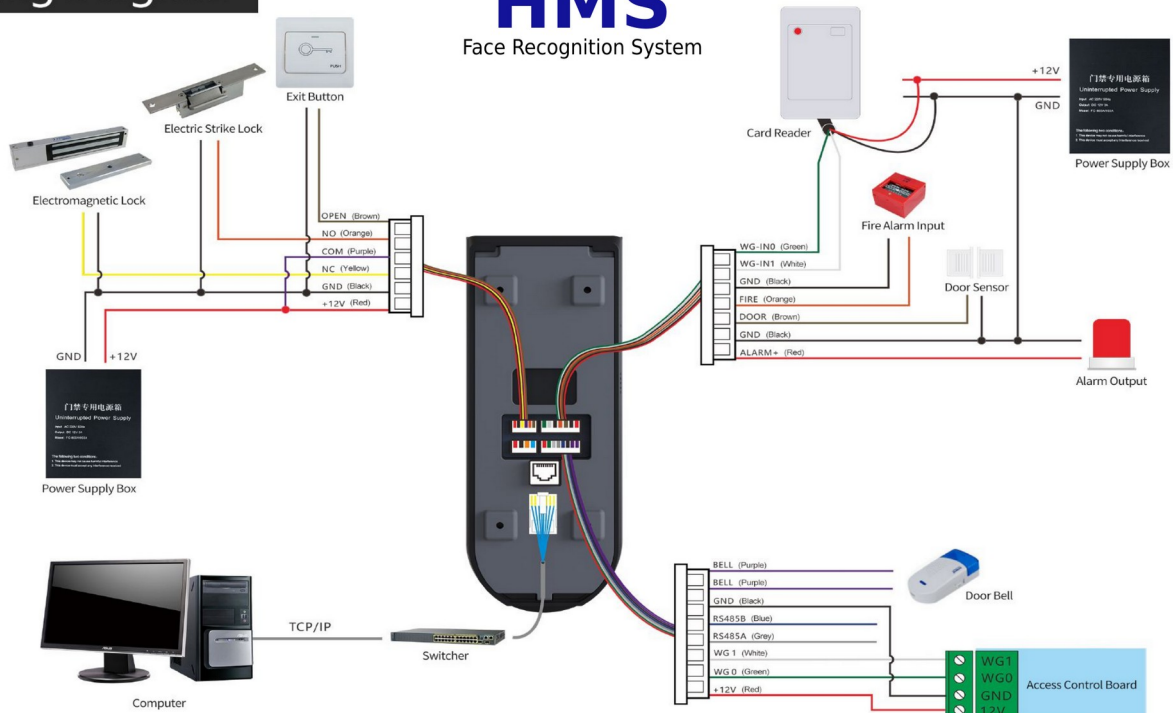
Wiring Requirements:
- AC220V power wire: recommend to use 3x1.0mm (or above) wires to prevent electricity leakage. The ground wire of the power wire is recommended to be grounded.
- Electric lock wire: must use 2x1.0mm (or above) wire, the maximum length of the cable shall not exceed 50 meters.
- TCP/IP communication wire: please use standard network cable, the maximum length of the cable shall not exceed 100 meters.
- Door sensor and exit button wire: recommend to use 2X0.5mm (or above) wire, the maximum length of the cable shall not exceed 100 meters.

REMARK
- Power on, locked: (electric bolt lock or electromagnetic lock) correct connection: the positive electrode of the electric lock connects to the +12 port of power supply port, the negative eletrode of the electric lock connects to the NC port of the controller, the COM port of controller connect to the GND port of power supply.
- Power on, unlocked: (electric control lock or electric lock port) correct connection: the positive electrode of the electric lock connects to the +12 port of power supply port, the negative eletrode of the electric lock connects to the NO port of the controller, the COM port of controller connect to the GND port of power supply.