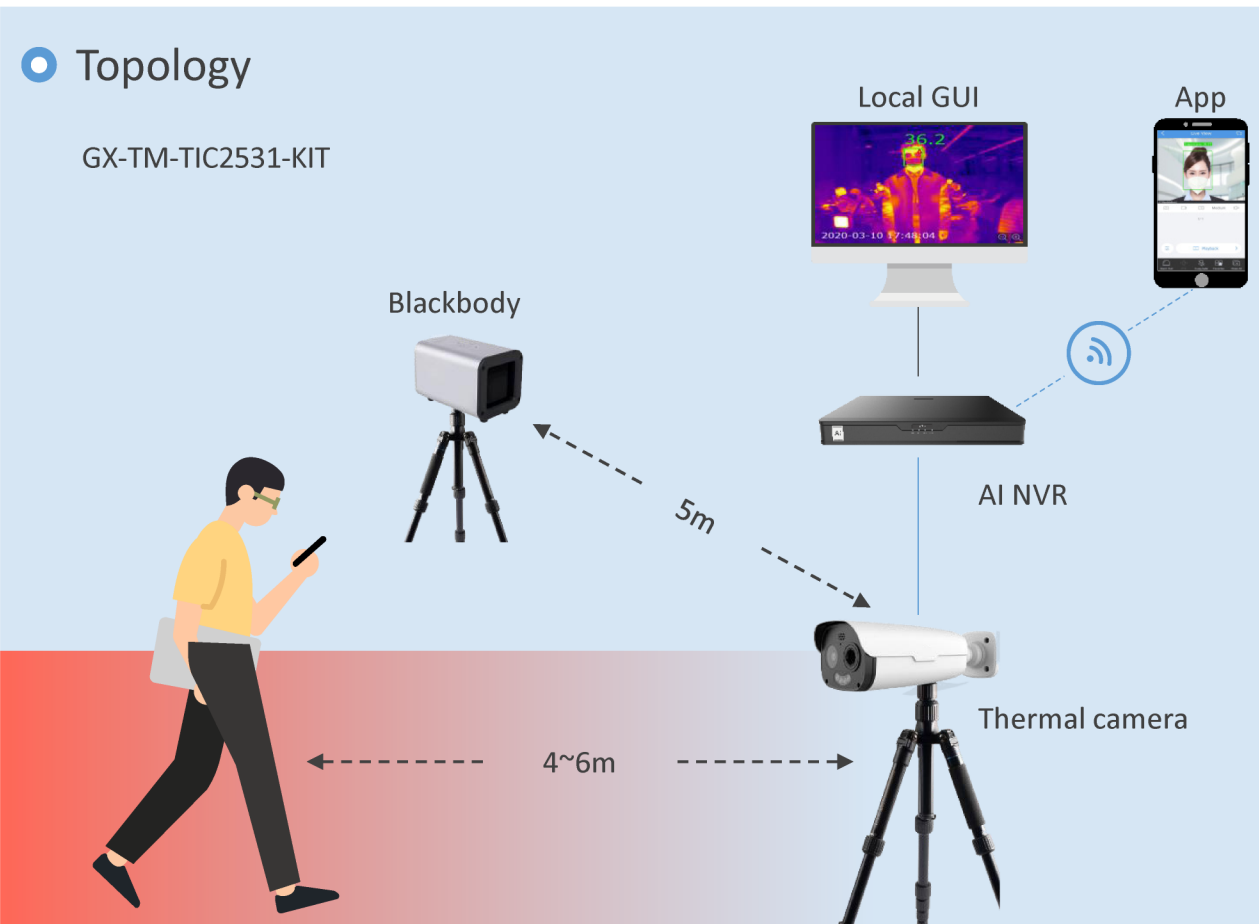


Galaxy Thermographic Fever Screening Solution

Solution Overview

Topology

GX-TM-TIC2531-KIT



Overview

Solution Composition

1*Bullet thermal camera, 1*Black body, 2*Tripod, 1*AI NVR

Set up tips

- Keep the distance between target and camera about 4 ~6m
- The black body is used to calibrate the temperature detection, recommended to put 5m away from the camera
- Make sure that the black body **would not be blocked** by other targets during temperature detection
- Recommend to set up the solution in a stable environment without wind in the **indoor space**.

