P57

7" High Speed, AI based Face Recognition Access Control & Attendance System

P57

P57A

P57 is a face recognition based time attendance and access control terminal with deep learning algorithm. It uses an industrial-grade (IP 65) embedded HiSilicon SOC, which can quickly recognise live Faces from the local database.

It support 50,000 faces with super high recognition accuracy with face recognition speed 0.08 Sec, and the recognition accuracy rate≥99%. It has reliable local recognition & supports Mask Detection & binocular liveness detection. It supports attendance recording & access control system. It adopts the full HD WDR, the SONY color camera which can easily cope with the backlit dark and bright environment.

P57 is a wall-mounted face recognition all-in-one terminal with the best cost to performance ratio & is highly recommended for industries. It also supports turnstile mounting clamp.

Features :
▸ 7-inch display screen face recognition and access control device
▸ 50,000 face Users in 1:N mode
▸ 100,000 Attendance Transaction Records
▸ Support offline local face recognition and binocular liveness detection
▸ Support Face Mask detection, Safety helmet detection, and
  Live body detection
▸ Face recognition Speed ≤0.08 Sec., recognition accuracy rate ≥99%;
▸ Support time attendance function
▸ Support access control Locks like EM Locks, Drop Bolt, Auto doors etc.
▸ Support Weigand Input and Output
▸ Size : 231(H)*129(W)*25 mm
▸ Compatible with OTG HR (Attendance Management App on Cloud)

TECHNICAL DATA SHEET

Basic parameters	
Processor	Dual ARM Cortex-A53 @ 1Ghz
Display	7inch HD display screen
Sensor	SONY 1/2.8" CMOS
Minimum illumination	0.01Lux@(F1.2,AGC ON)
Shutter	1/25s~1/10000s
Camera	6mm fixed lenses+6mm IR lense
WDR	Support
Digital noise reduction	Self-regulating
BLC	Support
Voice broadcast	Support TTS voice broadcast customization

Coding standard	
Video standard	H.264
Code rate	1024Kbps~4Mbps

Video	
Encoding format	H.264
Video size	720P (1280*720)
Frame rate	25fps
Video overlay	Time, points
Video setting	Exposure (shutter), gain, contrast, saturation, adjustable brightness, face exposure compensation

Snapshots	
Image Format	JPEG encoding
Snapshot	Panorama, local close-up
Picture size	1920*1080

Smart features	
Recognition mode	Offline dynamic face recognition
Recognition Type	1:N
Live body detection	Support
Face library	50,000 faces
Records	Characteristics : 100000, Panorama : 30000
Recognition speed	≤ 0.08 Sec.
Recognition distance	0.5m - 2m
Face library download	Single picture, batch pictures, platform issued, card issued (optional)
Management type	blacklist, white list, temporary users
Output mode	Wiegand 26/34/66, relay
Secondary development	Support,multi platform (Windows,Linux,ARM)
Free SDK	Multi language (JAVA,C#,C++)

Network	
Supported protocol	ONVIF, TCP/IP, HTTP, FTP, Rs485, Wiegand, DNS, NTP, MQTT, WEBSOKET
General functions	Heartbeat, password protection, NTP

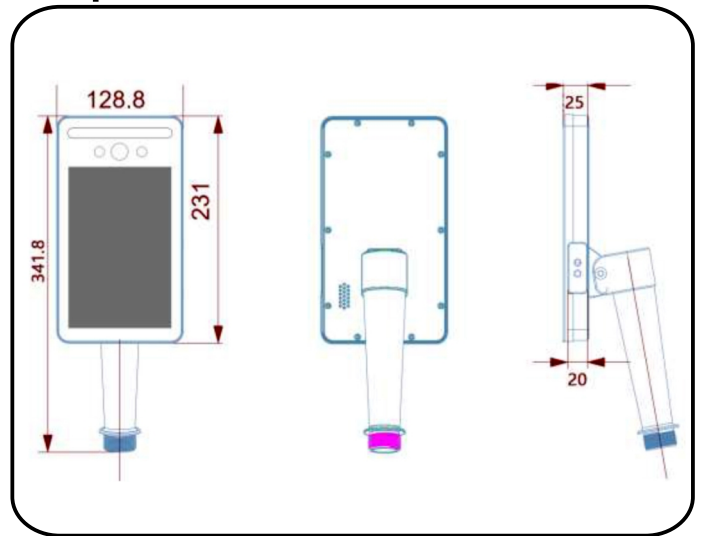| Interfaces		RS485 interface	1 way 485 interface
Communication interface	1 way RJ45 10M/100M adaptive Ethernet port	**Other parameters**	
Relay interface	1 way relay output	Power	DC 12V/2A
Wiegand interface	1 way Wiegand (output & input)	Operating Environment	-30℃～＋70℃ 0%—90% (no condensation)
USB port	1 way USB	Parts List	Main product, power supply, manual, wall bracket, expansion screw

