

8-inch face recognition access control machine

Product type

D802

Applicable scenarios

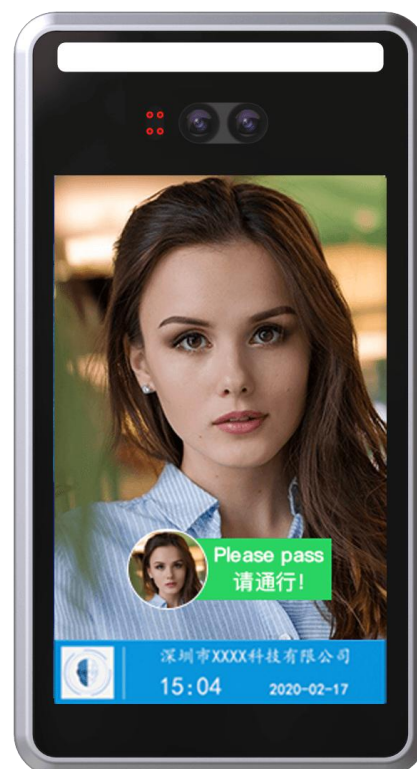
Widely used in office buildings, conference rooms, communities, factory parks, construction sites, hospitals, underground stations and many other areas

Key features

- Support binocular live detection
- Support for tracking and exposure of people's movement and face under strong backlight environment
- Unique face recognition algorithm, accurate face recognition, face recognition time is less than 0.5s
- Built-in domestic CPU
- Using LINUX operating system, the system is stable
- H.265 encoding format video stream is directly connected to NVR and other storage devices through ONVIF protocol and GB28181 protocol
- Support TF card local storage, continuous storage of pictures for 1 year, continuous storage of videos for 1 month or longer (depending on the optional TF card capacity)
- Mean time between failures MTBF>50000h

Support 24000+ face comparison library and 160,000 recognition records

- Rich interface protocols, supporting TCP/IP, UDP, RTP, RTSP, RTCP, HTTP, DNS, DDNS, DHCP, SMTP, UPNP, MQTT protocols under multiple platforms such as Windows/Linux
- Working temperature: -30℃-60℃



- IP66 waterproof and dustproof
 - Rich hardware interfaces (I/O, WG26, WG34, RJ45, USB)
 - 8-inch IPS full viewing angle high-definition display, no image smear, no delay
 - Automatic gain and automatic white balance, so that the true color of the image can be restored naturally
 - Built-in special black light sensor for video surveillance, low-light recognition is more accurate
 - 3D noise reduction and fog penetration technology make the monitoring picture under low illumination more clear and delicate
 - Support code stream and I frame interval setting
 - Support partial shielding of video area
 - Support ROI coding
 - Automatic white balance, manual white balance
 - Support the maximum exposure time setting
 - Support mobile phone monitoring settings
- Support 2D noise reduction, 3D noise reduction
- Support recording plan time period and upload method setting
- Support video brightness, contrast, hue, saturation, gamma adjustment
- Support to set the longest automatic exposure time
- Supports intelligent face exposure and face intelligent enhancement settings

Specifications

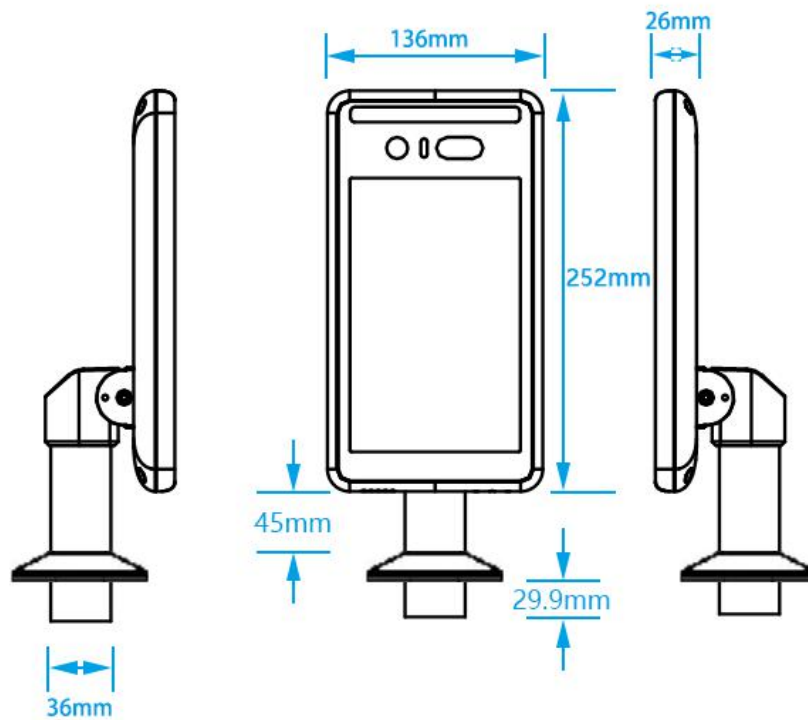
Product number	D802
Hardware	
Processor	Dual-core processor + 1G RAM + 16G EMMC
Operating systems	Embedded Linux operating systems

