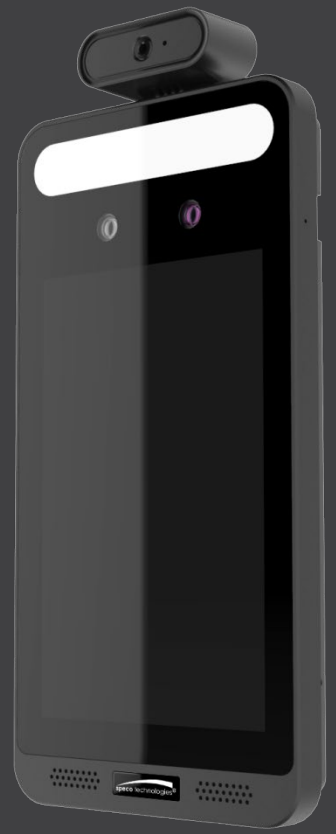
speco technologies



O2TML

Thermal, Face, and Mask Detecting Screening Panel

Introduction & Overview

100% Contactless Solution

Feature Highlights



- 1/2.7” Image Sensor
- Lens 2MP Dual-lens, f=3.97mm @ F1.6
- WDR 120db
- 8-inch LCD Screen
- Supports IR High-Accuracy Temperature Measurement
- Can Recognize Faces With Masks
- Triggers Voice Alarm When Abnormal Temperature Or A Mask-less Face Is Detected
- Deep Learning Algorithm With High Face Recognition Accuracy Rate
- Supports Remote Live View And Two-Way Talk
- Wiegand Input/Output (26 bit/34 bit formats)
- Includes Wall Mount Plate





ETA June 15

1 YEAR WARRANTY

speco technologies

Non-contact infrared temperature measurement

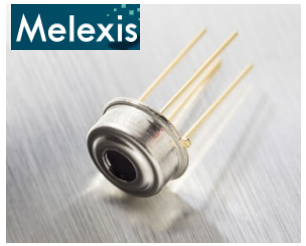
Abnormal situation monitoring

Precise face recognition with mask on

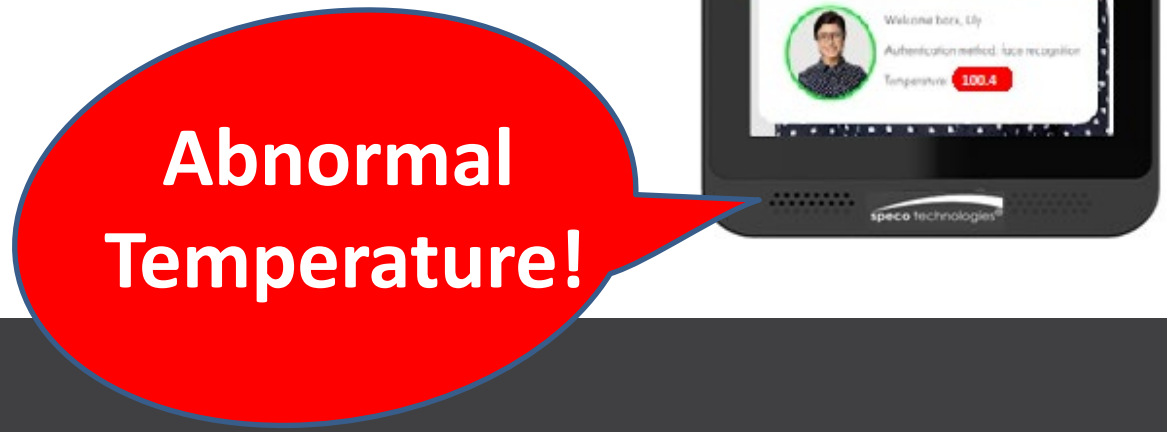
Voice alert for abnormal situation

Febrile (Fever) Detection

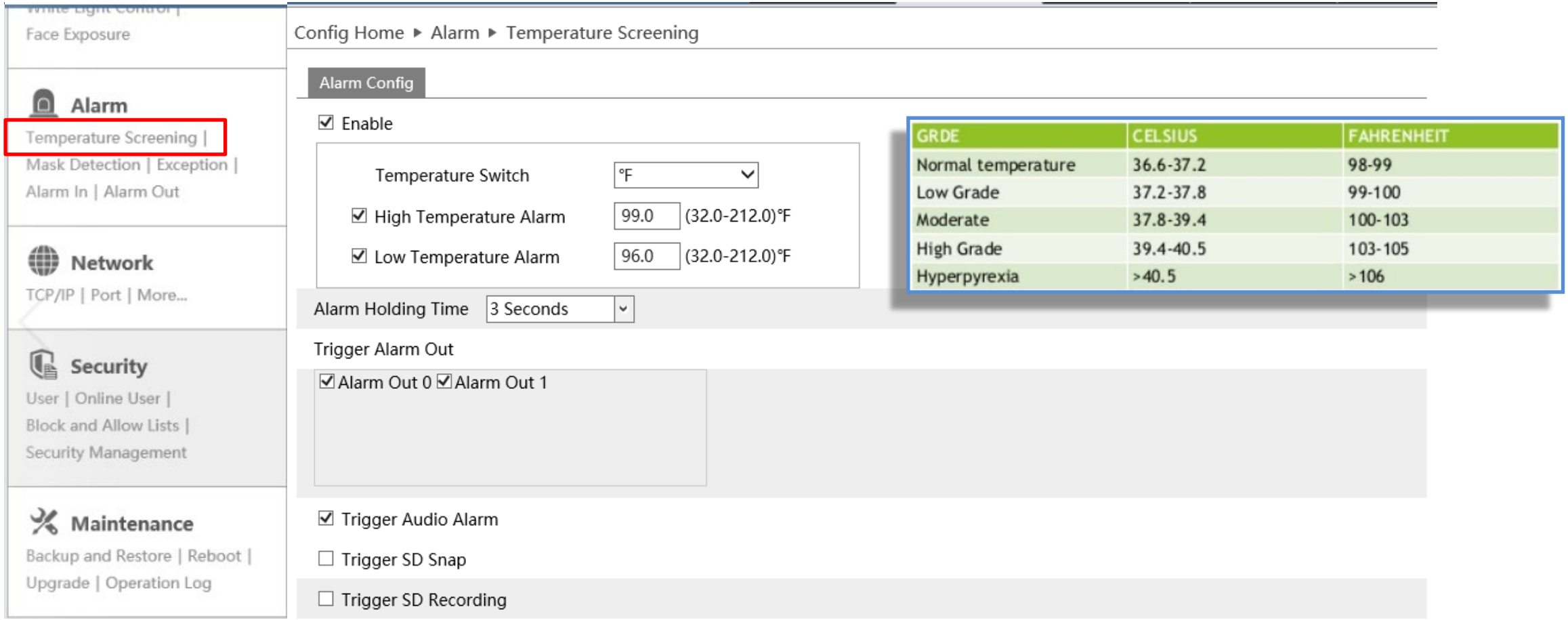
- High-Quality Infrared Contactless Sensor
- Measuring Distance 1ft~ 1.6ft
- Temperature Measuring Range: 32° ~122° F
- Accuracy: ± 0.5° F
- Quick Reading: About 2 Seconds
- Real-Time Temperature Display
- Triggers An Audible Voice Alarm For Normal Or Elevated Temperatures
- Best To Be Used Indoors For Maximum Accuracy
- **This Device Is Not Intended For Use In The Diagnosis Of Any Disease Or Other Condition Or In The Cure, Mitigation, Treatment Or Prevention Of Any Disease! This Is Not FDA Approved.**



