8" FACIAL RECOGNITION THERMOMETER DISPLAY

kuiper lumen

AUTOMATED CONTACTLESS TEMPERATURE CHECKING

Using Melexis thermal imaging technology, in conjunction with cooling fans to maximise accuracy, this complete solution can read a user's temperature and display the results in 1.8 seconds, even if they are wearing a mask. The automated nature of this system not only efficiently reduces manual labour, but also means it is completely contactless, which is of paramount importance in today's world.

Contactless Temperature Display

HIGH SECURITY FACIAL RECOGNITION

With 99.7% identification accuracy, this solution can also be used as a check in/out system for offices, warehouses and other secure locations. You can even create a whitelist and blacklist to control and restrict access, as well as recording all building entries. Adjust the identification security levels from using the photo on an ID card to high level military standard using a 3D face scan and body temperature check.

FACE ID
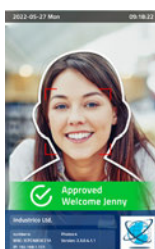
- Strip-Light Indicator
- Mask Detection System
- Accurate Thermal Imaging
- All-in-One Hardware/Software Solution
- Synchronise with Existing Systems
- Fever Alarm
- Robust Metal Enclosure
- Clock In/Out System
- Various Mounting Options
- Hand Sanitiser Add-On

# OTHER FEATURES

MASK DETECTION SYSTEM

As well as reading body temperature, the system can also check if the user is wearing a mask if this is an entry requirement to your building. This feature can also be disabled if not required.

Works with protective face masks

STRIP-LIGHT INDICATOR

When taking a temperature or mask checking reading, this acts as on-camera illumination for more accurate results. It also synchronises with the software to indicate acceptance (green) or rejection (red) based on user-defined conditions.
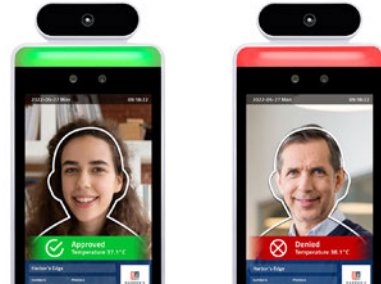
ALL-IN-ONE SOLUTION

This is a full turnkey system, comprising of a 24/7 IPS panel, dual-lens optical facial recognition cameras, a thermal imaging module, an indication light, optional RFID/NFC integration and even the software to control, record and monitor all the functionality.

SYNCHRONISE WITH EXISTING SYSTEMS

Using the connection interface, this solution can be integrated with existing door or ticketing systems. Using the software included, you can stipulate entry conditions such as an acceptable temperature range, mask checking and specific user entry or restriction.
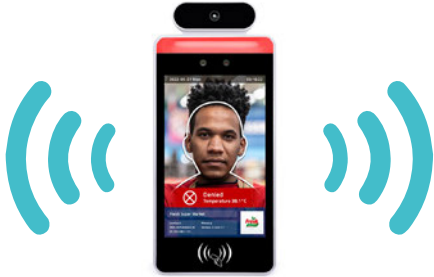
Automatically Open Doors

DC 12V

USB HOST

UBOOT

Wiegand OUT

USB OTG

Ethernet

Wiegand IN

Relay

RS-232
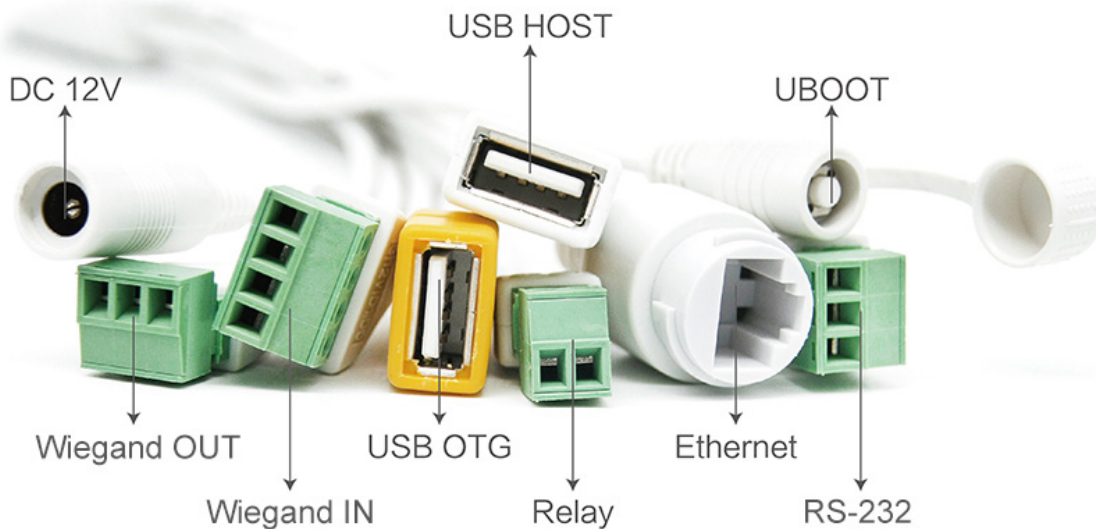
OTHER FEATURES

FEVER ALARM

When a user's temperature reading exceeds a stipulated temperature, a visual and audio alarm activate to alert the user that they have a fever. This feature can also be disabled if not required.