 **High Accuracy**
Only $\pm 0.3^{\circ}\text{C}$ (with blackbody) for quick non-contact preliminary screening



Smart Solution
Measure temperature based on face detection, filter false alarm caused by other objects

Fever Screening Process

Quick Inspection Channel

Thermal Camera



Inspection Point



Inspection Exit

Inspection Entrance



Sign



Isolation belt



Loudspeaker



1 Set up a quick channel

Set up a quick screening channel in the indoor space to separate space into few parts.

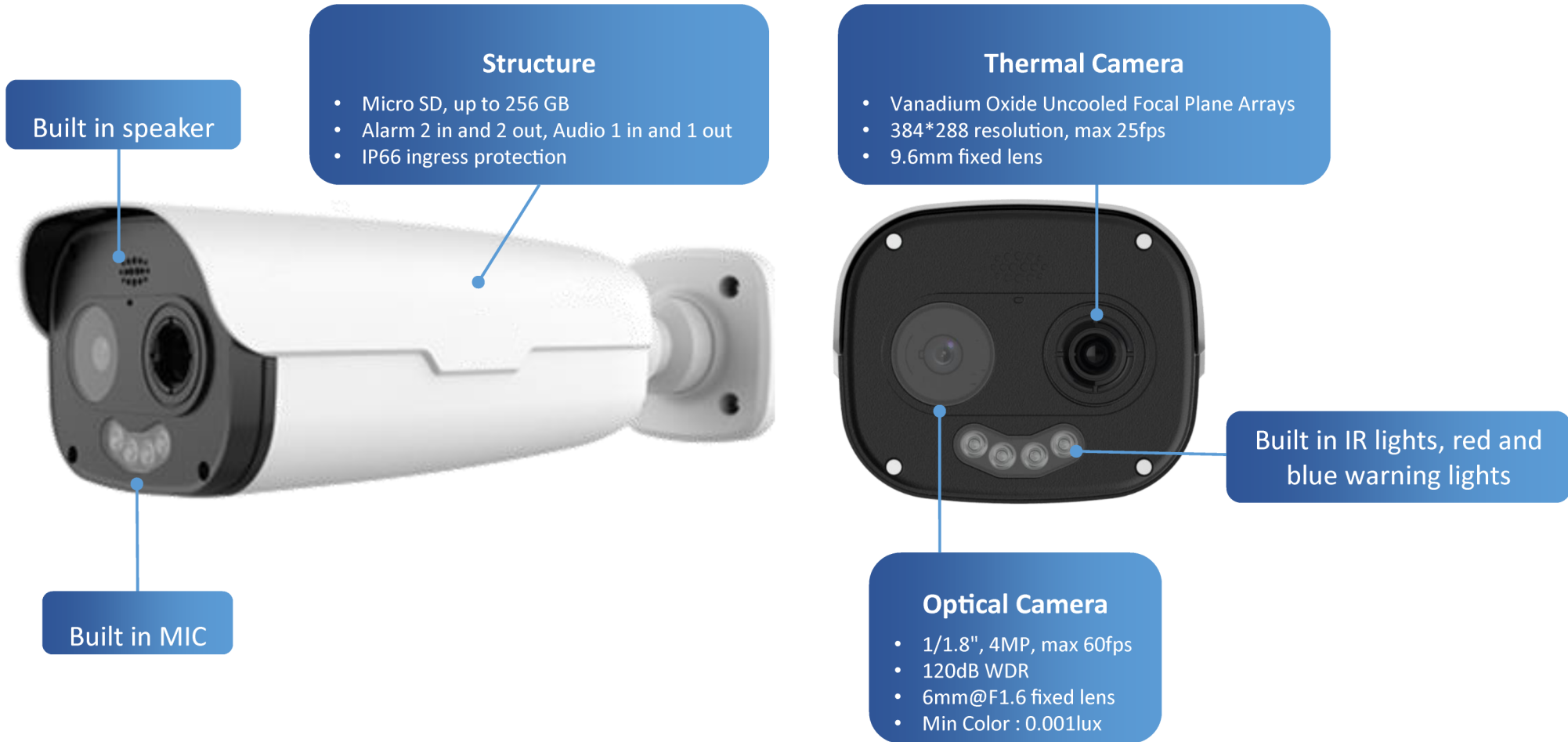
2 Thermal camera quick screening

Using thermal fever screening solutions to do quick screening of moving crowd and ensure the efficiency

3 Thermometer secondary check

For the person who is doubt fever symptoms, using thermometer to do secondary check is necessary.