IR Thermopile Sensor
Factory Calibrated
No Calibration Box Needed



Temperature Settings

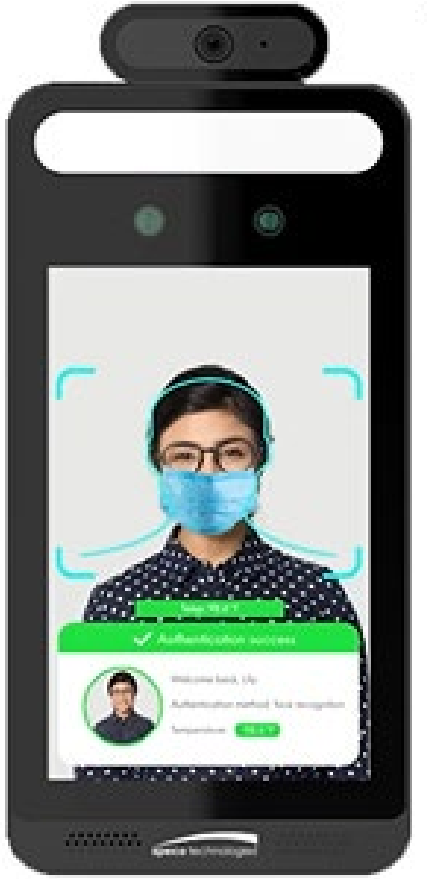


GRDE	CELSIUS	FAHRENHEIT
Normal temperature	36.6-37.2	98-99
Low Grade	37.2-37.8	99-100
Moderate	37.8-39.4	100-103
High Grade	39.4-40.5	103-105
Hyperpyrexia	>40.5	>106

Mask Detection

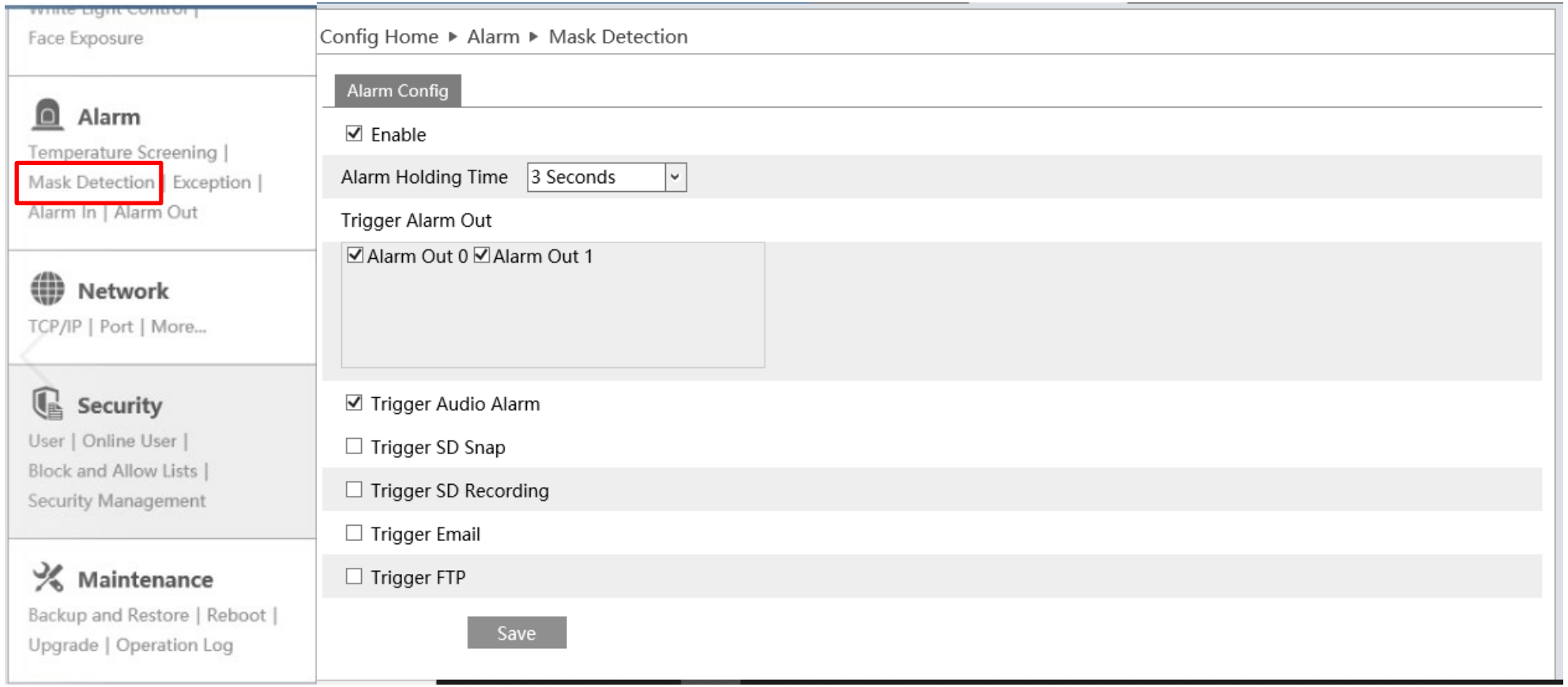
- Detects If User Is Wearing A Facemask Or Not
- Can Still Recognize Face With Mask On.
- Measuring Distance 1ft~1.6ft
- Temperature Measuring Range: 32º ~122º F
- Real-Time Display To Show Compliance
- Adds Another Level Of Safety
- Voice Warning If Mask Is Not Detected





