MAG®
Ensuring Your Peace of Mind.

FR300 Face Recognition Reader

SPECIFICATION
24 Jan 2021, V4

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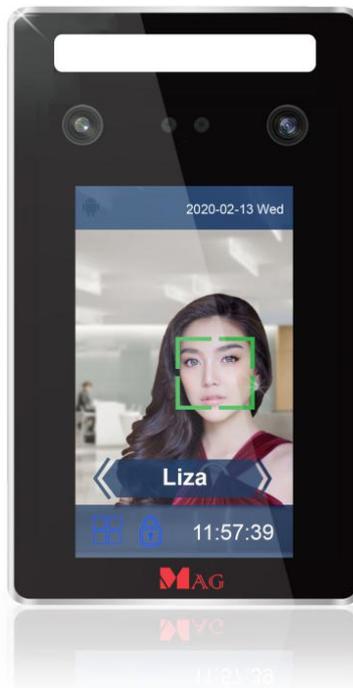
Description

MAG FR300 face recognition reader is a dynamic face recognition reader built with advanced face tracking algorithm for faster and more accurate dynamic face detection. The modern, compact and slim design with premium finishes make it easily to fit into any commercial premises either for door access or pedestrian access.

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. Adjustable detection range. The detection range can be adjusted between 0.5 meters up to 3 meters to cater different people traffic flow pattern at site.

5. 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

User ID/ Face Capacity	10,000
Event Record Capacity	1,000,000
Access Mode	Dynamic Face Recognition, PIN Face Recognition + PIN
Face Recognition Mode	1:1, 1:N
Validation Display	Name & Number
Real Time Face Detection	< 0.2sec
Intelligent Function	Infrared Live Person Identification Detection
Facial Scanning Range	Purely Dynamic Face Recognition: 0.5-3m
	Infrared Live movement detection: 0.5-1.5m
Dual Camera	ColorSense camera and IRSense camera
Dual Light	Smart LED light and infrared light
Display Screen	5 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
U-Disk Output	Yes
Push Button Input	Yes
Communication Interface	RS485, RS232,TCP/IP
External Wiegand Port	Yes, WG26/34 Output/Input
Power Supply	DC 12V, 1A
Working Temperature	$-15^{\circ}C$ to $60^{\circ}C$
Casing	Aluminum alloy
Dimension (L x W x H)	110mm x 20mm x 185mm

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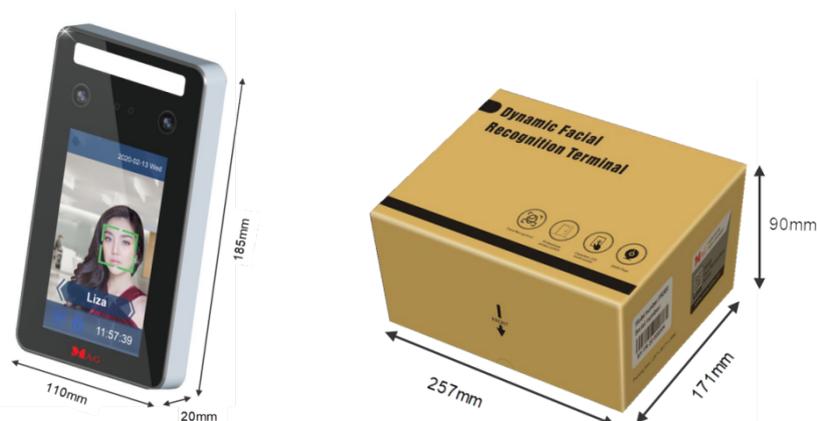
*Product performances is based on testing in a controlled environment. Result may vary due to several external environment factors.