



## 8 inch Touch Model. AI Smart Detection

### Product Instruction Manual




### Product characteristics

- Host running Android 7.1 operating system, using the latest face detection, recognition model, fast face capture, intelligent face quality judgment, accurate face recognition;
- Wide dynamic double-shot live anti-counterfeiting, thoroughly solve all kinds of photos on various carriers of deception;
- A real-time temperature monitoring, temperature tolerance range accurate to 0.3°, temperature detection distance of 0.5-1 meters;
- RGB real-time feedback recognition results of three-color complementary lamp, night infrared, RGB double complementary lamp;
- Support serial port, Wigan 26,34 output input, output content support configuration;
- Support relay switch signal, access control, safety and worry;
- **Support devices for local storage of 10,000 libraries:**

- (a) The cloud platform device supports the simultaneous storage of 50,000 face photos (less than 400 KB), 10 million recognition records (0.45 KB) and 200,000 live capture photos;
- (b) Local area network devices support the simultaneous storage of 30,000 face photos (photos calculated at 100 KB) and 1 million recognition records (including the most recent 40,000 live capture photos, photos calculated at 100 KB);

## Product application


It is suitable for office area, hotel, gate, office building, school, shopping mall, shop, community, public service and management project.



Intelligent and efficient detection  
One second positioning  
Monitoring and alarm

Access control and monitoring linkage


**High efficiency**



Zero contact  
Avoid cross infection  
Saving labor cost

Hand held work instead

**security**



Experience of senseless traffic  
Convenient access experience  
High frequency use by owners

Access control, monitoring linkage,  
large screen display

**Travel experience of owners**

## Algorithm brand: MEGVII

- 1 : N face recognition, face database supports 2 W faces, top1 hit rate 99.99%;
- The accuracy of 1:1 authentication is over 99%.
- **Rapid identification:**

(a) Face tracking and detection takes about 20 ms;

(b) Face feature extraction takes about 200 ms;

(c) In vivo face detection takes 0.2 ms;

(d) Feature comparison takes 0.5 ms(10000 face database, multiple identification takes average);

- Support stranger detection, stranger level configurable;
- Support for face recognition or stranger detection when the scene photo preservation;
- Support public network, LAN use deployment mode;
- Support HTTP 、TCP mode interface docking;
- Support screen display content configuration;
- Support to identify distance configuration.

## Product specifications

Product Model	Category	Performance
Camera	Resolution	200W
	Type	RGB+ infrared
	aperture	mm 4.0
	Focal length	M 0-2
	White Balance	Automatic
Screen	Dimensions	8 inch, full view IPS LCD screen
	Resolution	800*1280
	Brightness	400cd/m2
System	CPU	4 cores, RK3288
	DDR3	2GB (optional 4 G)
	Memory	8GB (optional 16 G、32G)

	Image processing	Built-in dual ISP
	Operating system	Android 7.1
	Touch screen	Optional touch screen
<b>Module</b>	<b>Function</b>	<b>Introduction</b>
Display interface	Boot interface	Neutral (customizable)
	Verification interface	1. includes display please punch prompt, network signal (whether binding/networking), time, date, week. 2. network connection abnormal pop-up prompt, notification display, ID information, verification success or failure prompt, customizable. 3. version number, number of people, number of pictures in base library.
	Menu interface	menu style as well as human-computer interaction, how to enter other modules, management, etc.
User management	User Add	New Local Apps
	User Delete	Deleted person on local application
Equipment management	Unlock Rule	Time to open after verification
	Vergen/RS232	Vergen format 26/34, RS232
	Language Settings	Simplified
	Network Settings	limited, wireless ,4 G
	Time set	Time, date, time zone, settings (manual setting and server synchronization)
	Voice settings	0-10(0 bit mute, default 5)
	Brightness adjustment	1-10(default 5)
About the machine	Factory Date	Factory time for equipment
	Serial number	Equipment serial number
	Manufacturers	Name of manufacturer
	Machine Type	Type of equipment
	Firmware version	Current firmware version
	Detection update	(Reserved)
	Help	Help explain documentation
Other	Other	Customizable
	distance	

	recognitio n	
	Remote upgrade of equipment	Support
	Equipmen t interface	Equipment management, authority management, personnel / photo management, record query, etc.
Conventional parameters	Horn	Ω 2W 8
	OSD languages	English and Chinese multilingual OSD operations
	Protection level	IP64, support waterproof and dustproof, support outdoor use
	Adapter	Power adapter 12 V/1.5A
	Equipment power	20W(MAX)
	Working temperatur e	-10℃~+60℃
	Working humidity	10~90% relative humidity, no condensation
	Electrosta tic static electricit y	4K/8K
	Electromag netic radiation	No frequency exceeding standard
	Power consumptio n	5W MAX
	Installati on mode	Wall hanging, table support, gate installation, floor support
	Equipment dimensions	123.5(wide)*84(thick)*361.3(high) mm
	Weight of equipment	1.5 KG
	Column aperture	mm 33
	functions	

## 9. 產品保養 Product Maintenance

- ◆ 定期用棉布擦拭面板，最好是高濃度酒精溶液

wipe the panel regularly with cotton cloth, preferably a high-concentration alcohol

- ◆ 切勿讓設備進水或其他含水溶液

water or other aqueous is not allowed to enter into the equipment.