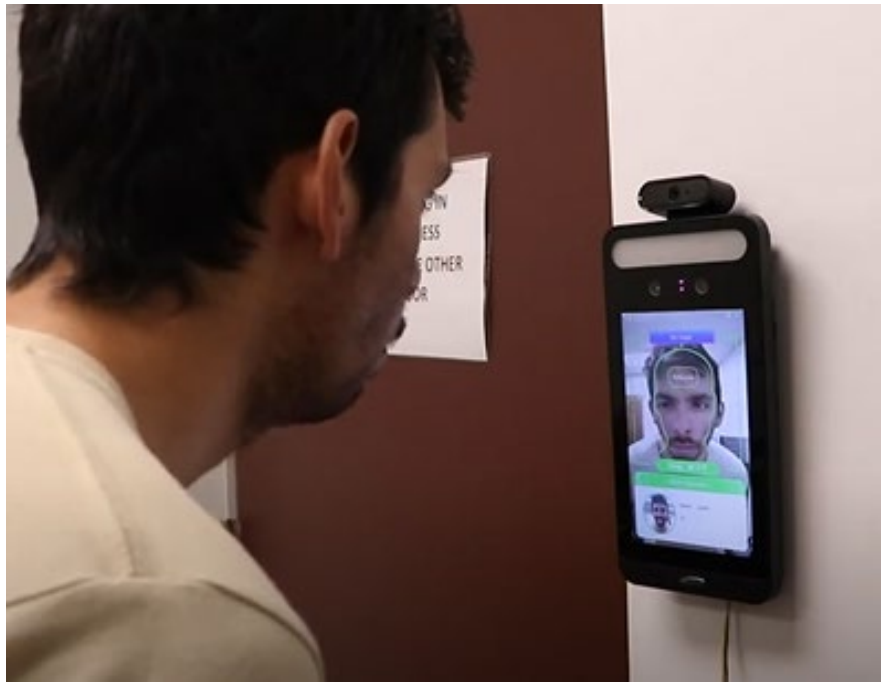


Mask Detection Settings

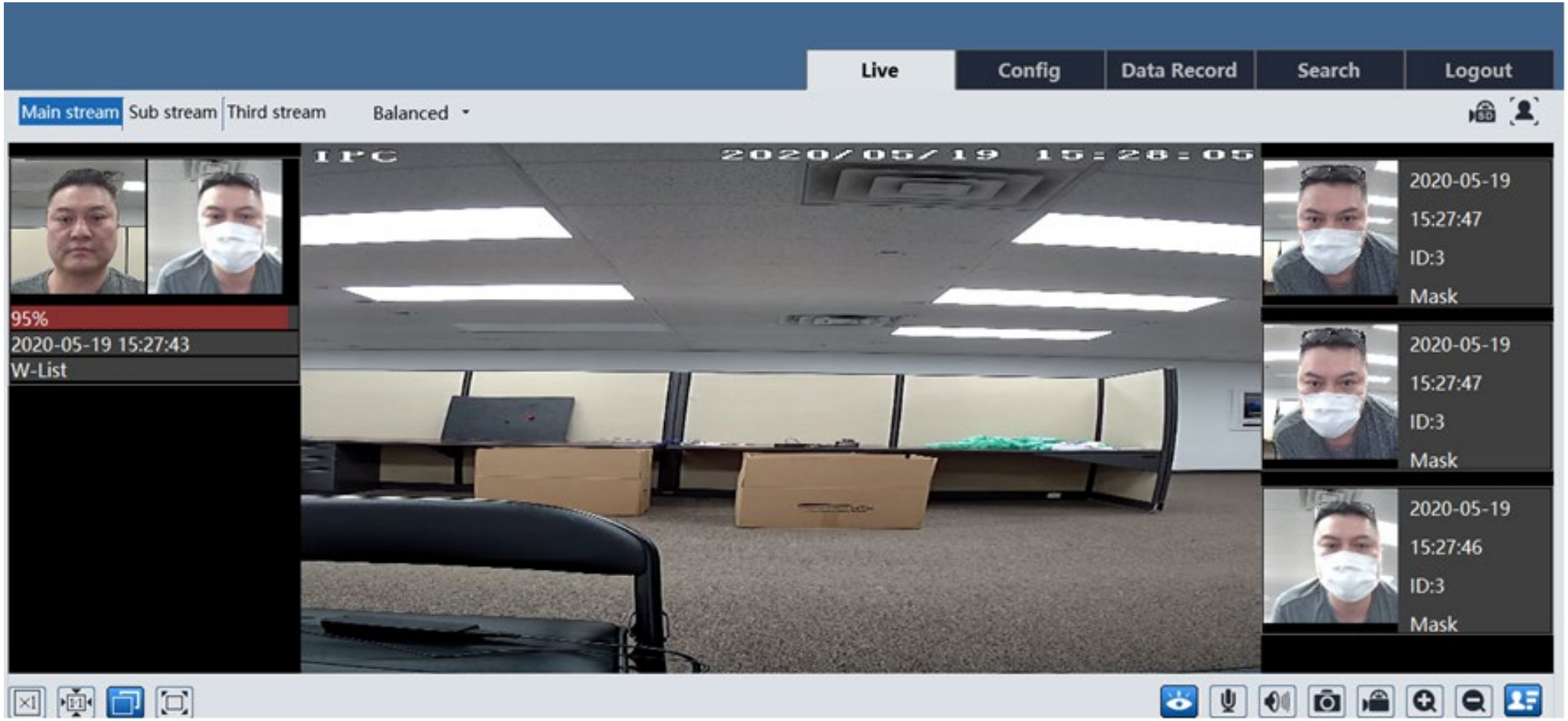


Face Detection

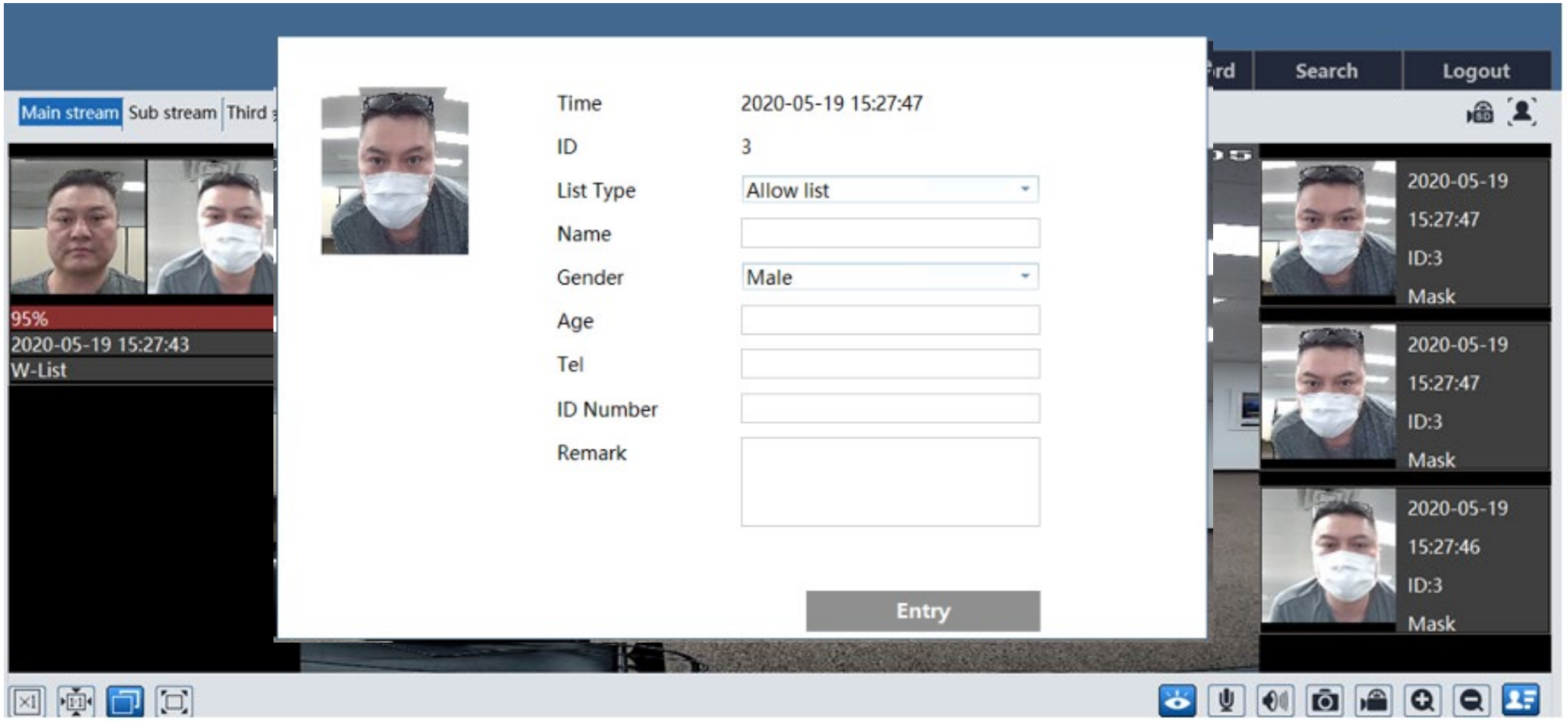
- Height Range Of Face Recognition-3.9ft - 7.2ft
  Recommended Installation Height Is 4.75ft
- Face Recognition Distance- 1ft - 6.5ft
- Recognition Duration ≤ 0.5 s Per Person
- Face Capacity 20,000
- Recognition Accuracy 99.7%
- Can Detect Faces With Mask On



