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Business Technologies

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Documentelligence™: Innovative Solutions, Services & Support

thermal facial recognition

Protective Screening

The Documentelligence™ Temperature & Facial Recognition display can prevent intruders and people with elevated temperature or no mask from entering your offices, schools, hospitals & public facilities.

Features

- ☑ Securely scan in less than one second with on-board AI
- ☑ Live video assistance for real time entry approval
- ☑ Provides access control integration for automatic doors
- ☑ Centralized management for multiple scanners, data and attendance

How is facial recognition handled?

Documentelligence™ Temperature & Facial Recognition compares your image with the face database stored locally in the device. With the Bioassay feature, it can differentiate between a live face (living body) and a photo and denies access if someone tries to scan a photo. It recognizes faces even when the person is wearing a protective mass and supports 1:1 and N:1 facial recognition algorithm for higher accuracy. Facial recognition can be completed against a face database of 30,000 people in one second.

What is the accuracy of the facial recognition scan?

The 1:1 comparison recognition rate is more than 99.7%, and the live detection accuracy rate is 98.3%. Face recognition pass speed is less than 1 second. It supports accurate face recognition and comparison while wearing mask.

Is it intelligent enough to differentiate between other hot objects such as a "hot cup of coffee" and a fever?

It will only scan faces and not other objects. However, if you are holding a hot cup of coffee near your face, the thermal scanner reading will not correct as the temperature in front of the face is going to be elevated.

Is it possible to add ID card & fingerprint scanners?

Yes, add optional peripherals including ID card & fingerprint scanners. Match faces with the ID Card and fingerprints to improve accuracy. Other peripherals also supported including IC card reader & two-dimensional code reader.

Does Documentelligence™ Temperature & Facial Recognition connect with doors, gates, peripheral devices & network?

Industrial standard interfaces (Wiegand, Relay, RS-232) for controlling doors and gates. USB interfaces for connecting peripheral devices and firmware updates. Ethernet and Wi-Fi connection for network management.

Connect with doors, gates, peripheral devices & network

Does it sound an alarm when a person with fever is detected?

Yes. An alarm rings upon elevated temperature detection alongside the lights blinking red. With the alert OFF it says "Abnormal temperature + red light" in a friendly voice.

What secure data is stored on the device and is it secure?

Documentelligence™ Temperature & Facial Recognition is a screening device and can be used in offline mode without connecting it to any network. GoSafe stores pictures at time of entry of employees that were recognized. It can also store pictures of strangers if the setting for capturing strangers is enabled. It also stores the temperature at time of entry, the date and time of entry and employee ID.

How many devices are recommended per customer or employee count?

One Documentelligence™ Temperature & Facial Recognition can scan approximately 15 people per minute assuming they stand at least 6 feet apart. You can determine how many units you need based on the rate at which the employees enter at the facilities entry points over a given period of time.

Wall Mount

Table Top

Vertical Stand

Will Documentelligence™ Temperature & Facial Recognition detect if a face mask is being worn?

Yes, it detects if a protective mask is being worn. You can select the additional protection to deny entry if the person is not wearing a mask. The light will also blink red and the device will ask user to wear a mask in order to be granted access.

Is Documentelligence™ Temperature & Facial Recognition a hands-free operation?

Yes, its embedded thermal & face recognition sensors provide 100% hands-free user authentication.

Admittance
Body temperature is 36.2℃

Traffic prohibited
Body temperature is 38.2℃No mask

SPECIFICATIONS

Screen

Size	8.0" IPS LCD screen
Resolution	800x1280
Design	Industrial-grade, waterproof, dustproof & vandal-proof

Processor

CPU	Qualcomm Snapdragon Octa-Core Processor
CPU (Optional)	Rockchip RK3288 Quad-Core
System	Android 7.1.2
Storage	EMMC 8 GB

Camera

Resolution	2 million pixels
Type	Binocular vision wide dynamic camera
Aperture	F2.4
Focusing Distance	19.6"– 60"
White Balance	Auto
Photo Flood Light	LED and IR dual photo flood light

Infrared Thermal Imaging Module

Temperature Detection	Available
Temperature Detection Distance	3.2' (optimal distance 1.6')
Temperature Measurement Accuracy	≤ ±0.9 °F
Temperature Measurement Range	50 °F – 107.6 °F
Thermal Field of View	89.6 x 89.6 °
Elevated Temperature Alarm	Supported (temperature alarm value can be set)

Interfaces

Network Module	Ethernet (RJ-45) and Wireless (Wi-Fi)
Audio	2.5W / 4R speakers
USB	1 USB OTG, 1USB HOST standard A port

Serial Communication	1 RS232 serial port
Relay Output	1 door open signal output
Wiegand	1 Wiegand 26/34 output and input
Upgrade Button	Supports USB boot upgrade button

Access Control

Facial Recognition based Access Control	1:1 & N:1 face recognition
Face Mask Detection based Access Control	Available
Elevated Temperature based Access Control	Available
ID Card based Access Control	Optional IC card, S50, NTAG, CPU, DESfire
Barcode Reader based Access Control	Optional Barcode, 2D Barcode & QR Code Reader
Call Receptionist / Security to Grant Access	Available
Call IT / Screen Skills Guru for Support	Available
Face Library	Up to 30,000

Remote Management

Attendance Tracking & Reporting	Available
User Interface Customization	Available
Remote Device Management	Available
Remote Database Management	Available
Remote Firmware Upgrade	Available

System

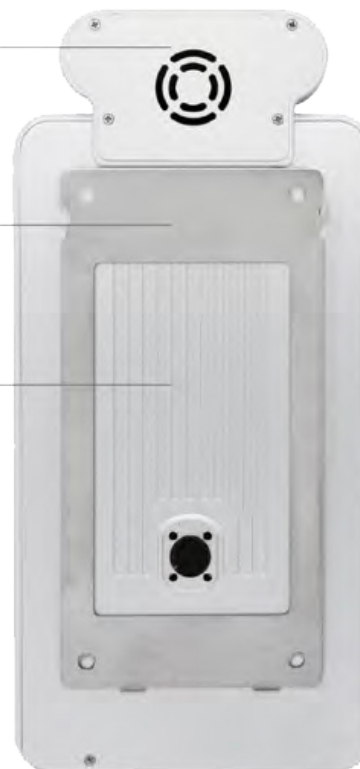|	
Power	DC 12V
Operating Temperature	0 °F – 140 °F
Power Consumption	13.5W Max
Installation Method	Wall Mount, Table Stand & Floor Stand
Product Size	11.66" x 5.23"x 0.98"
What's in the Box	OneScreen GoSafe, Power Adapter, User Manual

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