- ◆ 不要在高溫，高濕的環境中存放

Please do not stored in high temperature and high humidity environment

## 10. 常見問題 Common Problems

- ◆ 連接電源後，白光補光燈自動啟動；啟動完成後自動關閉

After connecting the power, the white light fill light will automatically start ; after the start is completed, it will automatically turn off

- ◆ 啟動時間大概一分鐘，切勿認為機器損壞

Start-up time is about one minute, please do not think that the machine is damaged

- ◆ 顯示幕啟動後大概需要 5 秒左右系統初始化

after the display starts, it will takes about 5 seconds to initialize the system

- ◆ 頻繁識別，測溫，會使外殼略微發燙，屬於正常現象

Too much identification and temperature measurement will make the shell slightly hot, which is a normal phenomenon



# サーマルカメラ

## ARTomo [アトモ] AI Smart Detection

どこでもリモート管理は可能（オプションのご購入）  
ビジネス宣伝の広告機能！日本語インタフェース（多言語対応）



デバイス状態の管理・設定・分析



人員・体温・タイム 記録

複数台 PC リモート操作可能  
(オプションのご購入)  
管理用権限アカウント



出勤管理



外部メールお知らせ




デバイス広告機能  
デジタルサイネージ  
(ビデオ・写真対応)

Internet  
インターネット

デジタルサイネージ  
店舗・お店など  
広告機能の利用

21.5 & 8 inch Touch Model  
21.5 & 8 インチ タッチモデル  
複数台統一式管理できます



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01

The face recognition interface allows you to view the organization logo, grouping name, device name, and MAC address

02

Click on the settings icon, enter the

Property  
Settings  
Interface :1.  
Server  
Connection

2. Face Settings

3. Temperature Setting

4. personnel information

5. traffic records

6. attendance records

7. Voice Settings

8. Visitor Information

(Attendance Records:  
You need to open the  
attendance of the  
general settings in the  
software settings to  
have this function)





## 服务器连接 (未连接)

IP地址: 47.107.50.81

端口号: 8085

用户名: 请输入用户名 (登录账号)

连接服务器

连接记录



请使用小程序扫码注册

04

Input equipment IP Address and port number, and cloud  
Server

## 人脸参数设置(FacePass)

	口罩检测	<input type="checkbox"/>
	活体检测	<input type="checkbox"/>
	夜晚模式(屏幕补光)	<input type="checkbox"/>
	相机方向	后置 >
	识别距离	1.5米 >
	算法角度	270 >
	预览角度	90 >
	人脸框镜像	非镜像 >
	人脸框角度	自动 >
	后摄像头镜像	镜像 >
	抓拍角度	自动 >
	识别阈值	70.0 >

保存

05

1. mask open and close  
2. vivisection turned on and off

3. night screen turn on and off

Adjustment 4. Color Camera and Infrared Camera

5. Temperature Measurement  
Module Identification Distance  
Adjustment

Fixed Adjustment of 6.  
Algorithm

Adjust 7. camera preview angle  
8. face frame mirror  
adjustment

## 测温设置



测温外设

I2C矩阵(MLX90621) >



温度单位

摄氏度 >



测温时间

0.0 >



自动校准

0.0 >



有效温度(摄氏度)

30.0 >

1. Temperature Measurement Module
2. temperature unit selection
3. Temperature Recognition Time Adjustment
4. automatic calibration according to human body temperature and ambient temperature

## 人员信息

[添加](#)[刷新](#)

姓名	人脸图片	卡号	是否注册	同步时间	操作
ii		无	已注册	2020-05-16 12:02:02	<a href="#">删除</a>
陈定龙		1581327017	已注册	2020-05-16 12:02:02	<a href="#">删除</a>

姓名 \*

请输入姓名

手机 \*

请输入手机号

性别









女



男

[添加](#)

