



Features

- Doors retract to open and close horizontally
- Doors are made of acrylic (tempered glass is optional)
- The body is constructed with 304 stainless steel (316 stainless steel is optional)
- No sharp edges for safety
- Arrow shaped LED's indicate the lane is ready (green), and cannot pass (red).
- Additional sensor may be added for additional safety
- Turnstile gates can be integrated with face recognition, fingerprint recognition, and other biometric identification methods, also other traditional modules are supported, such as IC card, ID card, RFID card, bar code, etc.
- Also available with two motors to allow for multiple-lane pedestrian solutions. (brushless or servo motor is optional)
- Supports body temperature detection and personnel information binding, which can quickly confirm personnel information and do body temperature detection
- Built-in deep learning dedicated chip, supports local offline recognition, 10,000 face capacity, face whitelist (1:N)
- Fastest recognition time 0.2 seconds, various model merge mode are used to reduce false rate and increase pass rate
- WDR, 2MP (1080P) low illumination wide-angle camera and F1.6 large aperture lens for capturing high quality image with various complex lighting scenes
- Support anti-spoofing detection based on deep learning algorithm, effective against fraud such as photo and video

Specifications

GATE FEATURE	
Turnstile Type	Swing turnstile
Cabinet Material	304 stainless steel (standard)
	316 stainless steel (optional)
Door Material	Acrylic (standard)
	Tempered glass (optional)
Finish	Stainless steel satin finish
Dimensions (LxWxH)	55.12" x 11.81" x 39.4" (in) [1400 x 300 x 1000 (mm)]
Passage Width	Max 600 mm
Weight	70Kg
Direction	Single / bidirectional
Function	Fail safe, anti-clamping
Power Supply	AC110–220 V, 50/60Hz
Unlock Time	Adjustable
Flow Rate	35 people/min
Working Environment	Indoor and outdoor
Motor	DC brush motor (standard)
	DC brushless motor (optional)
	DC servo motor (optional)
FACIAL RECOGNITION MODULE	
Operation System	Linux
Face Recognition Accuracy Rate	>99%
Face Recognition Time	200ms
Face Capacity	10,000
Card Capacity	100,000
Storage Capacity	4GB
Event Capacity	30,000 (with images)
Measurement Range	30°C - 45°C
Measurement Accuracy	0.1°C
Measurement Deviation	≤±0.3°C
Measurement Distance	1m
Authentication Mode	Face Whitelist: (1:N)
	Card: (1:N)
	Face + Body temperature
Card Type	Mifare 1 Card
User Management	Support user library addition, deletion, update

Record Management	Support local recording and real-time upload
Interface	LAN x1, Wiegand Input x1, Wiegand Output x1, RS485 x1, Alarm Input x2, Alarm Output x1, USB2.0 x1, Lock x1, Door Contact x1, Exit Button x1
Power Supply	Input 12V±25% DC
Screen	Touch Screen, Size: 7" inch, Resolution: 600×1024
Camera	Dual Lens, 2MP, 1080P
Supplement Light	LED soft light and infrared light
Dimensions (LxWxH)	5.28" x 1.3" x 12" (in) [134 x 33 x 305 (mm)]
Working Environment	Access control terminal: -4°F ~ 149°F [-20°C ~ 65°C] Relative Humidity <95% (non-condensing)
Protection Level	Both terminal and module: IP54
Application Situation	Indoor, No wind



Options Available with this Model

MODEL	2MRST-1	2MRST-1-BLM	2MRST-1D	2MRST-1D-BLM
MOTOR TYPE	BRUSH	BRUSHLESS	DOUBLE SIDED BRUSH MOTOR	DOUBLE SIDED BRUSHLESS MOTOR
Drive Type	Drive By Brush Motor	Drive By Brushless Motor	Drive By Brush Motor	Drive By Brushless Motor
Arm Material	Acrylic	Acrylic / Tempered Glass	Acrylic	Acrylic / Tempered Glass
Lane Width	0-23.6" (in) [0-600mm]	0-35.4" (in) [0-900mm]	0-23.6" (in) [0-600mm]	0-35.4" (in) [0-900mm]
Power Off	Automatic Open	Automatic Open	Automatic Open	Automatic Open
Speed	1 Second Not Adjustable	0.5 Seconds Adjustable	1 Second Not Adjustable	0.5 Seconds Adjustable
Max Capacity Flow	1000	2000	1000	2000
Life Time	2-3 Years	3-5 Years	2-3 Years	3-5 Years
MTBF	5 Million	10 Million	5 Million	10 Million
Controller	Standard Function Can Be Set	Standard Function Can Be Set	Standard Function Can Be Set	Standard Function Can Be Set
Structure	Stable	Strong	Stable	Strong
Mechanical Friction	Yes	Some	Yes	Some
Noise	Moderate	Quiet	Moderate	Quiet