Temperature Scanner With Built-in
Facial Recognition

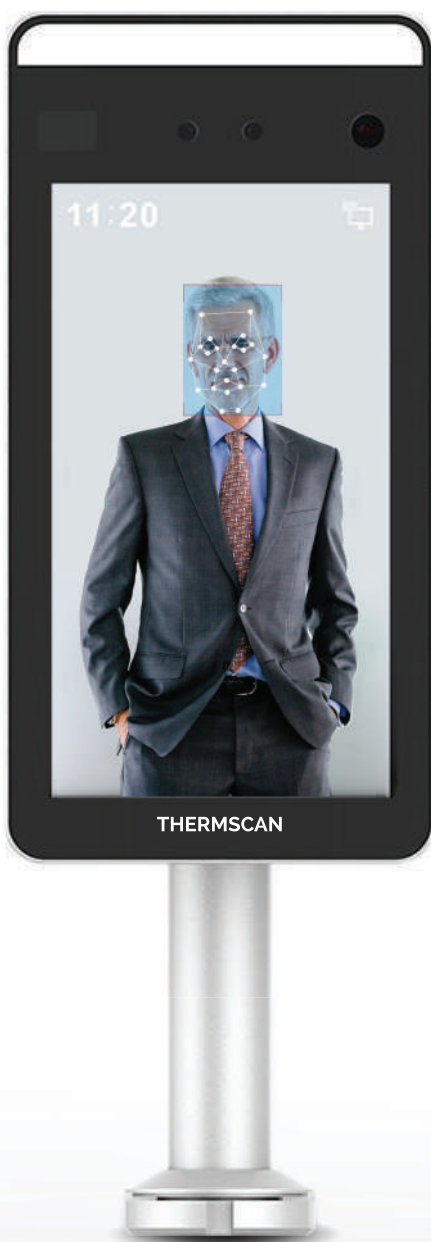## ThermScan-S

Face Temperature Measuring

Facial Recognition

Fever Warning

Data Query

Face Temperature Measuring

Based on infrared thermal imaging technology, it uses imported infrared sensor and 2MP wide-angle dynamic camera to perform face recognition at a distance of 0.5m-2.2m while collecting human temperature, even if wearing mask, which can better prevent cross infection.

Facial Recognition

No need to take off mask, the face can be automatically captured for identification. The device can automatically recognize whether the person is wearing a mask, gives a voice reminder to the non-wearing mask and prohibit traffic, strengthening awareness of prevention.

Fever Warning

The device sets a high temperature warning thershold of prevention. When it detects that the temperature of a person exceeds the warning threshold, a voice alarm mechanism is immediately activated to alert the risk of infection, effectively protect the health of personnel, and effectively and control epidemics.

Data Query

The device supports the data network upload function, which can form the temperature detection data info a table, and capture the real-time potrait, upload to the background and send WeChat Push to the designated management personnel for tracking inquiry.

THERMSCAN

11:20

Dpstar Group

THERMSCAN

Aerospace Standard

Aluminum Materials

The material we use has better corrosion resistance, heat radiation and longer service life, compared with most products made of stainless steel. With craft of polishing and sandblasting oxidation, the appearance texture is greatly improved.

