

7Inch Facial Recognition Access Control Entry System All in One Machine

Product Model

D701

Application scenarios

Access gate, intelligent guarding, and face verification of the Ministry of Public Security, etc.

Main Features

Support binocular live identification

Support dynamic face tracing exposure under strong backlighting condition

Unique facial recognition algorithm to accurately recognize faces, facial recognition time < 0.5 seconds

Built-in domestic CPU

The system is running stable which adopts LINUX OS.

H.265 encoding format video streaming directly connects NVR etc storage devices by ONVIF and GB28181 protocol

Support TF card local storage, image contiguous blocks of storage for 1 year, video contiguous blocks of storage for 1 month or more (related to optional TF card capacity)

Average faultless runtime MTBF>50000H

10000+ face comparison library and 60,000 identification records

Interface protocols are rich and support TCP/IP, UDP, RTP, RTP, RTP, RTCP, HTTP, DNS, DDNS, DHCP,, SMTP, UPNP, MQTT protocols under various platforms such as Windows/Linux

Working temperature $\pm 30^{\circ}\text{C}$ -60°C

IP66 rated waterproof and dust resistant

Built-in light-sensitive sensor for automatic adjustment of light intensity
V1.1.0



Abundant hardware interfaces (I/O, WG26, WG34, RJ45, door contact, doorbell, door opening, alarm, RS485)

7-inch IPS full-view HD display, no image slurs, no latency

Automatic gain, automatic white balance, so that the real color of the image returned to the original condition

3D noise reduction and through the fog technology make the monitoring image under low illumination more clear and delicate

Support code stream and I frame interval setting

Support partial shielding of video region

Support ROI coding

Support maximum exposure time setting

Support smart phone monitoring settings

Support 2D noise reduction, 3D noise reduction

Support video planning time periods and upload settings

Support video brightness, contrast, tone, saturation, gamma adjustment

Support the maximum autoexposure time

Support intelligent face exposure, face smart enhancement settings

Specification Parameters

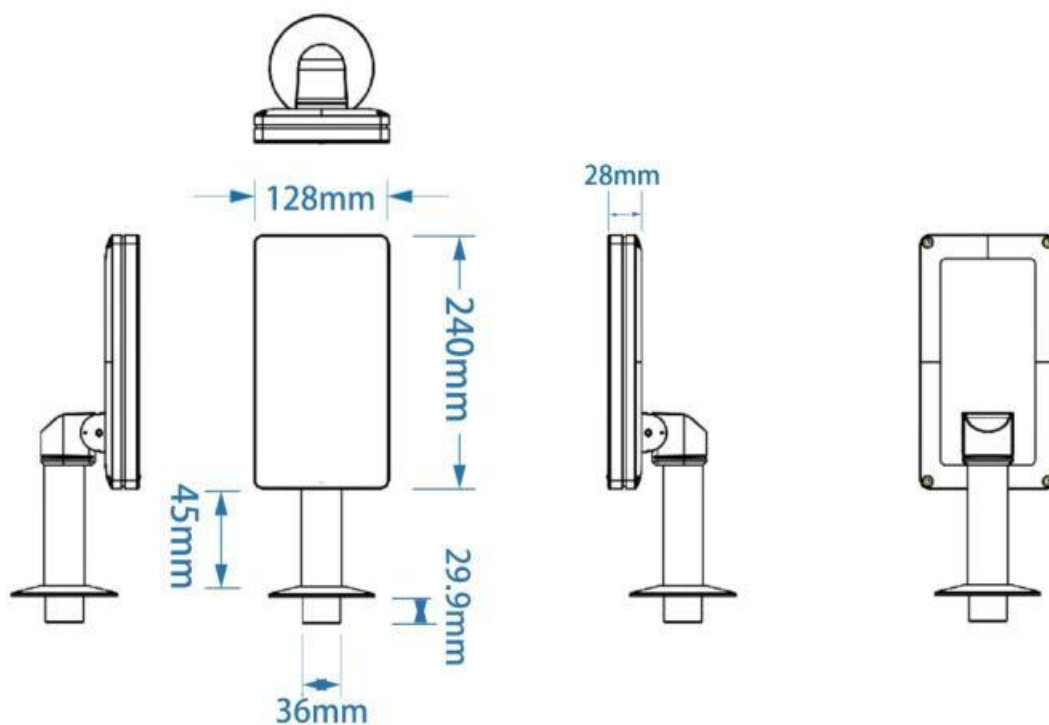
Specification Model	D701
Hardware	
Processor	Domestic Dual-Core Processor +1G Memory +8G Flash Memory
Operating system	Linux OS
Storage	Support for TF card storage (optional)
Camera	Binocular, 2.1 million valid pixels, 1920*1080