Camera Features



Dual-spectrum imaging

One IP address for Optical & Thermal channel



Audio and light alarm

Support alarm when no mask and abnormal temperature are detected

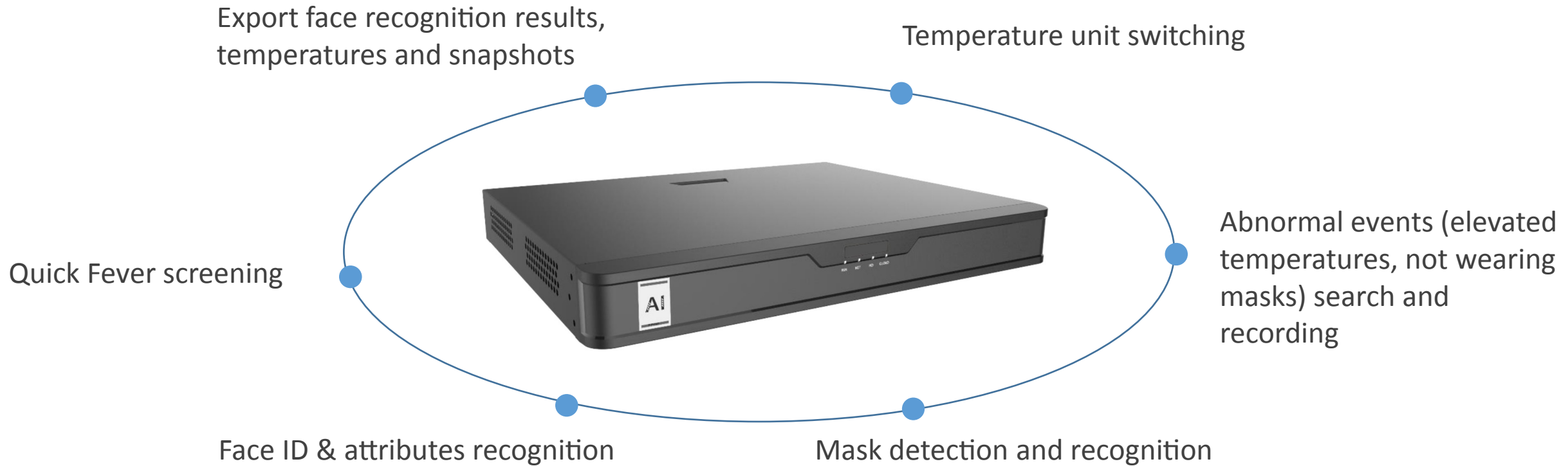


Attributes Detection

Attributes detection includes face ID, mask & human body temperature status



NVR Features



Quick Fever screening



Camera									
Camera	Camera Fisheye Advanced								
Encoding	Add All + Custom Add Delete 1 Sort Camera Refresh Search Segment								
Snapshot	<input type="checkbox"/> Camera	IP Address	Status	Protocol	Model	Add/Del	Cam Config	Net Config	Details
OSD	<input type="checkbox"/> D1(IP Camera 01)	206.7.102.12	▶			🗑	⚙	⚙	📄
	<input type="checkbox"/> D2(IP Camera 02)	206.7.102.12	▶			🗑	⚙	⚙	📄
Image		172.16.0.14	—			+	—	⚙	📄
		192.168.1.32	—	ONVIF	DS-2CD5026FWD	+	—	⚙	📄
Privacy Mask		192.168.1.131	—			+	—	⚙	📄
		203.1.8.11	—			+	—	⚙	📄
PTZ		203.1.8.167	—			+	—	⚙	📄

