

# 10.1 inch touch screen access control machine

## Model

P102



## Applicable scene

Widely used in office buildings, schools, communities, factory parks, construction sites, shopping malls, hospitals, subway stations, etc.

## product description

10.1 inch touch access control machine, using industry-leading visible light + near-infrared binocular camera design, relying on deep learning face recognition technology, applying the industry's top live detection algorithm, and providing face recognition identity access authority management On the basis of accurate prevention of live anti-counterfeiting such as photos, videos, and facial images. Optional capacitive multi-touch touch screen, built-in under-screen IC card reader, support: IC card, face, IC card + face recognition and other application modes, support QR code scanning (QR code opening, etc.) ) Full access to management personnel.

### ➤ Main features

#### ● Face recognition

Support binocular live detection technology to effectively prevent attacks on photos, videos, models, etc.; 99.5% recognition rate; face recognition time <500ms;

Support 2 personal face database management, support up to 50,000 face databases; support multiple arming time period settings; support effective recognition under various harsh links such as strong light, backlight, and starlight

● Voice broadcast: support face recognition verification result broadcast, abnormal broadcast, swipe card prompt broadcast

● Support up to 100,000 records that can be saved and exported, which is convenient for

backtracking

- Under-screen IC card recognition: freely switch between IC card, face recognition, IC card + face recognition mode
- Support QR code scanning and detection;
- Support advertising playback;
- 10.1 inch capacitive multi-touch touch screen;

## Specifications

hardware	
processor	Dual-core processor + 1G memory + 8G EMMC
operating system	Linux operating system
webcam	Binocular, 2.1 million effective pixels, 1920*1080
Imaging device	1/2.8" Progressive Scan CMOS
Lens	4.5mm focal length
speaker	Support face recognition verification results broadcast, or abnormal broadcast, successful swipe card prompt broadcast
touch screen	Capacitive multi-touch touch screen, support local quick parameter setting and face list database entry and management
Video ad	Support MP4 format
QR code reader	Recognize various types of one-dimensional barcodes and mainstream QR codes
performance	
Recognition height	1.2~2.3 meters, adjustable angle
Recognition distance	0.5~1.5m
Face angle	30 degrees left and right, 30 degrees up and down
Recognition time	Less than 0.3 seconds
storage capacity	100,000 snapshot records

Face capacity	50,000 sheets	
Credit card type	Swipe under the screen: support IC/ID/NFC/ID card physical ID	
interface		
power input	DC12V	
Network Interface	RJ45 10M/100M Adaptive Ethernet port	
Wiegand interface	Support 1 Road Wiegand output, support Wiegand 26 and 34. Support 1 Road Wiegand input	
Alarm interface	1 fire alarm input	
Door sensor interface	1 channel door sensor interface input	
Door opening interface	1 door open interface input	
Doorbell interface	1 channel doorbell interface output	
Door lock interface	1 way door lock interface output	
Communication Interface	1 RS485 communication interface	
USB接口	1 way USB interface	
Camera parameters		
Video camera	Binocular camera, full glass lens, visible light and near infrared, support live detection	
Effective Pixels	2.1 million effective pixels, 1920*1080	
Minimum illumination	Color 0.01Lux @F1.2 (ICR); black and white 0.001Lux @F1.2 (ICR)	
Signal-to-noise ratio	≥50db (AGC OFF)	
Wide dynamic	120db, partial exposure of ISP algorithm face	
Video encoding	H. 265 Main Profile encoding/H. 264 BP/MP/HP encoding/MJPEG encoding	
Dual stream resolution	Main stream	50Hz: 25fps (1920×1080, 1280×720)
		60Hz: 30fps (1920×1080, 1280×720)
	Secondary stream	720*576, 1-25(30) frames/sec/640*480, 1-25(30) frames/sec 320*240, 1-25(30) frames/sec

General parameters	
Operating temperature	-10°C - 55°C
Working humidity	0~90% relative humidity, non-condensing
equipment power	20W (MAX)
Salt spray grade	Rp6 级以上
Antistatic	Contact ±6KV, air ±8KV
powered by	DC12V
Protection level	IP65
Screen specifications	10.1 inch HD IPS screen
Equipment size	160 (width) * 20 (thickness) * 271 (height) mm
equipment weight	1.5kg

## Interface Description