OPTIONAL NFC INTERGRATION

If you want to incorporate an ID card reader for building access you can do so. This feature can also be controlled and managed by the software that is included.

SOFTWARE INCLUDED

The software is included at no extra cost and can be easily installed on your own PC or server to maximise security. Create separate login accounts with varying privileges, for example an account can be created for a receptionist to only register visitors. Can also work offline if required.

Manage Online

ACCURATE THERMAL IMAGING

Using a Melexis dual-chip system, the thermal imaging module measures the ambient temperature as well as the user's body temperature to maximise accuracy. The module also features a cooling fan to further improve the precision of the reading. The full sensor temperature range is -40°C to 85°C with an accuracy of ±0.3°C.

MOUNTING OPTIONS

As standard this solution comes with an adjustable desk mounted pole. Optional mounting options include: a flush fit or adjustable wall mount, a desk stand, or a floor stand. All stand options have a modern integrated blue LED light strip.


24/7 COMMERCIAL GRADE

This is a truly commercial grade solution as it can be in constant use around the clock. This is ideal for 24/7 commercial locations like supermarkets and gyms, as well as corporate and warehouse settings when used as a clocking in/out system.

OPTIONAL AUTOMATIC HAND SANITISER

If you are utilising the floor stand, you can also add on an optional hand sanitiser dispenser to provide an extra level of safety.
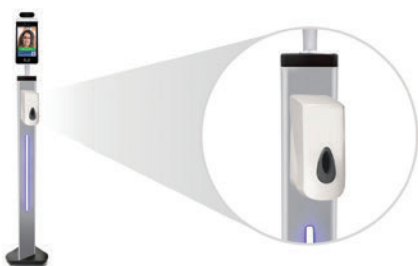
ROBUST METAL ENCLOSURE

To add to its commercial credentials, the enclosure is manufactured using aluminium rather than plastic as this is less likely to be damaged in locations such as warehouses and factory floors.
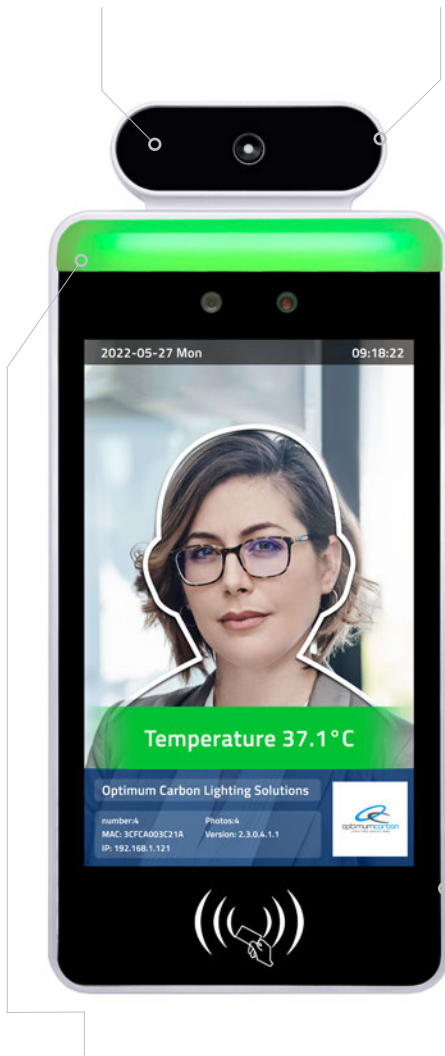
KEY FEATURES

