T-Chip Intelligence

Face X2

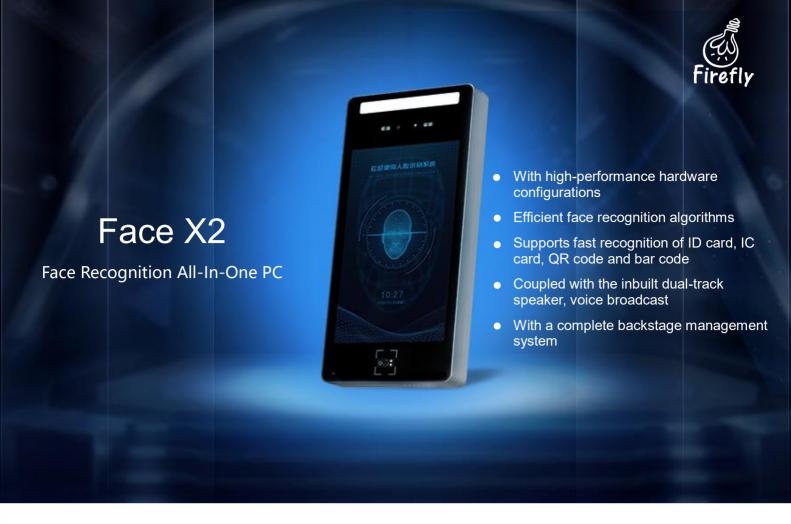
Face Recognition All-In-One PC





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High-performance Processor

Adopts RK3399 six-core 64-bit "server-level" processor, frequency up to 1.8 GHz, integrates quad-core Mali-T860 GPU.



Quick Recognition, Accurate Verification

Its recognition speed is less than 200ms and recognition accuracy is more than 99.77%.



Card-swiping Recognition

It can recognize ID card and IC card accurately, realizing ID-selfie matching, card-swiping gate access control and attendance checking



Code-scanning Recognition

It supports the fast recognition of scanning mainstream QR codes and bar codes. It can be applied to check-stand scanning, ticket scanning and payment scanning, etc.



Dual-track Speaker

ith the inbuilt dual-track speaker, it supports TTS voice broadcast which can intelligently translate words into natural speech flows in real-time



IPS Touch Screen

With 8-inch fully fitted IPS screen, 800x1280 resolution, full-view HD display, vivid color reproduction, clear and smooth picture. It supports multi-touch which is sensitive and stable



Aluminum Waterproof Case

Equipped with an all-aluminum alloy case, It can run steadily 7x24 hours when aging at a high temperature of 60°C. With the dust-proof and waterproof level of IP54



Non-contact Infrared Thermometry

It can be equipped with the infrared temperature probe to achieve the quick non-contact temperature measurement



Flexible Backstage Management

It is equipped with the well-developed APK and PC backstage management software of face recognition and mobile phone management software (WeChat mini programs)



Multiple Installation Methods

It can adopt wall-mounted, desktop-mounted or column-mounted as a way of the installation, which is simple and convenient to install and can be applied to various scenes quickly.

Product introduction



1. High-performance Processor

Adopts RK3399 six-core 64-bit "server-level" processor, frequency up to 1.8 GHz, integrates quad-core Mali-T860 GPU. It supports multi-format video coding and decoding, and has better processing performance.



2. Quick Recognition, Accurate Verification

It matches multiple face recognition algorithms well and has a high response and detection speed. Its recognition speed is less than 200ms and recognition accuracy is more than 99.77%.