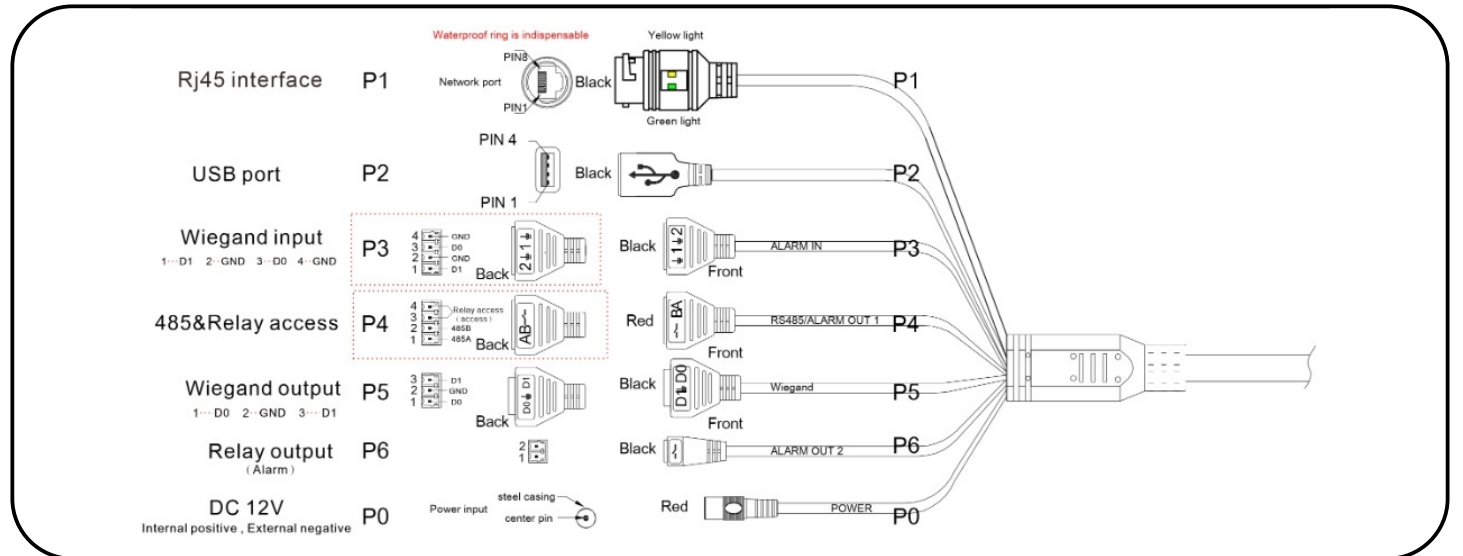| OPTIONS FOR THE MODEL		
Options	**Functions**	**Specifications**
4G	4G communication	All network
Card	Card swiping access	IC+ID
Buit-in NFC	Card, mobile phone swiping pass	NFC compliant cards, equipment
WIFI	WIFI	IEEE 802.11 b/g/n
Advertisement playback	Video/photo slide show	1024*600 or pictures of same proportion

Description of appearance

- Infrared fill light
- LED fill light
- HD camera
- Infrared camera
- 7 inch HD screen
- Speaker broadcast
- IC/ID recognition area(optional)

Graphical data

Tail cable