Description

MAG FR500 is a dynamic face recognition reader with advanced digital temperature measurement module. It support intelligent mask detection to alert and deny access for people without mask.

It is suitable for use in pedestrian gate or door access for office building, school, hospital, airport, condominium, factory, etc..

Features

1. Automatic Adaptive Detection Reading (AADR) technology. Automatically adjust detection area to accurately capture all critical biometric point even though when the face is moving. This is to ensure accurate recognition.

2. Automatic Depth Measuring (ADM) technology. Able to detect face at front and back, but priority on the face at front. This is to minimize front-gating where an unauthorized people trying to cheat to enter.

3. Dual camera featuring IRSense and ColorSense technology. Both technology working hand-in-hand to reject fake face (flat photo) and recognize live face (real human) in less than 0.2s under any lighting environment. Additional LED light and infrared light will be automatically illuminated in order to recognize face even in total darkness condition.

4. Fast scan and go. All enrolled staff just need to scan and go. No more manual recording on paper. Smoother people's traffic allows staff to start work in the shortest time possible. The reader automatically alerts staff and visitors with high temperatures and did not wear a mask.

5. More convenient . New upgraded software allows you to see the date, time, name, temperature and face in a single glance. Event log and photos can be exported to PC for future records. Enrolled user's profiles and faces can be transferred to multiple readers easily.

6. Faster implementation. Just need to plug in the power and network cable. No screw installation needed for our stand. We offer a special bracket to easily install our reader onto an existing pedestrian gate.

7. High face capacity up to 10,000 face. With the high face capacity, it is ideal for usage in any big office, factory, school or any commercial building.
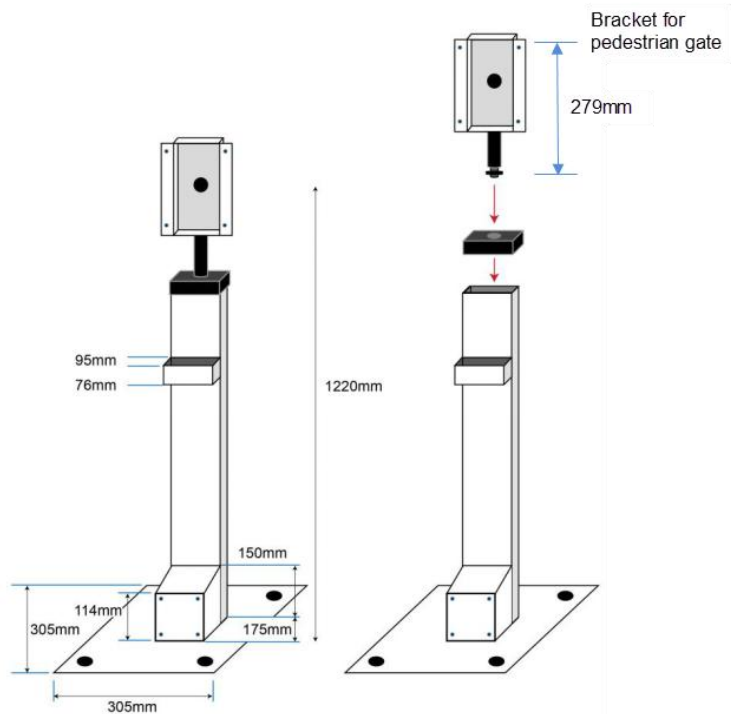
Technical Parameters

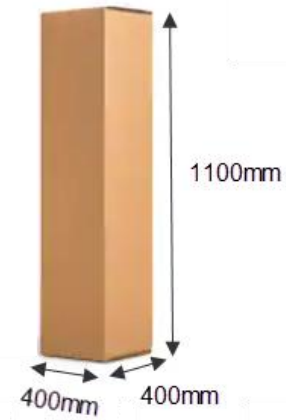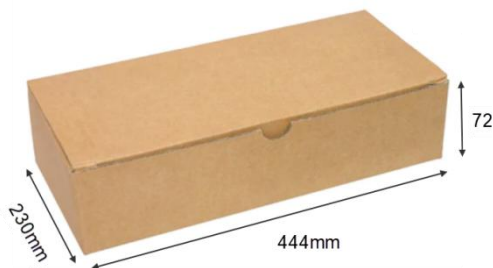|	
Face Capacity	10,000
Event Record Capacity	8000 (with images)
Access Mode	Face Recognition, Temperature Face Recognition + Temperature Face Recognition + Temperature + Mask detection Face Recognition + Temperature + Mask detection + Helmet
Temperature Scanning Range	30°C - 45°C
Scanning Accuracy	0.1°C
Scanning Tolerance	≤ ±0.3°C
Scanning Distance	Up to 1m
Face Recognition Mode	1:1, 1:N
Validation Display	Profile Picture, Name, Time and Temperature.
Real Time Face Detection	≤ 0.2sec
Intelligent Function	Infrared Live Person Identification Detection
Dual Camera	ColorSense camera and IRSense camera
Dual Light	Smart LED light and infrared light
Display Screen	7 inch smart touch screen
Operating System	LINUX
False Rejection Rate (FRR)	≤ 0.1%
False Approval Rate (FAR)	≤ 0.001%
Relay Output	Lock relay output Alarm relay output
Relay Input	Door sensor and alarm input
U-Disk Output	For firmware upgrading
Push Button Input	Yes
User Enrollment	Terminal face enrollment
	Software enrollment
Event Record	Local recording and real-time upload
Communication Interface	RS485,TCP/IP
Power Supply	DC 12V, 1.5A
Working Temperature	－20°C to 65°C
Dimension (L x W x H)	134mm x 33mm x 305mm

Dimension

Reader dimension:

- 305mm
- 134mm
- 33mm

Stand dimension:

- Bracket for pedestrian gate
- 279mm
- 95mm
- 76mm
- 1220mm
- 150mm
- 114mm
- 305mm
- 175mm
- 305mm

Packaging dimension:

- 72
- 230mm
- 444mm

- 1100mm
- 400mm
- 400mm

*Product performances is based on testing in a controlled environment. Result may vary due to several external environment factors.