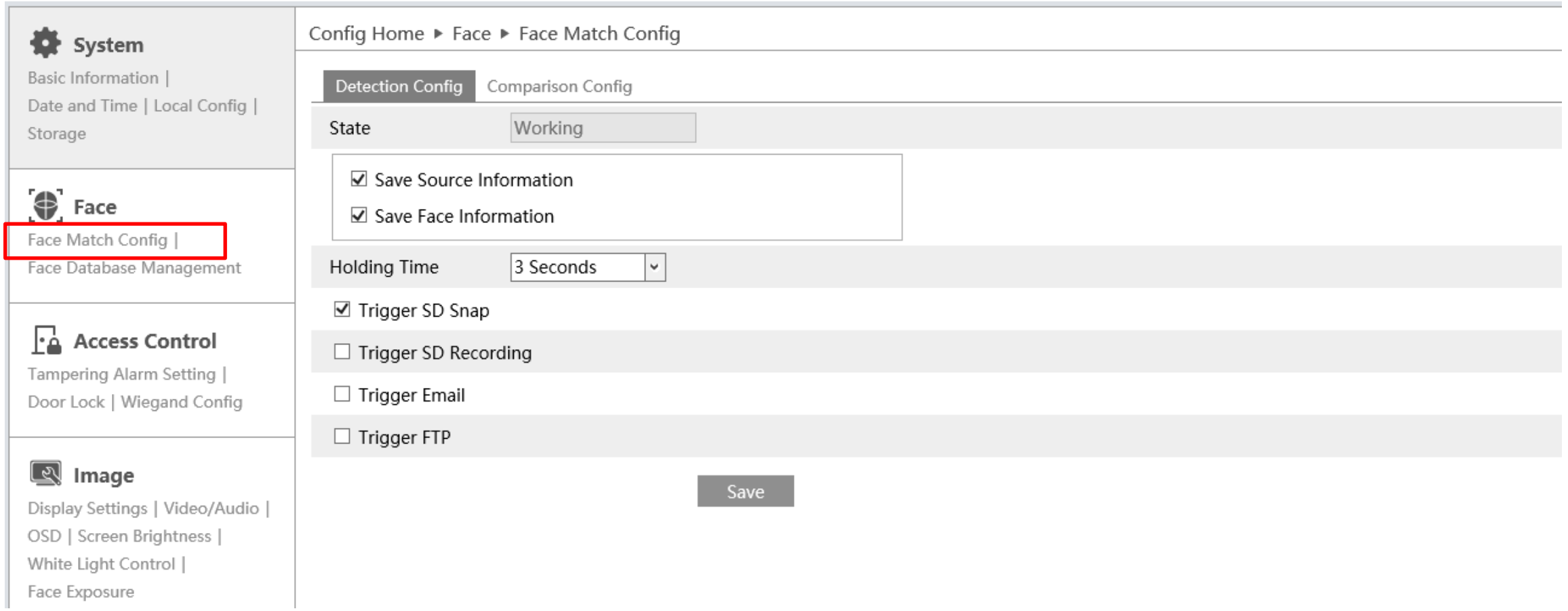
Face Capture Registration



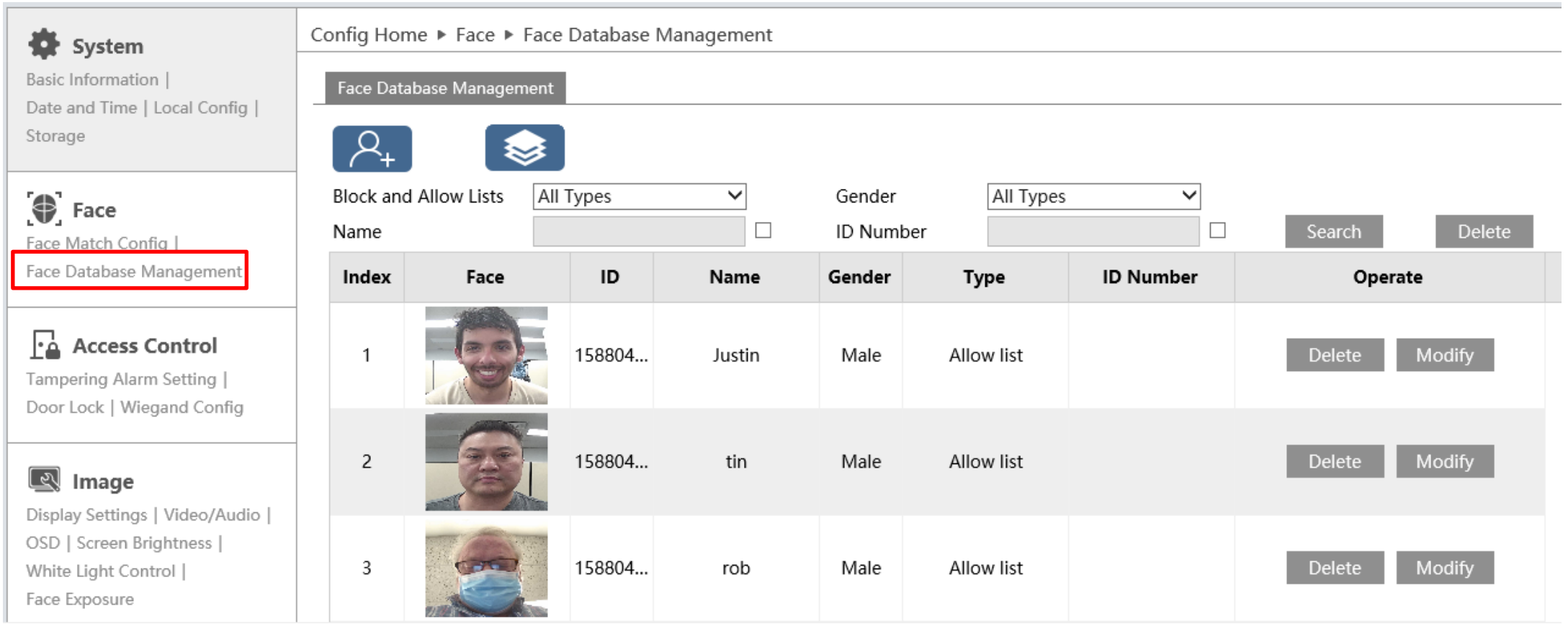
Face Capture Registration