Product introduction



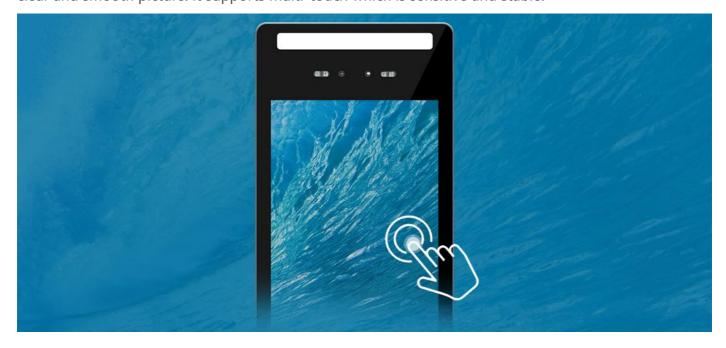
3. Flexible Backstage Management

It is equipped with the well-developed APK and PC backstage management software of face recognition and mobile phone management software (WeChat mini programs), which can be applied to projects directly.



4. IPS Touch Screen

With 8-inch fully fitted IPS screen, 800x1280 resolution, full-view HD display, vivid color reproduction, clear and smooth picture. It supports multi-touch which is sensitive and stable.



Product introduction



5. Card-swiping Recognition

It can recognize ID card and IC card accurately, realizing ID-selfie matching, card-swiping gate access control and attendance checking. It can be applied to gate access control in residential areas, check on work attendance and high-speed rail ticket check, etc.



6. Code-scanning Recognition

It supports the fast recognition of scanning mainstream QR codes and bar codes. It can be applied to check-stand scanning, ticket scanning and payment scanning, etc.

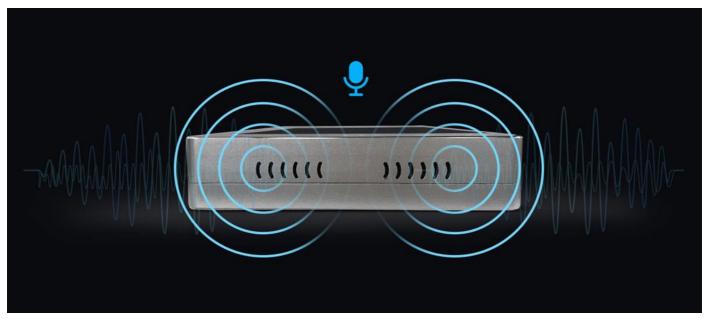


Product introduction



7. Dual-track Speaker

With the inbuilt dual-track speaker, it supports TTS voice broadcast which can intelligently translate words into natural speech flows in real-time. It can be applied to the Human-Computer Interaction scenes like voice broadcast and voice reminder.



8. Non-contact Infrared Thermometry

It can be equipped with the infrared temperature probe to achieve the quick non-contact temperature measurement, reduce the contact infection at close range and screen the abnormal body temperature efficiently.



Product introduction



9. Aluminum Waterproof Case

Equipped with an all-aluminum alloy case which through 38 process flows and features a matte surface. The case conducts heat effectively despite its fanless design. It can run steadily 7x24 hours when aging at a high temperature of 60°C. With the dust-proof and waterproof level of IP54, it can effectively avoid the damage of the splashing water in all directions and thus meet the requirements for use of indoor and outdoor environment.



10. Multiple Installation Methods

It can adopt wall-mounted, desktop-mounted or column-mounted as a way of the installation, which is simple and convenient to install and can be applied to various scenes quickly.



Product introduction



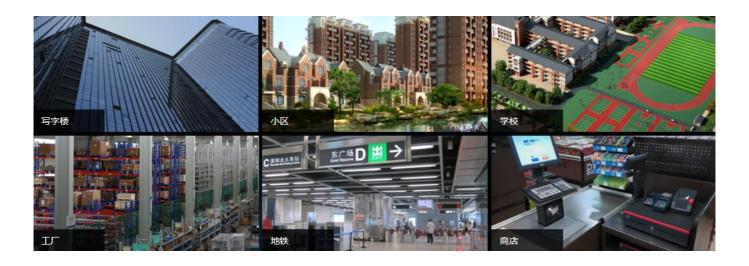
11. Rich Expansion Interfaces

It supports various expansion interfaces like Wiegand 26/34 input and output, RS232, RS485, relays, Ethernet, USB HOST and USB OTG.



12. Application

Widely applicable to office buildings, residential areas, campuses, construction sites, factories and other scenes which require gate access control, attendance checking and face-scanning payment.