Infrared Light, White Light

Two AI Cameras

High Precision Temperature Measuring Model

Aluminum Materials
Aerospace Standard

THERMSCAN

Dpstar Group

THERMSCAN

30,000 Persons
Face Library Capacity

200 ms
Face Recognition Speed

1080P Pixel

7" IPS HD Screen

2.4/4.5 mm Lens

1.2mm
Tempered Glass

0.5-1.3m
Temperature Measuring Distance

0.5-2.3m
Work Distance

Dpstar Group

THERMSCAN

SAFER
Avoid Hidden Dangers
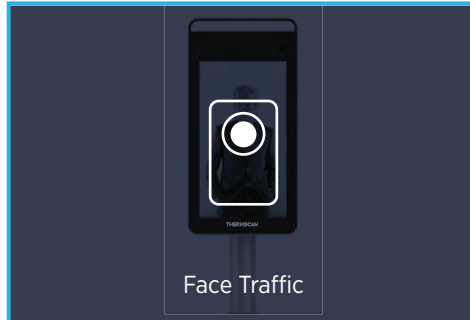
Face Traffic

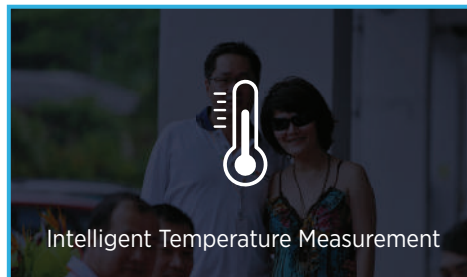**AI Face Recognition 0.5-1.3m Can Open The Floor**
Non-contact, safe and reliable

FASTER
Improve Prevention And Control Efficiency
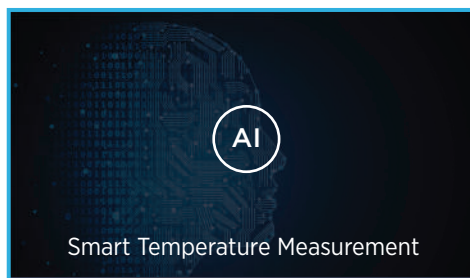

Intelligent Temperature Measurement

Face Recognition Traffic Temperature Measurement
No manual secondary intervention required

SMARTER
Ai Smart Statistics

AI
Smart Temperature Measurement

Face + Temperature Dual Identification
Quickly Record Access Information
Quickly record the entry and exit information and
temperature information of entering and exiting personnel.

Dpstar Group

THERM**SCAN**

Temporary Monitor Channel

Management Platform

Fixed Intallation Device

Applications

Suitable for permanent staff which need to do attendance statistics, such as community, apartments, schools, small and medium-sized enterprises, etc. It should be installed to the indoor.

Solution Value

1. Quick deployment: floor installation, electrical box, off-line testing

2. Multi check methods: thermometry, recognization + thermometry, human check + thermometry

3. Non-contact: up to 1.3m

4. Record：single device can store 30,000 records

5. Information binding: face captured picture + temperature information real-time recording

6. Support staff attendance management, flexible shift arrangement, attendance report automatically generated.

Dpstar Group

THERMSCAN

Safety workplace SOP - Staff & Visitor Management

Registration
Staffs/Visitors make Registration

Record Traceable
Historical staffs'/Visitors' records are aved and easy to trace

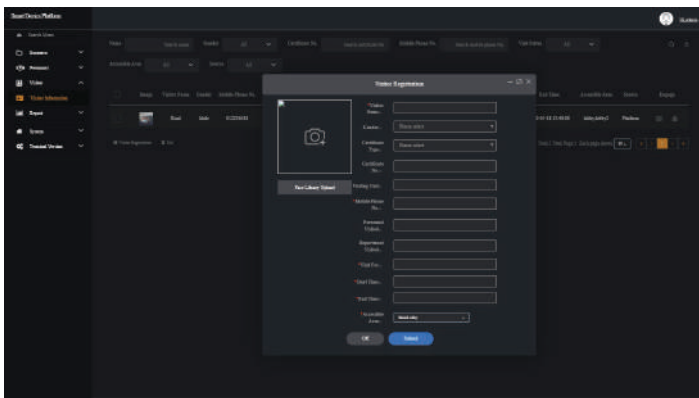### Staffs/Visitors Coming
Staffs/ Visitor arrive at the office

