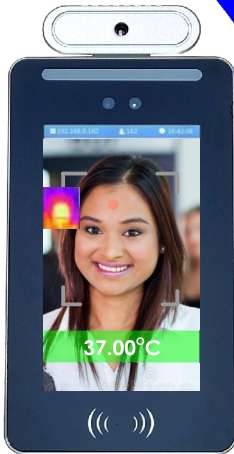# TM47

7" AI based Face Recognition Access Control & Attendance System with Temperature Measuring Sensor

TM47 is a temperature measurement face recognition based time attendance and access control terminal with deep learning algorithm. It uses an industrial-grade embedded SOC, which can quickly recognise live Faces from the local database.

It support 10,000 faces with super high recognition accuracy with face recognition speed 0.3 Sec, and the recognition accuracy rate ≥99%. It has reliable local recognition & supports binocular liveness detection. It supports attendance recording & access control system. It adopts the full HD WDR, the color camera which can easily cope with the backlit dark and bright environment.

TM47 is a wall-mounted face recognition all-in-one terminal with the best cost to performance ratio & is highly recommended for Industry & Corporate offices. It also supports turnstile mounting clamp.

TM47

TM47A

Features :

▸ 7-inch display screen face recognition and access control device
▸ 10,000 face Users in 1:N mode, Recognition accuracy rate ≥99%
▸ Face recognition Speed ≤ 0.3 sec., Face Recognition distance 0.5 m to 1.5 m
▸ Support offline local face recognition and binocular liveness detection
▸ Medical Grade Multi-point Temperature measurement on the forehead
▸ Temperature measuring distance 20-120cm, fast response time 1 sec.
▸ Support time attendance function
▸ Support access control Locks like EM Locks, Drop Bolt, Auto doors, Turnstile Mounting Stand
▸ Support Wiegand output protocol
▸ Size :260(H)*129(W)*25 mm
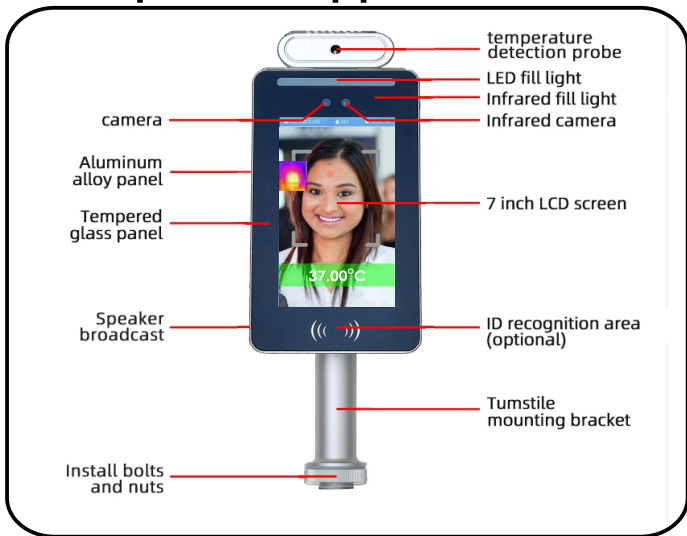▸ Compatible with OTG HR (Attendance Management App on Cloud)

TECHNICAL DATA SHEET

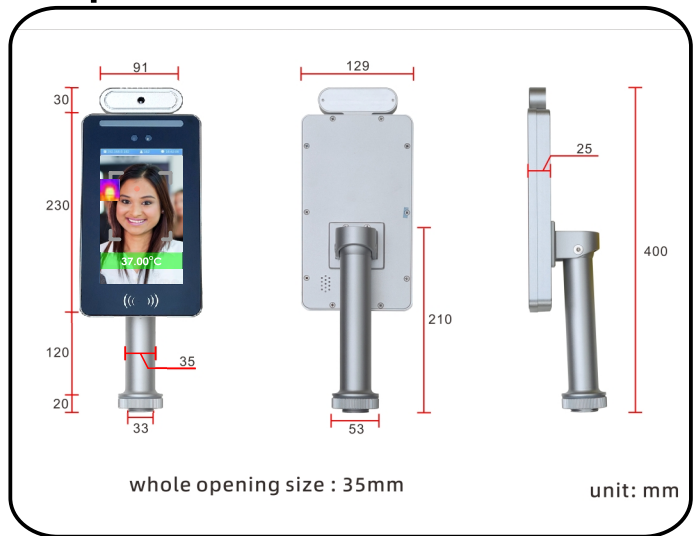| Basic parameters		Snapshots	
Processor	ARM Cortex-A7 Dual Core up tp 1Ghz	Image Format	JPEG coding
DDR	1 GB	Picture size	640*352
Flash	2 GB	**Smart features**	
Display size	7 inch	Recognition mode	Offline dynamic face recognition
Display resolution	600*1024	Identification type	1:N
Wide dynamic	Support	Live detection	Support
Digital noise reduction	Self-regulating	Face library	10000 faces
Temperature measurement		Recognition rate	≥99%
Measurement chip	Melexi	Recognition speed	≤300ms
Measurement distance	20cm—120cm	Recognition distance	0.5m - 1.5m
Measurement response time	≤1second	Face library assigned	Import of single pictures, batch pictures, real-time snapshots
Measurement accuracy	±0.2°C	Face storage (offline)	Feature picture: None, Panorama + feature picture: none, Pass records: 10,000
Coding standard			
Video standard	H.264	Record mode	Panorama, partial close-up
Code rate	1024Kbps~4Mbps	Management type	Blacklist, whitelist, temporary users
Video		Output mode	Wiegand, 26/34/66, relay
Video size	1280(H)*720(V)	Trigger method	Video trigger
Frame rate	25fps	Secondary development	Support multi-platform, multi-language
Video overlay	Time, point name	**Network**	
BLC	Support	Protocols	TCP/IP, HTTP,FTP, Wiegand, DNS, NTP,MQTT, WEBSOCKET,SDK