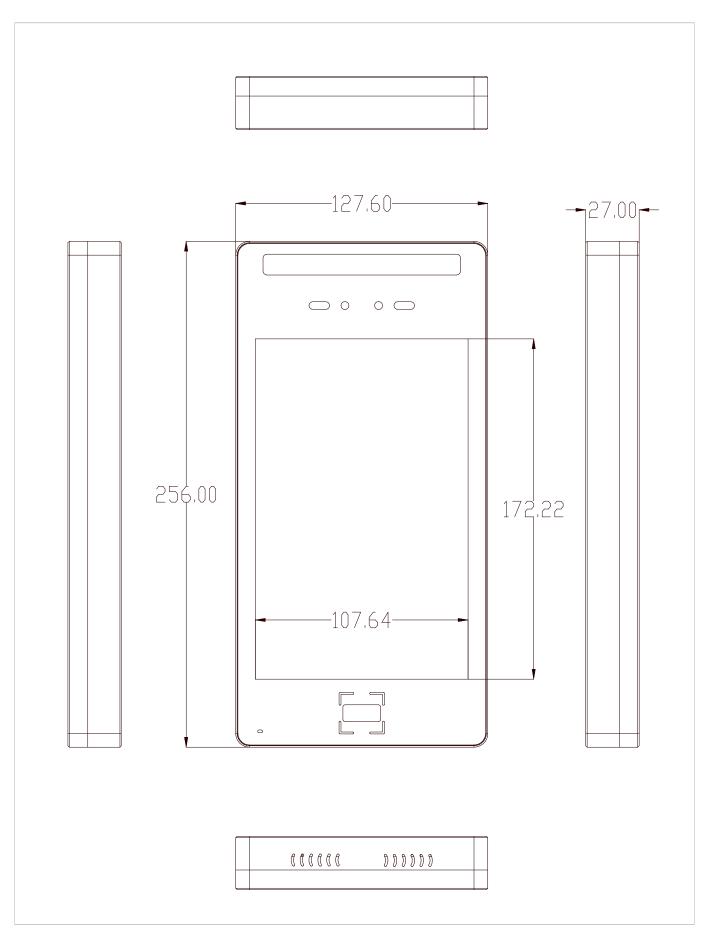
Technical parameter

Coross	Size	8-inch, full-view, IPS LCD screen	n	
Screen	Resolution	800 × 1280		
Binocular Camera	Туре	RGB Camera	IR Camera	
	Sensor	1/2.7"CMOS	1/2.7"CMOS	
	Resolution	2 million pixels (1920×1080)	2 million pixels (1920×1080)	
	Minimum	, , ,	, , ,	
	illumination	≥0.1LUX at F1.8	≥0.1LUX at F1.8	
	Frame rate	30fps	30fps	
	Signal-to-noise ratio	≥45dB	≥45dB	
	Output format	MIPI 8bit YUV422	MIPI 8bit YUV 422	
	White balance	Automatic	Automatic	
	Write Datafice	≥100dB wider dynamic range	Adiomatic	
	Wide dynamic	suitable for various complex light environment	-	
	Vertical wide angle	Height 65°	Height 65°	
	Horizontal wide angle	User Area 1.5M 40° Wall Face Gate	User Area 1.5M 40° Face Gate	
		RK3399 six-core 64-bit 1 8GHZ proce	essor (Dual-core Cortex-A72+ Quad-co	
	CPU	Cortex-A53)	boot (Budi colo Collox / 1/2) Quad co	
	RAM	2GB LPDDR4		
	Storage	16GB eMMC, Support TF card expansion		
	Fill light	White fill light, IR fill light, Red and green indicator light		
	Wireless network	2.4GHz WiFi, support 802.11 b/g/n protocol 3G/4G LTE network (optional)		
	Wired network	10 / 100M Ethernet		
Feature	Distance sensing	Radar distance sensing (sensing distance 0.2-4m)		
	MIC	Digital noise reduction audio, High-sensitive capacitor mic		
	Card reading (Optional)	NFC / IC card reading function, non-contact IC card conforming to iso14443 13.56MHz type A & B		
	QR code recognition (Optional)	QR code/ Barcode recognition function, quickly and easily read 1D / 2D barcodes in various applications		
	ID card	SAM module of the Ministry of public security, which can read the		
	recognition (Optional)	second-generation resident identity card, Hong Kong, Macao and Taiwan residence permit, and Foreigner Residence permit		
	4G LTE module (Optional)	Support 3G/4G LTE network		
	Wiegand	Wiegand 26 /34 input, Wiegand 26 /34 output, RS232, RS485, Relay		
	USB	USB 2.0 Host x 1, USB 2.0 OTG x 1		
Interface	RJ45	RJ45 (10 / 100M Ethernet)		
	Power	DC 5.5mm * 2.5mm		
	Face recognition Stranger detection	1 : N recognition accuracy 99.7% Support		
Software	Face anti-spoofing	Support		
Jonwald	UI interface configuration	Support		
	Remote upgrade	Support		
	Deployment method	Support LAN, public network use		
	Power	DC 9-16V 3A		
	Power	About 18w		
	consumption Operating			
O41-	temperature	-10°C ~ 60°C		
Other	Operating humidity	10% ~ 90 %RH(non-condensing)		
	Size	256 mm × 127.6 mm × 27 mm		
	Protection level	IP54 protection		
	Installation	column-mounted, wall-mounted		