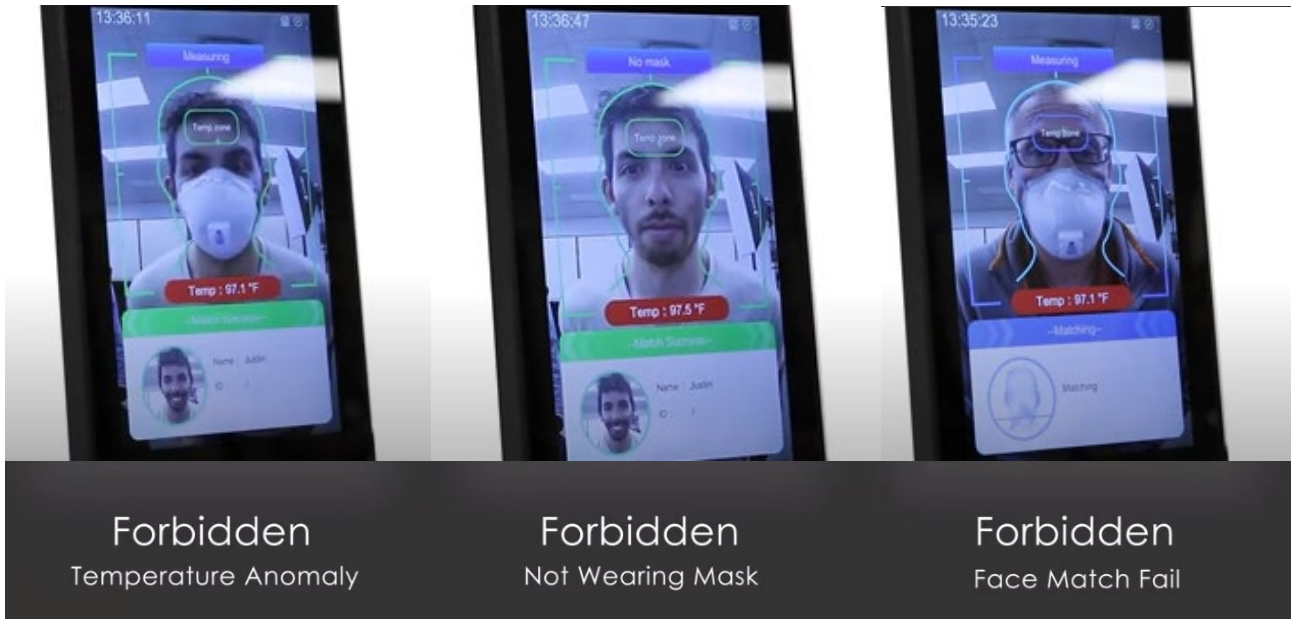
Face Detection Settings

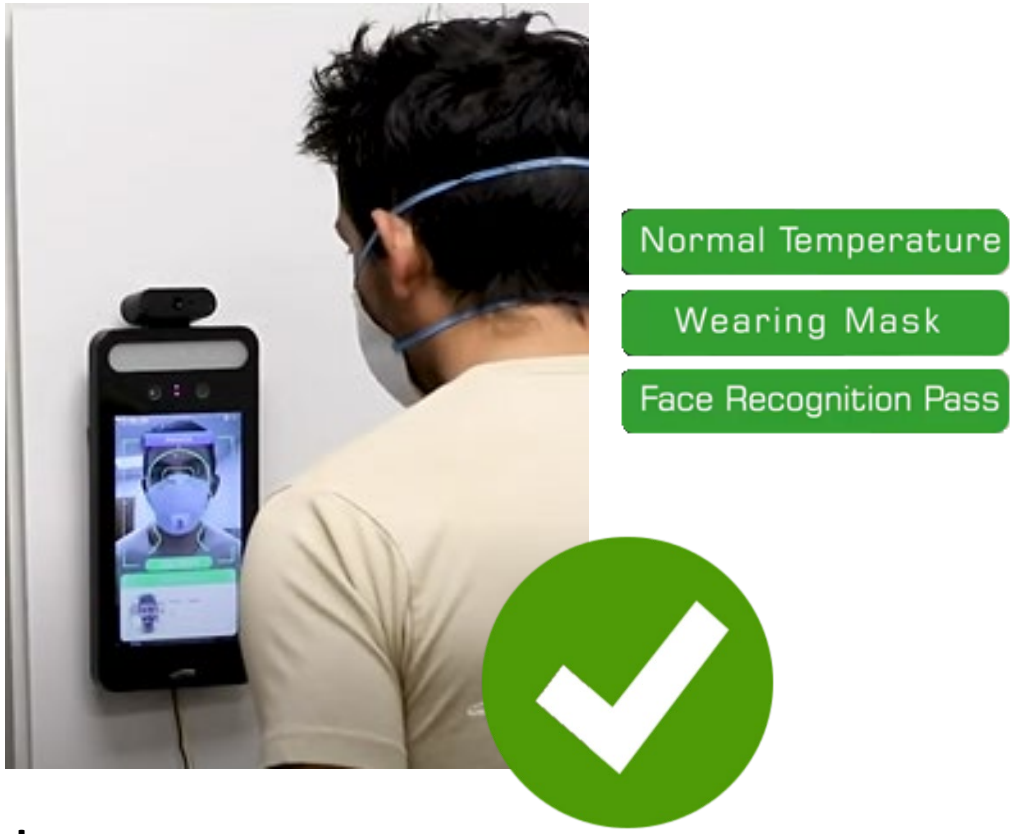


Face Management



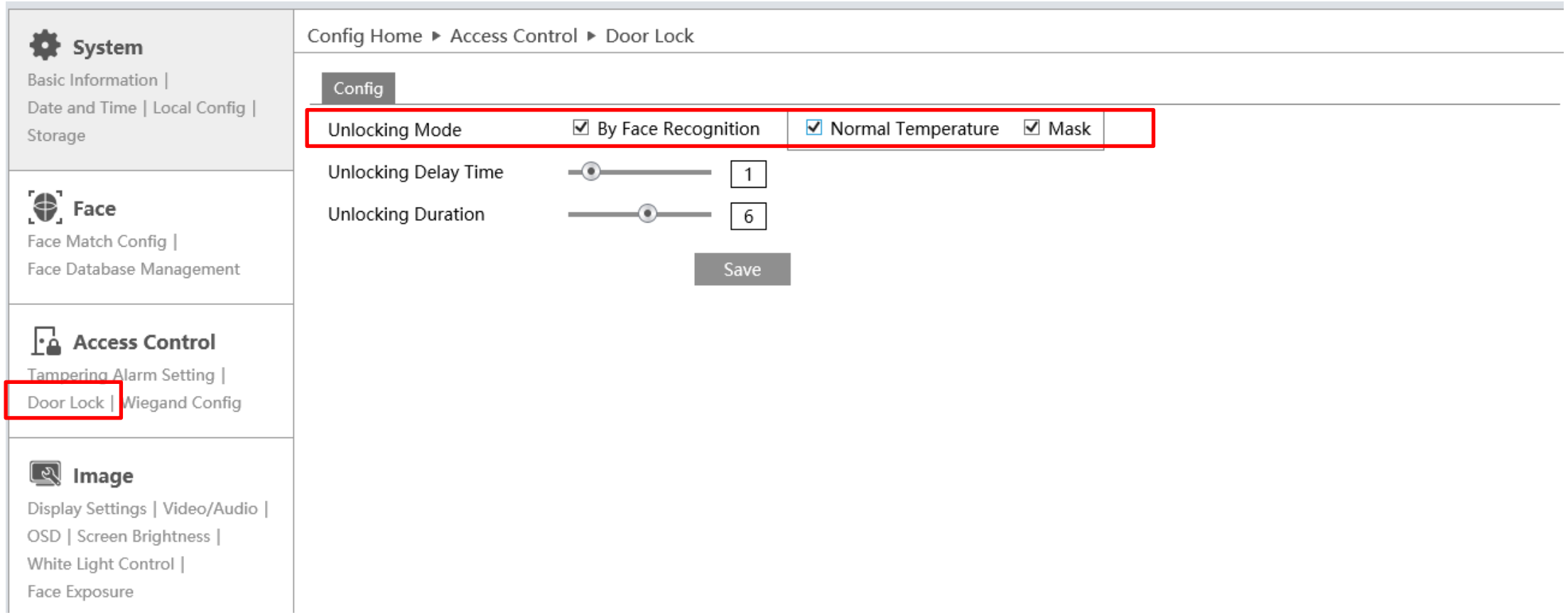
