

Face Recognition F2-TH Long-range Infrared Temperature
Measurement Product Manual

Shenzhen Rakinda Technologies Co., LTD	File No.	Versio n	Top Secret
	F2-TH	VI. I	Confidential
File Name	Facial Device F2-TH Manual		Date 2020.01.29

**Facial Terminal
F2-TH
Manual
Infrared Temperature Measurement& Optional
Mask Recognition**



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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, ID 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

Face Recognition Integrated terminal			
Product Model		F2-TH	
Size		8 inch, full viewing angle, 170 degree IPS LCD screen	
Screen Resolution		800*1200	
Camera	Type	RGB	Infrared
	Resolution	2 million pixels	
	Aperture	F2.8	
	Focal Length	3.18mm	
	White Balance	Automatic	
	Wide Dynamic	Support	
	Vertical Wide Angle		
	Horizontal Wide Angle		
Basic	Operating System	Android7.1 or above	
	Equipment Power	DC12V(±10%)3A	
	Equipment Power Consumption	15w MAX	
	Relative Humidity	0% □ 90%(In a non-condensing state)	

specifications	Operating Temperature	-20 ~60(Wall-mounted design: the junction with the eight or six boxes is not waterproof, and a ceiling is required)
	Protection Cass	IP55
	Use Environment	Indoor/Ourdoor
	Equipment Size	275.2mm*123.2mm*30.2mm
Hardware Configuration	Identification Method	Brush Face
		Mifare card (optional: external purchase module required)
		Resident ID card (optional: external purchase module required)
	Face recognition parameters	Face verification accuracy >99%
		Face recognition distance 0.5m-1.5m
		Face ID card comparison time 600MS
		Local capacity 20,000 sheets
	Port	Micro USB 1pcs
		RJ45 Gigabit 1pcs
		Relay, Wiegand Interface, RS-485,Door Sensor, Door Switch
Support	Infrared/White Fill Light,	
Basic Parameters	Indicator Light	Support authentication success, Green light prompt; Authentication failure, Red light prompt
	WIFI	2.4G 802.11b/g/n
	Bluetooth	Bluetooth4.0
	4G LTE	Full Netcom (optional: custom purchase required)
Temperature Measurement Module	Operating Temperature	-20℃ ~ +85℃
	Storage Temperature	-40℃ ~ +85℃
	Power Consumption	< 0.3w
	Pixel	32*32 Real-time temperature output

	Measurement Accuracy	$\pm 0.5^{\circ}\text{C}$
	Measuring Distance	0.5 ~ 1.5m