column-mounted, wall-mounted

Installation



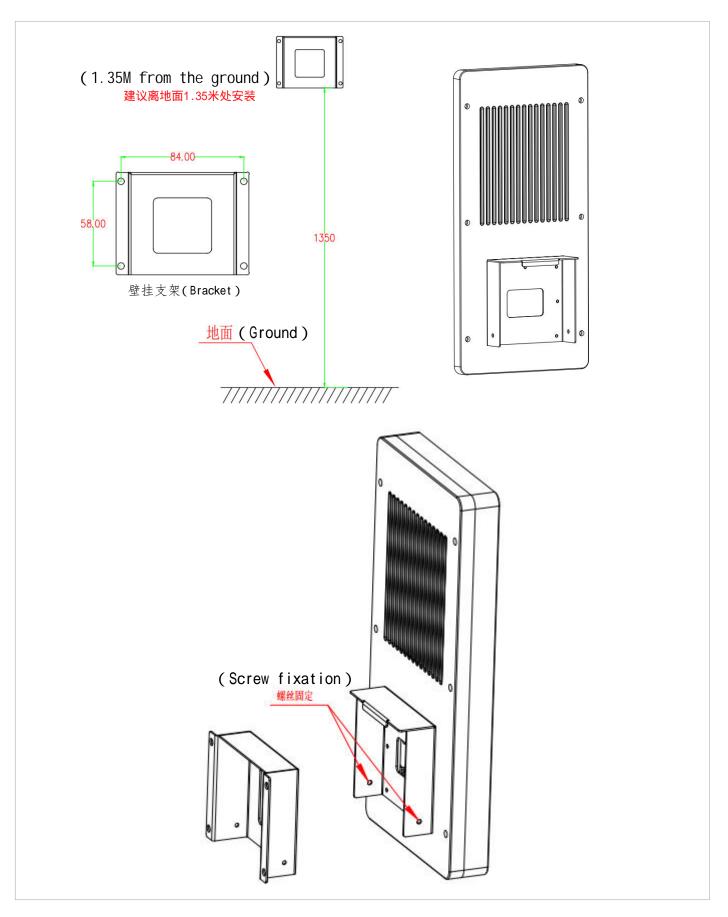






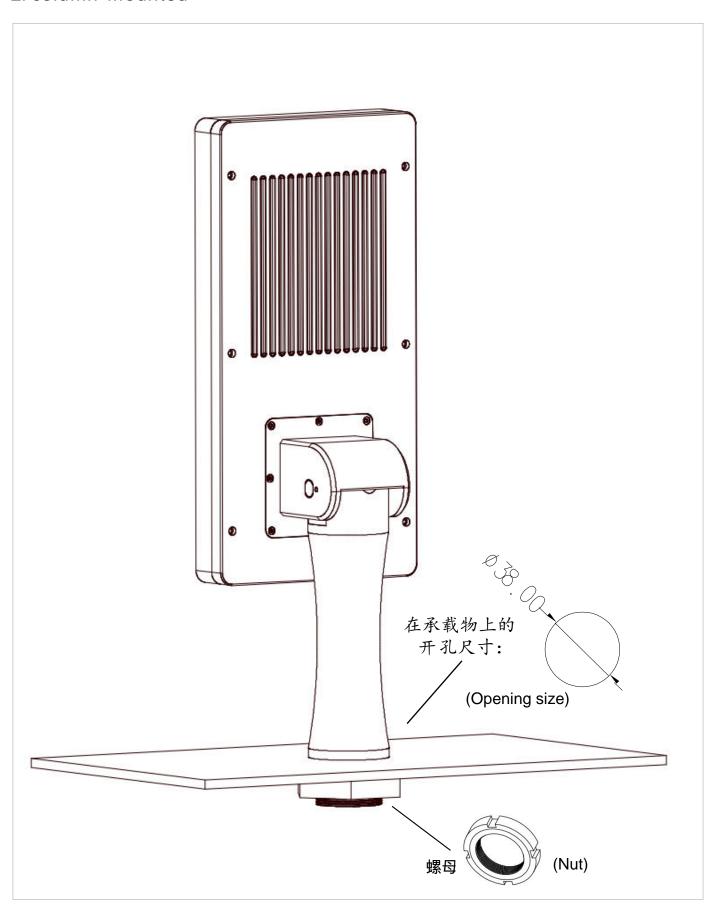


1. wall-mounted





2. column-mounted



Infrared Thermometry



Infrared Thermometry

It can be equipped with the infrared temperature probe to achieve the quick non-contact temperature measurement, reduce the contact infection at close range and screen the abnormal body temperature efficiently.

Main Features:

1. Adopt a high-precision probe with reliable performance

2、Thermometry distance: $30 \sim 50$ cm 3、Thermometry range: $32 \sim 42.9$ °C

4. Using compensation algorithm, accurate to ±0.3°C, approach to ±0.2°C

5. Enter the measurement area for 2S, the temperature value is the measured body temperature.

Description:

Parameter	Index	
Sensor	Infrared temperature sensor	
Measuring	Non-contact measurement	
Angle	35° * 35°	
Working temperature	15 ~ 35 °C	
Humidity	20-80 %RH	
Range	Standard atmospheric pressure ±10%	







Face X2





壁挂支架×1



DC5.5*2.5电源线



RJ45转PH2.0-4P数据线



USB HOST PH2.0-4P数据线



韦根PH2.0-5P数据线



12V-3A桌面式电源×1



USB OTG PH2.0-4P数据线

About US



Company introduction

T-Chip Intelligent Technology Co., Ltd. was founded in 2005. It is a national high-tech enterprise. We focus on the research and development, design, production and sales of open source intelligent hardware, internet of things and digital audio products, and provide the overall solution for intelligent hardware products meanwhile.

The open-source brand "firefly" has an open-source community and online shopping mall on the Internet. At present, it has more than 200000 users and more than 5000 enterprise users, accelerating the R & D process for many technology entrepreneurs and start-ups, and providing professional technical services.

T-CHIP INTELLIGENCE TECHNOLOGY CO.,LTD.

Website: www.t-firefly.com

Tel: 4001-511-533 Zip Code: 528400

Addr: Room 2101, Hongyu Building, #57 Zhongshan 4Rd, East District, Zhongshan, Guangdong, China.

Business communication

E-mail: sales@t-firefly.com

Shopping Mall

store.t-firefly.com t-firefly.taobao.com

WeChat