Camera



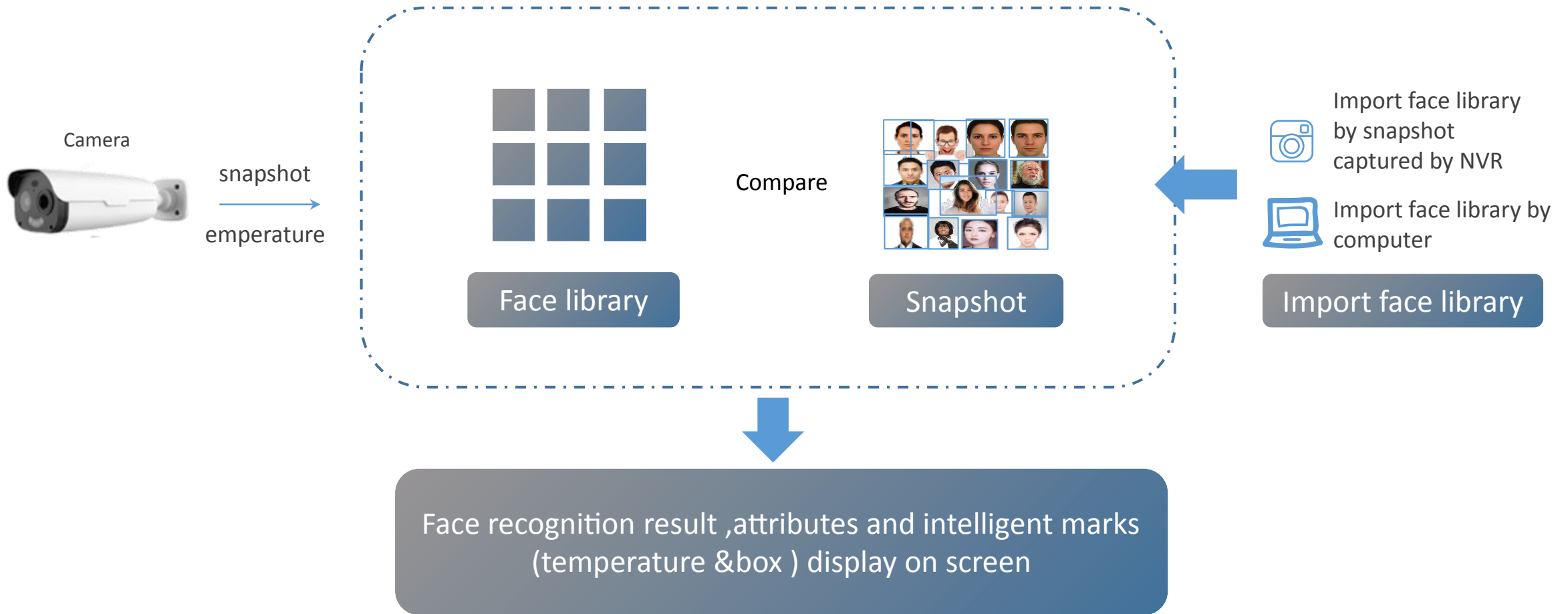
Camera



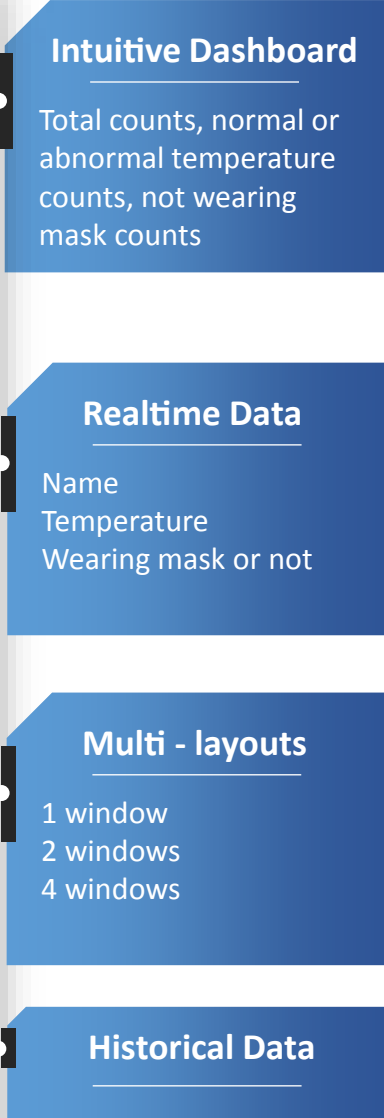
AI NVR

- 1 thermal camera occupies 2 channels(visual and thermal)
- When using One-click add, it will add 2 channels by default
- Max. 2 thermal cameras recommended (1-4 channels).

Face ID & Attributes Recognition