Permission Grant
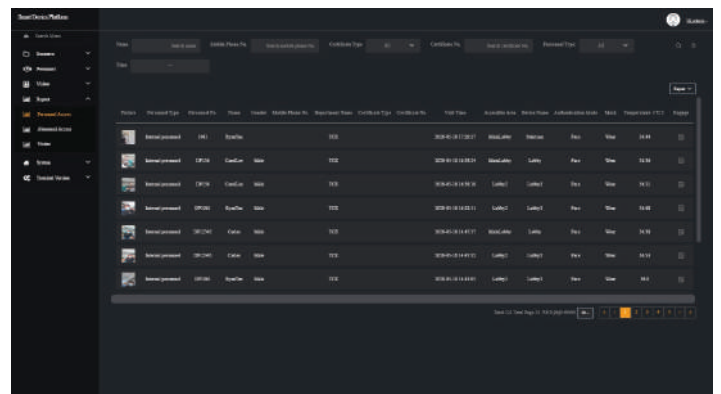Staffs/Visitors are granted with access credentials via facial recognition

Web-Based Management Platform

Registration

Personnel Access

Dpstar Group

THERMSCAN

OUR CLIENTS

QSR BRANDS

KFC · Pizza Hut · AYAMAS · Life

PETRON

maxis

SUNWAY

Sime Darby

MAPA PROFESSIONAL

PETRONAS

TOP GLOVE — TOP QUALITY, TOP EFFICIENCY

Hartalega

Dpstar Group

Application 1 : Identity Verification, Basic Thermometry

Recommended scenario : **Access scenes requiring strict identity checks**
Such as community, Office buildings, station etc.

Person in database — Thermometry

Identity check → Face Recognition → Normal personnel → Rapid transit, Improving efficiency Prevent congestion, Avoid cross-infection

Temporary visitor

(≥37.3℃) Thermometry

ID card and face compare — (≥37.3℃) Thermometry → Abnormal personnel → Manual re-inspection

Thermometry

Rapid transit, Improving efficiency, Prevent congestion, Avoid cross-infection. ← Normal personnel

Automatically **save** all passers through **time** / **face** / **ID** / **temperature**

Application 2 : Facial Recognition Thermometry & Attendance

Recommended scenario : **No contact for thermometry & attendance**
Such as small companies, schools, hospitals etc.

Stream of people → Identity check → Face Recognition → Thermometry → Normal personnel → Rapid transit, Improving efficiency Prevent congestion, Avoid cross-infection

