PL-303
AI Dynamic Face Recognition Attendance & Access Control

polimek ®
CONTROL AND SECURITY SYSTEMS MANUFACTURER

✓ Dynamic Face Recognition   ✓ Fingerprint Reader

✓ Password   ✓ ID/IC card optional   ✓ Waterproof

5user

Single user /
Multi user recognition

0.5～2.5 meters

Recognition
Distance

5000 50000 optional

Face
Capacity

≤.02s

Recognition
Speed

WDR

2MP Colorful
WDR

5 inch

Screen
Display

Touch
Screen

Multi
Language

Waterproof

2MP

Infrared live
camera

1280*720

HD
Screen

99.70%

Face Recognition
Accuracy

■ Specifications

Product name	WDR AI Face Recognition&Fingerprint Time Attendance and Access Control Terminal
Screen	5.0 Inch IPS Touch Screen, HD 1280*720
Keypad	Touch keypad
Operation system	LINUX 3.10
CPU, NPU	1.2G Dual-Core ARM Cortex-A7
RAM	256M DDR3L
ROM	4G EMMC
Binocular camera	Real Sensor 1/2.9 inch FOV 75° 2MP pixel high-definition color camera WDR wide dynamic Sensor 1/5 inch FOV 75° 2mp infrared live camera
Live detection	Dynamic dual-camera anti-counterfeiting, to prevent all kinds of black-and-white, color photos and videos from deception
Logs capacity	500000
Face Registration	Local operation: Enroll face with machine, import user photo with U disk Software operation: Import user photo to software, capture user photo with camera
Verification	Dynamic face recognition, password, ID Card (IC card optional)
Face capacity	5000(5000 optional)
Fingerprint Capacity	10000(50000 optional)
Card Capacity	15000(50000 optional)
Password Capacity	15000(50000 optional)
Face Recognition Accuracy	99.70%
Recognition Speed	≤0.2s, support single user/multi user(at most 5 user) recognition at same time
Recognition Distance	0.5~2.5 meters (0.5~1.5 meters with live face recognition on)
Prevent Photo	Dual camera anti-counterfeiting, prevent recognition with photo/video
Principle of Identification	Face algorithm technology of multi-task cascaded convolutional neural network based on video stream for dynamic face detection, tracking and recognition
WDR	Wide dynamic range, support accurate face recognition under Strong light, dark and backlight Supports simultaneous recognition of up to 5 people, face tracking, face capture
USB	USB2.0x1, Support U disk import/export data
Power supply	DC12V 2A
Network Communication	TCP/IP, Support C/S LAN communication, Wifi
Free Attendance software	Support exporting excel attendance report with U disk
Shift	Support shift setting and importing shift schedule with U disk
Management Software	Desktop, Cloud, SDK, Mobile APP
Access Control Interface	Magnetic door: support Alarm output: 1 set Usb Disk output: 1 set Relay output: 1 set Exit button: 1 set WG: 1 set WG output External alarm: support

QR Code Scanner	Support
Environmental adaptability	Working temperature:-15C~+45°C (storage temperature -40C~+65°C), Working humidity: 20%~90% (storage humidity 20%~90+2%), Dark environment: LEDSoft light automatic fll light (Automatic control according to ambient light) Ambient light adaptation range: 0-50000Lux
Multi language	Support 20 national languages and voices including English, Spanish, Arabic, Thai, Farsi, Portuguese, French, Italian, Japanese, Korean, etc. Support Chinese, English, Korean, Persian T9 input method
Broadcase and ring	Support display name, voice broadcase name, builtin bell ring
Automatic fill light	Support infrared fill light, the white fll light automatically lights up when face is captured in dark light
Working Current	stand-by current: 310mA, Working current: 520mA
Support TTS	Chinese and English voice report name
Installation Way	Standard: Wall mount, desktop stand; Optional: bracket for turnstile, floor stand
Special features	Display user enrolled photo when verified face; Support capture stanger's face if he appers in the camera; Support mask detection(you can set in machine Yes/No); Support setting face recognition distance: close (around 0.8m), middle (around 1.5m), far(around 2~3m); It will say happy birthday when user verify face if you put user's date of birth in machine

Support WDR(wide dynamic range), with good performance under strong light, dark light and backlight environment

Strong light

Dark light

Backlight

155mm   25mm

155mm

AI Face Identification

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