Multi-Factor Authentication Access Control



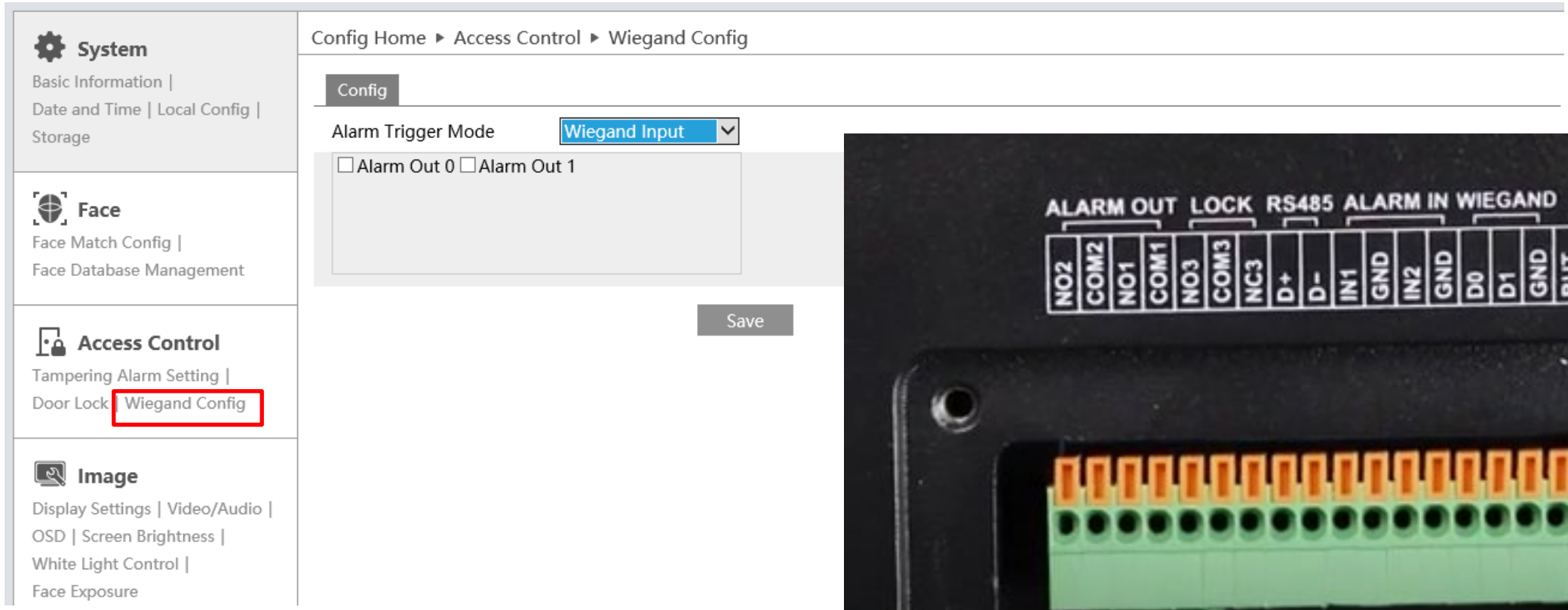


Requirements can be set to any combination of fever, face, or no mask.