Storage	TF card storage support
Perspectives	Vertical viewing angle: 30° ; horizontal viewing angle: 30°
Imaging devices	1/2.8" Progressive Scan CMOS
Footage	6mm
4G Module	Optional
Wifi modules	Optional
Bluetooth modules	Optional
Speakers	Standard, voice playback content can be customised
Performance	
Recognition height	1.2~2.2m, angle adjustable
Identification distance	0.5~1.5m, variable depending on lens
Identification time	Less than 0.5 seconds
Storage capacity	160,000 records
Face capacity	24,000 sheets
Screen brightness	≥400 cd/m ²
Interface	
Switching outputs	1 switch output, other GPIO ports can be custom wired
Network Interface	1 RJ45 10M / 100M adaptive Ethernet port, customisable Gigabit port
Wegen Interface	1 Weygand interface input, 1 Weygand interface output
USB interface	1 USB port for device
Communication interface	1 x RS485 interface

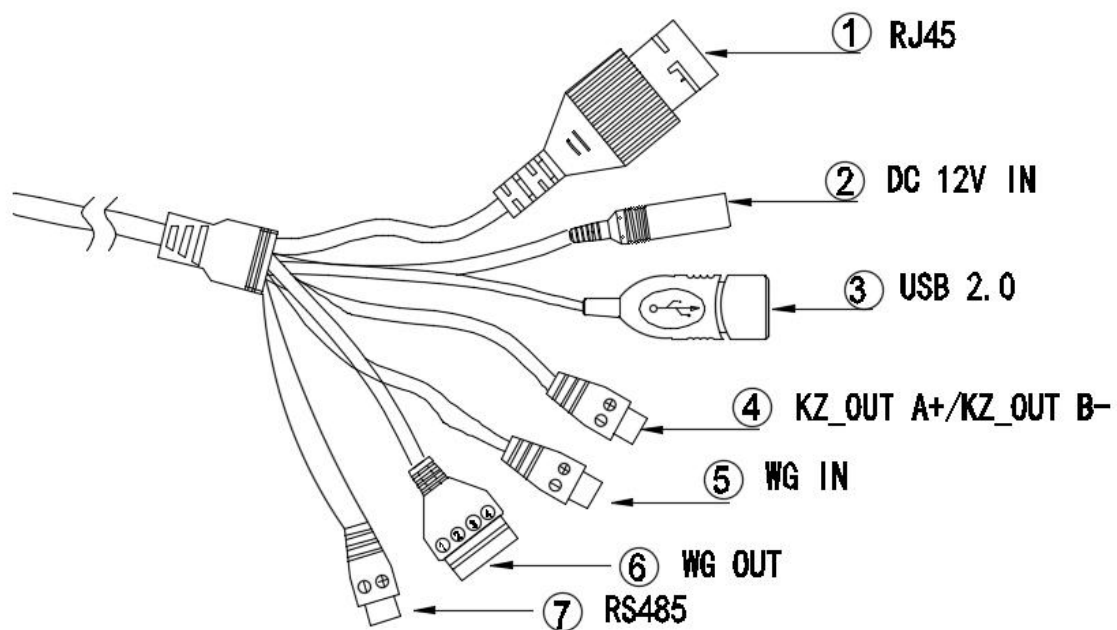
Camera parameters		
Cameras	Binocular camera, visible and NIR, supports in vivo detection	
Effective pixels	2.1 effective megapixels, 1920*1080	
Minimum Illumination	Colour 0.01Lux @F1.2 (ICR); B&W 0.001Lux @F1.2 (ICR)	
Signal-to-noise ratio	$\geq 50\text{db}$ (AGC OFF)	
Wide Dynamic	120db, isp algorithm face partial exposure	
Video Encoding	H.265 Main Profile encoding / H.264 BP/MP/HP encoding / MJPEG encoding	
Image resolution	Main Code Stream	50Hz: 25fps (1920×1080, 1280×720)
		60Hz: 30fps (1920×1080, 1280×720)
	Subcode stream	720*576, 1-25(30)fps / 640*480, 1-25(30)fps 320*240, 1-25(30)fps
Function		
Web-side configuration	Support	
Remote upgrade of equipment	Support	
Deployment method	Supports public network and LAN use	
General parameters		
Operating temperature	-30℃ - +60℃	
Working humidity	0 to 90% relative humidity, non-condensing	
Salt spray grade	Rp6 or above	
Anti-static	Contact $\pm 6\text{KV}$, Air $\pm 8\text{KV}$	
Electricity supply	DC12V/2A	

Riot control level	IK06
Protection class	IP66
Equipment power	20W (MAX)
Equipment size	252(length) * 136(width) *26(thickness)mm
Screen specifications	8 inch IPS HD screen
Column aperture	36mm
equipment weight	1.7kg

Product Size



Interface definition



Serial number	name	Quantity	Remarks
1	Network port	1	RJ45
2	power supply	1	DC12V IN
3	USB	1	USB 2.0
4	Switch output	1	Switch output interface A+/B-
5	Wiegand protocol input interface	1	① D0 ② D1
6	Wiegand protocol output interface	1	① vcc12V ② GND ③ D0 ④ D1
7	RS485	1	① 485- ⑤ 485+