RAKINDA IOT Technology Co. Ltd.		File	Version	Secret
			V1.0	Top Secret
File Name	Facial Device F2-FHS Manual		Date	2020.04.23

F2-FHS Face Recognition Body Temperature Integrated Machine (with QR code reader、IC Card Reader)

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Application Scenario

It is suitable for thousands of people's office areas, hotels, access gates, office buildings, schools, shopping malls, shops, communities, public services and management projects that require face access control.

Product Features

· Dynamic dual-camera anti-counterfeiting, completely solve the deception of various photos on various carriers
· Dual infrared and RGB fill light at night; Infrared temperature measurement, optional mask recognition
·Support external access control card reader, IC card reader
· Support RS-485 serial port, Wiegand 26/34 output interface, support relay, door switch, door magnetic output content
·Support 29,000 people to store historical records locally
·Support public network and local area network deployment
·Support HTTP interface connection
·Support screen display content configuration
·Support identification distance configuration

Identification height 1. 2-2.2 m
Identification distance 0.5- 1.5m (temperature test distance)
Recognition technology: Near-infrared live detection, embedded visible light face recognition, adapt to most indoor and outdoor environments, can quickly recognize on the move
5°C Accurate temperature detection: 2-3 seconds per person-time temperature detection accuracy
Status display Name broadcast display, custom information broadcast display

Product Specification

Face Recognition Temperature Measure all-in-one Machine		
Product model	F2-FHS	
Characteristics	Main function	Face recognition temperature measurement	
	Use environmen	Indoor , semi-outdoor	
	Color	Silver	
Camera	Type	RGB	Infrared
	Resolution	2 million pixels	2 million pixels
	Aperture	F2.8	F2.8
	Focal length	3.18mm	3.18mm
	Software Dynamic	automatic	automatic
	Vertical wide angle	84°	84°
	Horizontal wide angle	54°	54°
	Infrared supplement light	Support	
	White supplement light	Support	
Core parameters	Android	Android7.1	
	CPU	Quad-core, 1.8GHz	
	storage capacity	RAM 2G ROM 8G	
	Monitor	8 inches, full viewing angle, 170 ° IPS LCD screen, resolution 800 * 1280	
	Touch screen	support	
	Face sensing module	support	

Human-comput er interaction	Face temperature measurement module	support，Serial / I2C interface
	Card reader	Support, Optional
Communication method	Ethernet	10/100 Ethernet
	WIFI	Comply with IEEE802.11b / g / n standard (2.4G)
Identification Method	Face	Support
	IC card	Support, optional
Input \ output interface	RJ45 interface	Support 10/100 Mbps
	Power supply interface	DC12V-2A
Power	Adapter	DC12V-2A
Environmental requirements	Operating temperature	-20℃～60℃
	Working humidity	20%~90% (non-condensing)
	Static protection level	IEC61000-4-2, LEVEL3

External Interface Definition		
Type	Interface	Explanatio n
USB	USB 2.0	Support
Ethernet port	RJ45	10/100 Ethernet
Rela y	NC COM NO	Relay normal off/Common/normal on.Usually,door lock supply is positively connected to the COM port,and then according to the door lock type,relay power negatively connected NO port or NC port. Note: Maximum load of relay contact is 2A
Gate sensor	IN GND	Check door open/close status, input
Exit button	PUSH1 GND	Press the button,door opening control signal,input
	RX	

Serial	TX	RS232
Output power	5V	Support device external output 5V
	GND	
Wiegand	WG_D1	Wiegand output interface, support 26bit / 34bit protocol
	WG_D0	
	GND	
Input power	GND	Power input：12V DC
	12V+	
Temperature measurement module	Operating temperature	0℃ ~ +55℃
	Storage temperature	-20℃ ~ +65℃
	Power consumption	< 0.3w
Basic Parameters	Pixel	32*32 Real-time temperature output
	Measurement accuracy	I + 0.5℃
	Measuring distance	0.3 ~ 1.0m
	WIFI	2.4G 802.11b/g/n
	Bluetooth	BluetooH4.0