(≥37.3℃) Thermometry

Manual re-inspection ← Abnormal personnel → Management platform

Dpstar Group
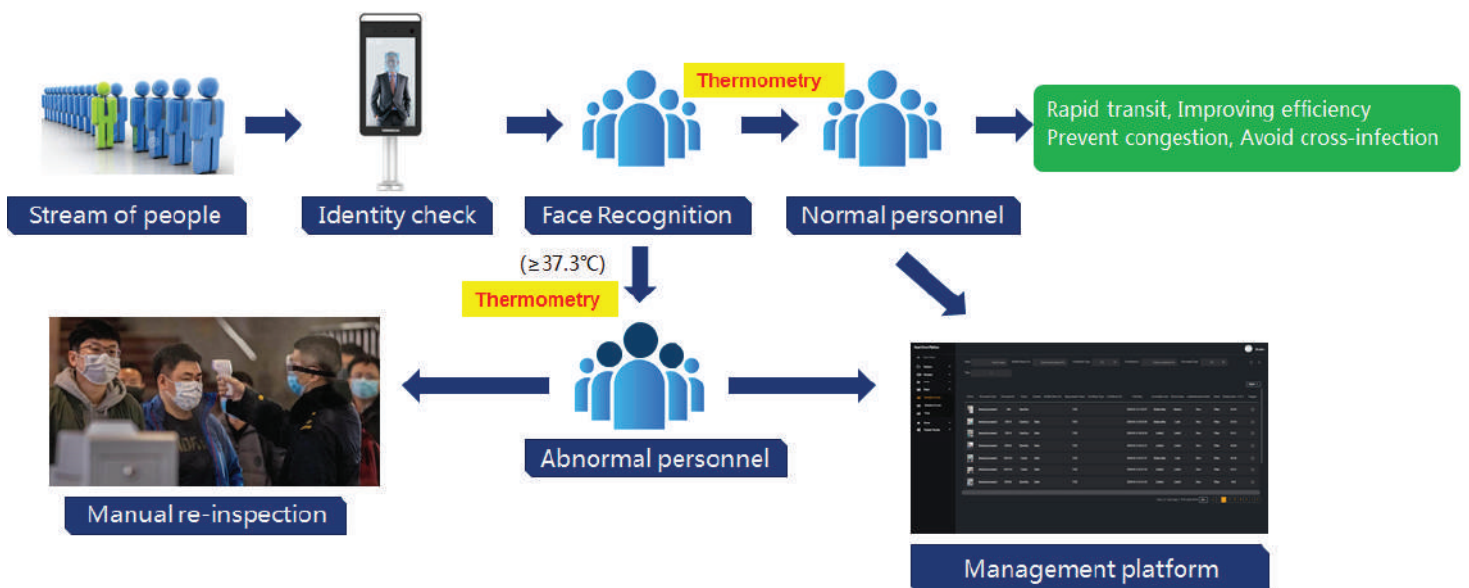
THERMSCAN

ThermScan-S

SYSTEM

Main Processor	:	MX3520
Operating System	:	Embedded LINUX
RAM	:	DDR3 512MB
ROM	:	EMMC 8GB

SCREEN

Resolution	:	600*1024
Dimensions	:	7 inch IPS HD LCD screen

CAMERA

Type	:	2MP camera
Sensor	:	1/5" GC2145
Resolution	:	NIR 800*600 15fps
Lens	:	2.4mm

CAMERA

Type	:	Daily camera
Sensor	:	1/2.8" SONY Starvis Back-illuminated CMOS sensor IMX307
Resolution	:	Color 1920*1080 30fps
Lens	:	4.5mm

BODY TEMPERATURE DETECTION

Measuring site	:	Full screen recognition
Temperature range	:	Indifferent human body temperature measurement
Temperature measuring distance	:	0.5-1.3m, 0.75m is the best
Temperature measurement accuracy	:	± 0.3℃

FACE RECOGNITION

Detection Type	:	Mask detection only
Face recognition distance	:	0.5-2.3m
Face database capacity	:	Max support 30,000 faces
Face Posture	:	Vertical 58°-60°, horizontal 35°
Occlusion	:	Ordinary glasses and short sea retention have no effect on recognition.
Expression	:	Under normal circumstances, slight expressions do not affect recognition.
Response Speed	:	About 200ms
Face exposure	:	Support
Local Storage	:	Support storage of 25,000 records
Recognition area	:	Full screen recognition
Upload Method	:	TCP, HTTP, MQTT

NETWORK FUNCTIONS

Network protocol	:	IPv4, TCP/IP, HTTP
Interface protocol	:	Private protocol
Security Mode	:	Authorized password
Event linkage	:	Voice broadcast,Abnormal event upload to the platform
System Upgrade	:	Support remote upgrade

ACCESSORIES

Supplementary light	:	IR light, LED white light
Identification Module	:	/
Audio out	:	Built in Speaker support voice broadcast after successful recognition
Network Module	:	/

INTERFACE

Network Interface	:	RJ45 10M/100M Network Adaptation
Alarm Input	:	/
Alarm Output	:	/
Relay Output	:	Support
RS485 interface	:	Support
TF card slot	:	/
HDMI	:	/
Reset key	:	Support
Anti-disassembly switch	:	/

GENERAL

Housing	:	Aluminum alloy, Ultra-white tempered glass panel, IP66
Operating Temperature	:	10 ℃ ~ 50 ℃
Working humidity	:	10% -90% Non-condensing
Storage Temperature	:	-40 ℃ ~ 70 ℃
Storage humidity	:	5% -95% Non-condensing
Protection Level	:	/
Power Supply	:	DC12V
Power dissipation (maximum)	:	≤ 12 W
Dimensions (mm)	:	219 (W) * 111 (H) * 21.5 (T)
Bracket size (mm)	:	Ø 33*189
Installation Method	:	Desktop installation/ Floor installation / Gate machine installation/ Column installation/ Wall installation

Dpstar Group