Storage	Built-in storage of about 10,000 pass records for resumable transmission	Wiegand interface	1 way Wiegand output
Interfaces		**Other parameters**	
		Power	DC 12V/2A
Communication interface	1 way RJ45 10M/100M adaptive Ethernet port	Power consumption	≤8W
Relay interface	1 way relay output	Operating Environment	-20°~+70°, 0% - 90%

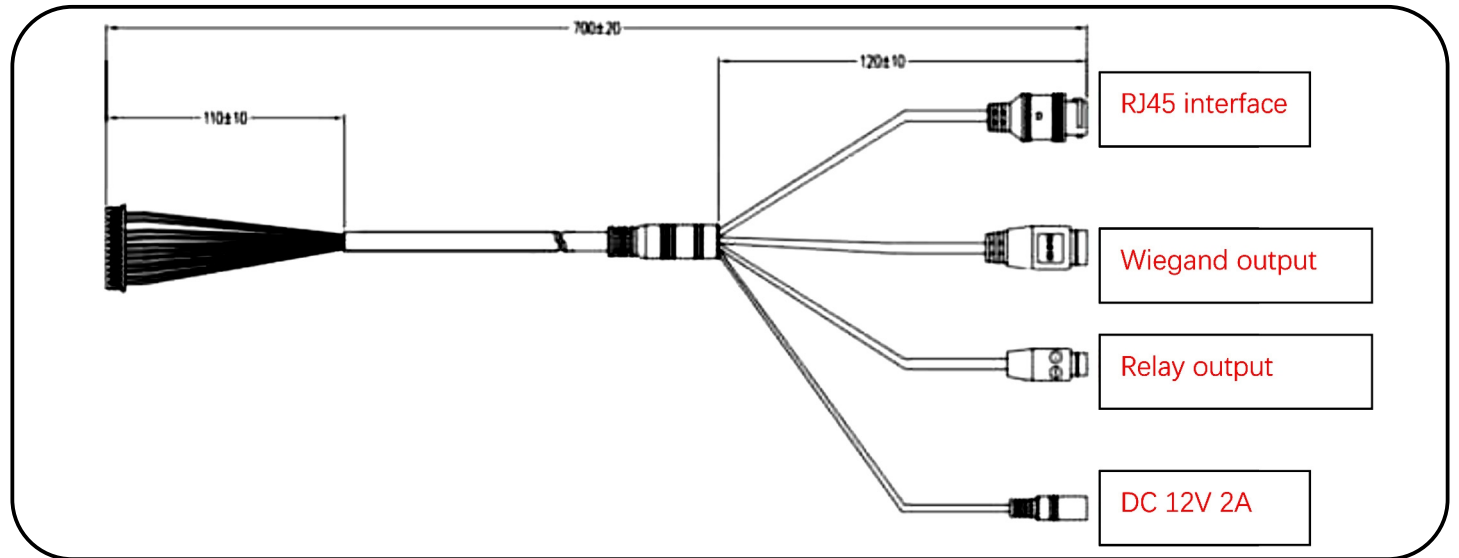| OPTIONS FOR THE MODEL		
Options	**Functions**	**Specifications**
4G	4G communication	All network
Card	Card swiping access	IC+ID
Buit-in NFC	Card, mobile phone swiping pass	NFC compliant cards, equipment
WIFI	WIFI	IEEE 802.11 b/g/n

Description of appearance

- temperature detection probe
- LED fill light
- Infrared fill light
- Infrared camera
- camera
- Aluminum alloy panel
- Tempered glass panel
- 7 inch LCD screen
- Speaker broadcast
- ID recognition area (optional)
- Turnstile mounting bracket
- Install bolts and nuts

Graphical data

whole opening size : 35mm

unit: mm

Tail cable

RJ45 interface

Wiegand output

Relay output

DC 12V 2A

Ordering Information
- **TM47 :** 7" Wall mounting Face Attendance Device with Temperature sensor
- **TM47A :** 7" Turnstile mounting Face Attendance Device with Temperature sensor
- **Smart Face :** Web Based Communication Server for Face & Finger Terminal, Template & Data Management with Push Technology

Options
- **OPT 01 :** Built in 4G Interface
- **OPT 03 :** Built in ID+IC Reader
- **OPT 05 :** Built in Wifi
- **OPT 06 :** External Battery Back-up (2Hrs)
- **OPT 07 :** Protection panel with lock & big LED for acceptance

Scanner
IS 13252 (Part 1)
:2012

R-41228036
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