07 Add personnel information  
Automatic  
Information  
Synchronization  
Cloud Server (ASM)

通行记录(最近50条)						导出
姓名	人脸图片	通行方式	卡号	体温	通行时间	
无		人脸识别	无	-99.0	2020-03-30 20:31:23	
无		人脸识别	无	-99.0	2020-03-30 20:31:20	
无		人脸识别	无	-99.0	2020-03-30 20:31:17	
无		人脸识别	无	-99.0	2020-03-30 20:31:13	
无		人脸识别	无	-99.0	2020-03-30 20:31:09	
无		人脸识别	无	-99.0	2020-03-30 20:31:06	
无		人脸识别	无	-99.0	2020-03-30 20:30:48	
无		人脸识别	无	-99.0	2020-03-30 20:30:45	
无		人脸识别	无	-99.0	2020-03-30 20:30:41	
无		人脸识别	无	-99.0	2020-03-30 20:30:37	
无		人脸识别	无	-99.0	2020-03-30 20:30:26	
无		人脸识别	无	-99.0	2020-03-30 20:30:24	

通行记录(最近50条)						导出
姓名	人脸图片	通行方式	卡号	体温	通行时间	
无		人脸识别	无	-99.0	2020-03-30 20:31:23	
无		人脸识别	无	-99.0	2020-03-30 20:31:20	
无		人脸识别	无	-99.0	2020-03-30 20:31:17	
无		人脸识别	无	-99.0	2020-03-30 20:31:13	
无		人脸识别	无	-99.0	2020-03-30 20:31:09	
无		人脸识别	无	-99.0	2020-03-30 20:31:06	
无		人脸识别	无	-99.0	2020-03-30 20:30:48	
无		人脸识别	无	-99.0	2020-03-30 20:30:45	
无		人脸识别	无	-99.0	2020-03-30 20:30:41	
无		人脸识别	无	-99.0	2020-03-30 20:30:37	
无		人脸识别	无	-99.0	2020-03-30 20:30:26	
无		人脸识别	无	-99.0	2020-03-30 20:30:24	

Tips

是否导出通行记录信息到本地?

取消

确定

08

1. can view  
all people's  
traffic  
records, ways,  
body  
temperature,  
and passage  
time  
information  
2. click  
"Export"  
Can export  
the relevant



## 访客信息

刷新

姓名

人脸图片

是否注册

有效时间

09

View basic  
visitor

属性设置 软件设置

同步配置



通用设置



切换模式



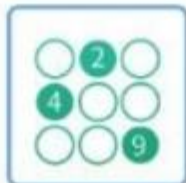
定时开关机



屏幕亮度



音量设置



修改密码



测试设置



APK升级



设备信息



退出软件

10

Software  
Settings

Interface :1.

General  
Settings

2. Switching Mode
3. timing switch
4. screen brightness
5. Volume Settings
6. Change Password
7. test settings
2. APK upgrade
9. equipment information
10. Exit software



- Common settings interface :1, swipe card open and close  
 2. attendance turned on and off  
 3. open and close  
 4. strangers open and close  
 5. Information Save Open  
 6. Information Display Settings  
 7. Visitor Registration Closed

切换模式

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☒ 网络模式

☐ 单机模式

确认

- 12 Regulation of network model or single machine mode

开机	关机	一	二	三	四	五	六	日
02:38	02:35	✓	✓	✓	✓	✓	✓	✓

添加

清空

关机时间:2020/07/12 02:35:00  
开机时间:2020/07/12 02:38:00

13

- 1. add timing switch
- 2. clear all timing switches



屏幕亮度

80%

确认

14 Adjust screen  
brightness

## 修改密码

原密码: 请输入原密码

新密码: 请输入新密码

新密码: 请再次输入新密码

确定

15

Change  
Permission  
Password

APK升级

---

检测升级

16 Remote upgrade of  
cloud server

## 语音设置

状态: 已安装

语言选择

语言选择

语音设置

设置

← 语言

日本語

中文 (繁體)

中文 (简体)

中文 (香港)

Afrikaans

Azərbaycan dili

## ≡ 语言和输入法

语言

中文 (中国)

拼写检查工具

Android 拼写检查工具 (AOSP)

个人字典

键盘和输入法

17  
Language settings

## 语音设置

状态: 已安装

语言选择

语言选择

语音设置

设置

### ≡ 语言和输入法

语言  
中文 (中国)

拼写检查工具  
Android 拼写检查工具 (AOSP)

个人字典

键盘和输入法

虚拟键盘

实体键盘

语音

文字转语音 (TTS) 输出

鼠标/触控板

指针速度

隐藏虚拟键盘



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### ← 文字转语音 (TTS) 输出

首选引擎

☐ Pico TTS



☒ Google 文字转语音引擎



常规

语速



音高



重置语速

将文字的读出语速重置为正常。

### ← 设置

语言  
使用系统语言

"Google 文字转语音引擎"的设置

安装语音数据包  
安装语音合成所需的数据包





1. click Install Voice
2. Click Language Selection
3. Click "Text to Voice (TTS) Output"
4. selection google Text to Speech Engine
5. click OK and restart APK again
6. click google Text to Voice Engine Settings button, and then click on.