Multi-Factor Authentication

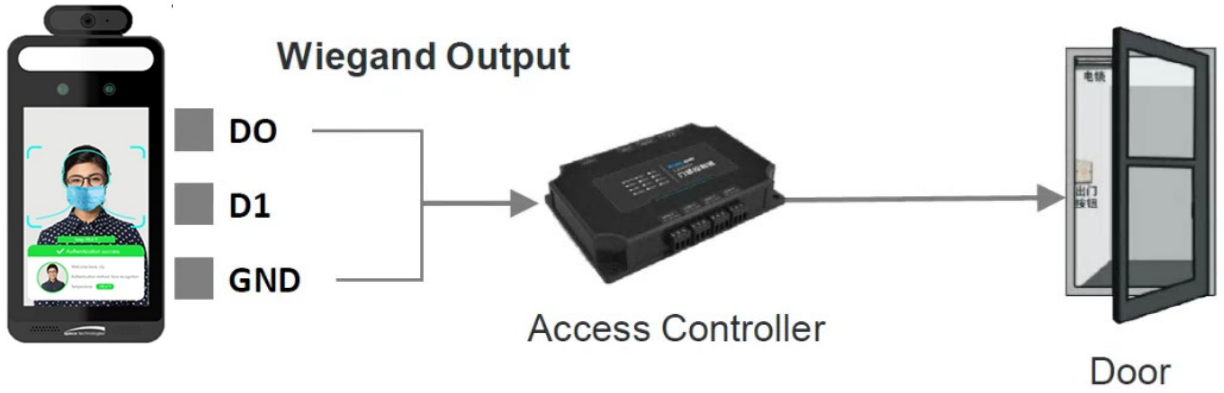


Wiegand Input/Output



Access Control Settings









For Access control you can also add badge verification to face recognition

Quick Hits Video



https://youtu.be/CAoxqrKV8Jc

Applications



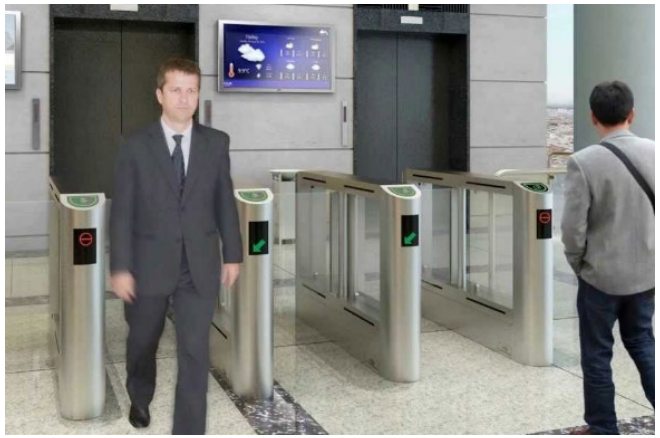
Healthcare



Retail



Education



Corporate

Accessories



TMLFLR
Floor Stand



TMLDSK
Desk Stand



TMLPMT
Pole Stand



PSW5
12VDC
Power Supply

Q & A?

- **How Will This Work In Low-Light Environments Like A Bar Or Club?**
  The O2TML has a white led to illuminate the face if necessary. This setting can be set to off/on/auto
- **Can It Scan A Crowd?**
  The O2TML is designed to scan one person at a time. Scans only take about 2 seconds with all parameters enabled.
- **Is This Portable?**
  This unit is designed to be fixed on a stand, wall, or desk. It is not battery powered and not designed to be held.
- **Is This TAA, FDA, or NDAA Compliant?**
  No.
- **Can It Detect Temperature With Hats Or Caps?**
  The person being screened should remove all headgear when being scanned for elevated temperatures.
- **Do You Need A Separate Amp/Mic/Speaker For Two-Way Communication?**
  No, the panel comes with a built in mic and speaker.

Performance	
OS	Embedded Linux
Storage	8Gb DDR3 + 16Gb EMMC

Screen	
Display Screen	8inch LCD screen; resolution: 1280x800; contrast: 500:1
Brightness	500 lux

Temperature Measurement	
Temperature Measuring Range	0–50°C (32°–122°F)
Accuracy	± 0.3°C (0.5°F)
Measuring Distance	0.3–0.5m (1ft–1.6ft)

Face Recognition	
Sensor	1/2.7
Lens	2MP dual-lens, f=3.97mm @ F1.6
WDR	120db
Height Range of Face Recognition	1.2m-2.2m (3.9ft - 7.2ft) (the recommended installation height is 1.45m) (4.75ft)
Face Recognition Distance	0.3m-2m (1ft - 6.5ft)
Recognition Mode	Face: 1 : N
Recognition Duration	≤ 0.5 s per person
Face Capacity	20,000
Recognition Accuracy	99.7%

Supplementary Light	
Fill-in Light	Soft white light, IR light
White Light Distance	1-3m (3.2ft - 10ft)

Smart Linkage	
Screen Wakeup	Yes
Light Adjustment	Yes
Snapshot	Yes

Audio	
Two-way Talk	Yes (noise reduction and echo cancellation)
Audio Input	1CH built-in MIC
Audio Output	Built-in speaker

Interface	
Network Interface	10/100Mbps self-adaptive Ethernet port x1
Alarm Input	2 CH
Alarm Output	2 CH
Wiegand Interface	Wiegand input/output (26/34)
RS485	RS485x1 (half duplex)
Door Lock Output	Relay output, NO/NC (optional), delay setting supported
SD Card Interface	1 micro SD card slot, up to 128GB
USB Interface	USB x1
Anti-Tamper Interface	1 button
Exit Button	1
Reset Button	1

Others	
Power	12V @1A (not included)
Power Management	Screen sleep, screen protection
Power Consumption	<12W
Weight	Approx. 1.2KG (2.6lbs)
Installation	Wall Mounting, Pole Mounting, Embedded Installation, Desktop
Protection	IP66, Surge Protection and Voltage Transient Protection
Working Environment	-20°C–60°C (-4°F–140°F) , <95% (non-condensing)
Dimensions	301.8mm x 138.6mm x 34.2mm, 11.8"(H) x 5.4"(W) x 1.3"(D)

Optional Accessories



PSW5
12VDC
Power Supply



TMLFLR
Floor Stand



TMLDSK
Desk Stand



TMLPMT
Pole Stand

ARDENT TECHNOLOGY GROUP
Technology for today, tomorrow and beyond...

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