THERMAL IMAGING COOLING FAN

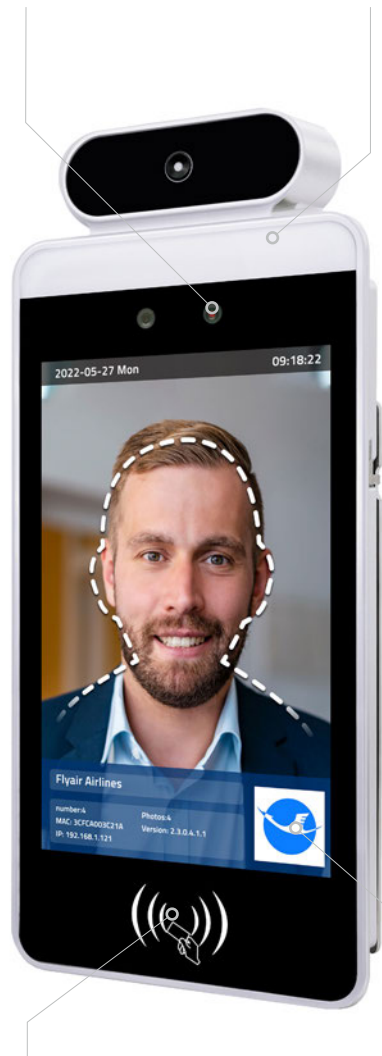**THERMAL IMAGING MODULE**

DUAL-LENS OPTICAL CAMERAS

24/7 IPS PANEL

2022-05-27 Mon   09:18:22

Temperature 37.1°C

Optimum Carbon Lighting Solutions

number:4   Photos:4
MAC: 3CFCA003C21A   Version: 2.3.0.4.1.1
IP: 192.168.1.121

2022-05-27 Mon   09:18:22

Flyair Airlines

number:4   Photos:4
MAC: 3CFCA003C21A   Version: 2.3.0.4.1.1
IP: 192.168.1.121

STRIP-LIGHT INDICATOR/ FLOOD LIGHT

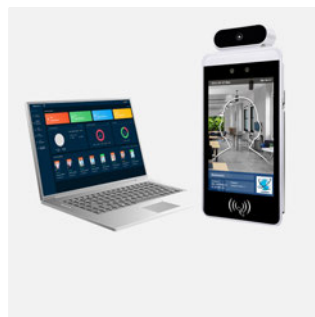**ROBUST METAL ENCLOSURE**

OPTIONAL NFC INTEGRATION

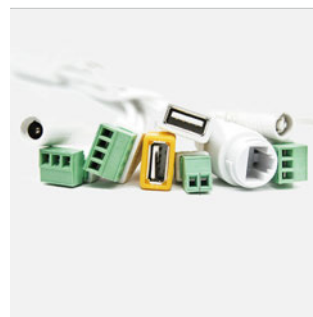**CUSTOMISABLE INTERFACE**
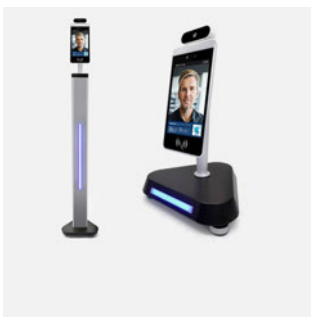
MOUNTING/STAND OPTIONS

SOFTWARE INCLUDED

CONNECTIVITY INTERFACE
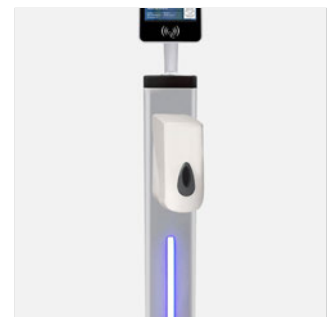
HAND SANITISER ADD-ON

SPECIFICATION TABLE

		8 Inch
Panel	Resolution	800x1280
	Display Area (mm)	107.62x172.18
	Aspect Ratio	10:16
	Brightness (cd/m ^{2})	450
	Colour	16.7M
	Viewing Angle	178°
	Contrast Ratio	5000:1
Optical Camera	Resolution	HD (2 million pixels)
	Type	Binocular dual-lens (wide dynamic camera)
	Aperture	F2.4
	Optimal Focus Range	50cm-1.5m
	White Balance	Auto
Thermal Imaging Module	Optimal Reading Distance	50cm-1m
	Measurement Accuracy	±0.3°C
	Measurement Range	10°C-42°C
	Thermal field of view	32°Cx32°C
Interface	Network Module	1 x Ethernet RJ-45 Port, WiFi
	USB	1 x USB OTG, 1 x USB HOST
	Serial	1 x RS-232 serial port
	Relay	1 x Output
	Wiegand	1 x Input, 1 x Output
Software	Temperature Alarm	Optional
	Face Library	30,000
	Facial Recognition Security	Level 1-4
	1:N Facial Recognition	Supported
	1:1 Face Comparison	Supported
	Firmware Upgrades	Supported
Mechanical	Unit Size (WxHxD mm)	132.88x296.18x25
	Package Size (WxHxD mm)	180x430x120
	Net Weight (kg)	1.5
	Gross Weight (kg)	4
Computer	CPU	RK3288 quad-core
	Operating System	Android 7.1.2
	Storage	EMMC 8G
Audio	Speaker Type	2.5W, 4Ω (x2)
Power	Power Consumption (W)	13.5 (Maximum)
	Input Voltage	DC12V
Environmental	Operating Temperature	0 °C to 60 °C
	Storage Temperature	-20°C to 60°C
	Operating Humidity	10% to 80%
	Storage Humidity	5% to 95%
Accessories	Included	Scheduling Software, Remote Control, User Manual, Charger, Mains Power Cable
	Optional	Network Upgrade, Security Chain
Standards	Certification	CE, FCC & ROHS
Warranty	Warranty Period	3 Year Warranty
	Technical Support	Lifetime

Errors and omissions excepted

TECHNICAL DRAWING

132.88mm

90mm

36mm

Infrared thermal imaging module

heat sink

260.18mm

Height adjustment

Speaker

61.7mm