V-WATCH PRO

AI DRIVEN ACCESS CONTROL MANAGEMENT SYSTEM

5 user	**0.5~2.5 meters**	**50000**
Single User / Multi-user Recognition	Recognition Distance	Face Capacity

≤.02s	**WDR**	**5** inch
Recognition Speed	200W Colorful WDR	Screen Display

Touch Screen	Multi Language	Access Control
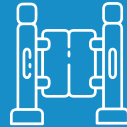
200W	**720*1280**	**99.70%**
Infrared live camera	HD Screen	Face Recognition Accuracy

| Product Name	AI Dynamic Face Recognition & Fingerprint Time Attendance Access Control Terminal
Screen	5.0 Inch, HD 1280*720, Capacitive Touch Screen
Keypad	Touch keypad
Operation System	LINUX 3.10
CPU, NPU	1.2G Dual-Core ARM Cortex-A7, 600G（0.6T）
RAM	512MB DDR3
ROM	eMMC Flash 8GB
Binocular Camera	200W Colorful WDR+200W Infrared live camera
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/IC card optional
Face Capacity	50000
Fingerprint Capacity	100000
Card Capacity	50000
Password Capacity	50000
Face Recognition Accuracy	99.70%
Recognition Speed	≤0.2s, support single user/multi user(at most 5 users) 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 light and backlight

USB	USB2.0 x 1, Support U disk import/export data
Power Supply	DC12V interface x 1
Speaker Interface	Reserved for extended Speaker Interface
Network Communication	TCP/IP, Support C/S LAN communication, Wifi (optional)
Free Attendance Software	Support exporting excel attendance report with U disk
Shift	Support shift setting and importing shift schedule with U disk
Management Software	Support PC software to manage data through network connection with equipment
Access Control Function	Door unclosed alarm, forced door opening alarm, alarm linkage and output, one set of door opening signals, one set of alarm signals, time permission control, connect external access control reader, Wiegand 26/34 output input
Environmental Adaptability	Working Temperature：-15°C~+45°C (storage temperature -40°C~+65°C)，Working Humidity：20%~90% (storage humidity 20%~90±2%)，Dark Enviroment: LED Soft light automatic fill light (Automatic control according to ambient light)，Ambient Light Adaptation Range：0-50000Lux
Multi Language	English, Spanish, Arabic, Thai, Farsi, Portuguese, French, Italian, Japanese, Korean, etc
Broadcase and Ring	Support display name, voice broadcase name, builtin bell ring
Automatic Fill Light	Support infrared fill light, the white fill light automatically lights up when face is captured in dark light
Working Current	Stand-by current：310mA , Working current: 520mA
QR Code Scanner	Support
Working Voltage	DC12V
Installation Way	Standard: Wall mount, desktop stand; Optional: bracket for turnstile, floor stand
Machine Dimension	188x80x20mm

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Functions & Features

1. Reasonable and reliable design, low noise, smooth operation and long service life;
2. With function of opening doors automatically under power-off state to meet the need of fire-fighting passage;
3. With functions of anti-tail, anti-reverse pass and so on;
4. Card can be set "with memory" or "without memory" functions;
5. With automatic reset function, i.e. after having access to the gate, the gate automatically restores to the locked state if not pass within the time set;
6. With infrared anti-clip function (anti-clip when gate is open or running);
7. Compatible with IC, ID card, scanning and face recognition, etc;
8. Two modes of operation are available: open or closed;
9. Various working modes are available, including two-way card reading and one-way card reading, etc.

Product Measurement
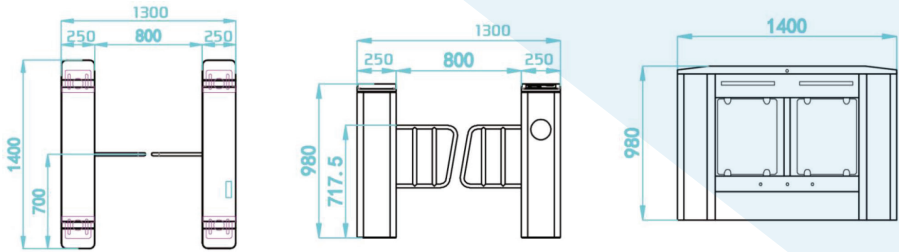
Parameter

Material	1.2mm SUS304
Size	1400*250*980mm
Sensor Pairs	5 pairs
Pass Rate	35p/m
Pass Width	600-1100mm
Input Voltage	100V~240V
Motor Type	DC brush motor
Environment	-20~+70℃
Power Supply	24V 150W
Net Weight	50kg