

# FACIAL RECOGNITION WITH THERMAL IMAGING

AI (Artificial Intelligence) technology is deployed in our new Facial Recognition with Thermal Imaging application and can capture the face temperature, even if the identifying person is wearing a face mask. Detection via this intelligent terminal integrates face detection, temperature measurement, facial contrast recognition and heating imaging via our contactless temperature measurement module.

When the identifying person engages with the face recognition terminal, the human body surface temperature can be measured by the thermal imaging technology. The face recognition process is an accurate, reliable and efficient non-contact experience.

If the temperature of the detected person exceeds a certain threshold, the signal light of the terminal will send out an abnormal warning and carry out a voice warning.

Images are captured successful or non-successful and stored in a secure managed on site database if chosen by the customer deploying the product, or via a separate subscription to our cloud application.

**Abnormal Thermal Imaging Detection with Facial Recognition using AI Intelligence. This product is designed to be an aid and is not a medical device.**



**SUITABLE FOR:**

Aged Care, Hospitals, Hotels, Offices, Schools, Workplaces, Gaming Industries.

## Benefits



**INTREGRATES WITH DOOR ACCESS CONTROL SYSTEMS**

Optimized for entrances in aged care, hotels, office buildings, schools, shopping malls, shops, communities, public services and management projects that need to use face access to control access and health well-being.



**NON CONTACT AUTOMATIC TEMPERATURE MEASUREMENT**

Secure door control by easily interfacing to the output relay ensuring only visitors or staff with body temperatures within normal range to gain access to your business.



**STRANGER WARNING AND BLACKLIST MANAGEMENT**

Blacklisting is available by our cloud subscribed application ensuring someone whom does not have any authority to ever enter a building will not gain access when interfaced to the access control system.



**PROOF OF IDENTITY FOR STAFF**

Payroll sign in systems which include existing fingerprint scanning technologies can easily be interfaced ensuring all staff members are within safe temperature ranges before commencing their shifts.



EASY SOFTWARE AND HARDWARE CONNECTIONS



## Key Features

- Measurement Distance: 50 - 150cm
- Camera: 2 Mega Pixels Binocular wide dynamic
- Tablet Screen: 8.0 Inch LCD Screen
- Network: WiFi and Ethernet
- 20,000 Photo Database local on device
- Manage Contractors, Staff and log visitors as strangers
- Integrate to existing Access Control, Fingerprint Scanners and other devices for management
- Wall Mount, Desk Mount and Tripod Mounts available

**+ - 3%**  
Accurating Scan  
In >.2 of a Second



EASY INSTALLATION



EASY SOFTWARE AND HARDWARE CONNECTIONS

## Solution Highlight

Super fast temperature checks and facial recognition



### > .2 Second Accurate Body Temperature Detection

It only takes a few seconds for detection and an alarm will sound automatically when temperature abnormality is detected - at a threshold set by you.



### Fast and Precise Smart Facial Recognition

Face recognition pass speed is >.2 of a second and supports recognition and comparison of faces with surgical masks.



### Durable, Commercial-Grade Hardware

Strong and durable construction materials for increased reliability of equipment use.



### Fast Management and Intuitive Analysis

Quickly manage over 20,000 facial images, verify display statistics and analysis of relevant personal information with a single click. Subscription Cloud service hosted on Google Cloud enterprise architecture.



8 Inch AI Face Recognition  
Detection Thermometer  
Thermal Imaging Measurement  
Technology

## FACIAL RECOGNITION CAMERA WITH INFRARED THERMAL IMAGING TEMPERATURE MEASUREMENT



- Mask Detection Face Recognition
- Access Control Security



AI thermal imaging face temperature detection intelligent terminal (model xxkb-22) is a face detection and temperature measurement product that integrates facial contrast recognition heating imaging contactless temperature measurement module.

PRODUCT	MODEL	ASC8I
CAMERA	Pixels	Two mega pixels
	Type	Binocular wide dynamic camera
	Measurement distance	50-150cm
	White balance	Automatic
SCREEN	Size	8.0-inch IPS LCD screen
	Resolution	800x1280
PROCESSOR	CPU	Rk3288 Quad core, RAM 2G, main frequency is up to 1.8GHz
	Local memory	EMMC 8G
THERMAL CHIP	16 x 4 Array	Digital Thermopile 16 x 4 Array Chipset
PORTS	Network Module	Support Ethernet, wireless (WIFI)
	Audio	Support for 2.5w /4R speakers
	USB Ports	USB OTG*1, USBHOST*1 standard port A
	Serial Communication Interface	Rs232 com port*1
	Relay output	Door opening signal output*1
	Wiggins interface	Wigan 26/34 output*1, Wigan 26/34 input*1
	Upgrade	Support u-boot upgrade
FUNCTION	Wired network interface	Rj45 Ethernet seat*1
	Face Detection	Support for detection and tracking of multiple people at the same time
	Face database capacity	Maximum 20000
	1: N Face recognition	Supported
	1:1 Face Comparison	Supported
	Stranger Detection	Supported
	Recognition distance Settings	Supported
	UI Interface settings	Supported
	Remote upgrade	Supported
	Ports of device	Interfaces include device management, people/photo management, record query, etc
GENERAL PARAMETER	Usage	Support public cloud deployment, private deployment, LAN use, used stand-alone
	Protection grade	Ip65, Certain outdoor dustproof waterproof function
	Power supply	DC12V (±10%)
	Operating temperature	- 10°C~60 °C
	Storage temperature	- 20°C~60 °C
	Power consumption	13.5W(Max)
	Installation method	Gate access door bracket installation
Dimensions	260.18*132.88*61.7(mm)	
Weight	1.5kg	

### DIFFERENT WAYS OF INSTALLATION



Tripod Type



Station type



Desktop Type



Multiple Connectors