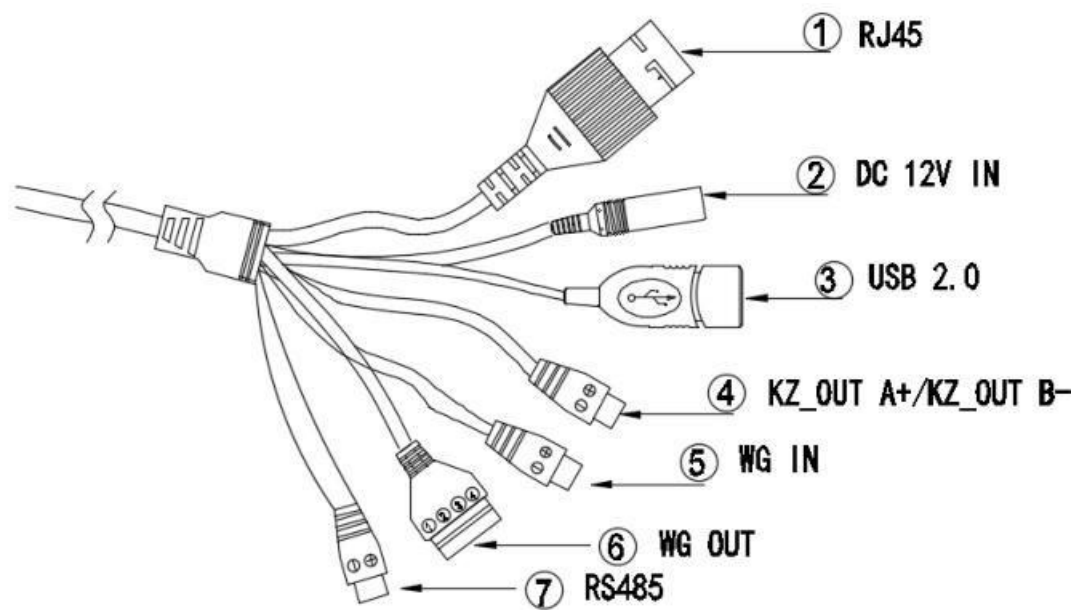
Imaging Device	1/2.8" Progressive scan CMOS
Lens	6mm
Speakers	Standard, voice playback content can be customized
Functional Options	
ID Card Reader	Option, external device
QR Code Reader	Option, external device
Performance	
Recognition Height	1.2~2.2 meters, adjustable angle
Recognition distance	0.5~1.5m, variable depending on the lens
Face angle	30 degrees left and right, 30 degrees up and down
Recognition time	Less than 0.5 seconds
Storage	60,000 snapshot records
Face capacity	10000 faces
Interface	
I/O output	1 I/O output, other GPIO ports can be customized
Network Interface	1 RJ45 10M/100M Adaptive Ethernet port with customized Gigabit port
Wiegand Interface	1 Wiegand Interface Output, 1 Wiegand Interface Input
USB interface	1 USB port as USB device
Communication Interface	1 RS485 communication interface
Camera Parameters	
Camera	Binocular camera, all-glass lens, visible and near-infrared, support for live detection
Valid Pixels	2.1 million valid pixels, 1920*1080

Minimum Lighting	color 0.01lux @F1 .2 (ICR); black-and-white 0.001lux @F1 .2 (ICR)	
Signal to noise	$\geq 50\text{db}(\text{AGC OFF})$ $\geq 50\text{db}(\text{AGC OFF})$	
Wide Dynamic	120db, ISP algorithm face partial exposure	
Video encoding	H.265 Main Profile Code/H.264 BP/MP/HPCode/MJPEGCODE	
Dual code stream resolution	Master Code Stream	50Hz: 25fps (1920 × 1080, 1280 × 720)
		60Hz: 30fps (1920 × 1080, 1280 × 720)
	Subcode Stream	720*576, 1-25 (30) frames/640*480, 1-25 (30) frames/sec 320*240, 1-25 (30) frames/sec
Function		
Webpage Configuration	Support	
Device Remote Upgrade	Support	
Deployment mode	Supported both public network and LAN use	
General Parameters		
Operating temperature	-30℃ - +60℃ -30℃ --+60℃	

Working humidity	0 ~ 90% relative humidity, no condensation
Salt spray grade	Rp6 or above
Antistatic	Contact $\pm 6KV$, air $\pm 8KV$
Power supply	DC12V/2A
Explosioin-proof grade	IK06
Protection rank	IP66
Consumption	14.4W(MAX)
Device Dimensions	128(length) * 28(width) *240(thickness)mm
Pillar aperture	36 mm
Screen specs	7" HD IPS Screen
Device Weight	1.5KG

Product size





Interface Definition

Sequence	Names	Quantity	Remarks
1	Network port	1	RJ45
2	Power	1	DC12V IN
3	USB	1	USB 2.0
4	Switching output	1	Switch output interface A+/B-
5	Weigen protocol input interface	1	① D0 ② D1
6	Weigen Protocol output interface	1	① vcc12V ② GND ③ D0 ④ D1
7	RS485	1	① 485- ② 485+

Multiple installation mode



wall mounted



Desktop



Gate type



Column type