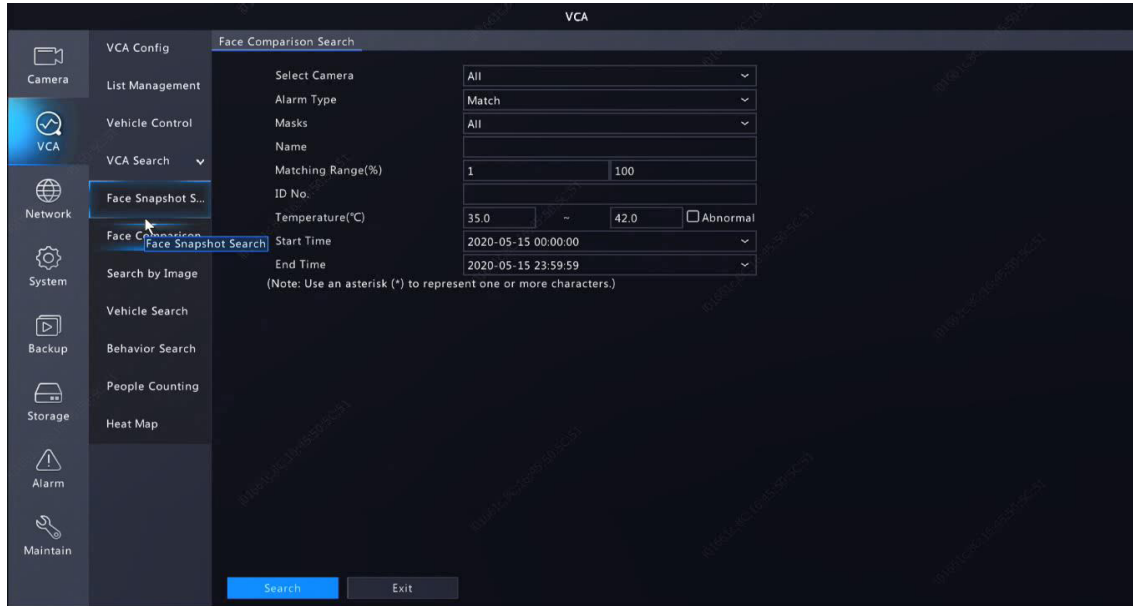


This system not only detects body temperature, but also associates temperature to specific person by face recognition. It supports export report for further management. It's suitable for schools, companies and other scenarios.



Abnormal Events Search & Recording

【Abnormal events search】



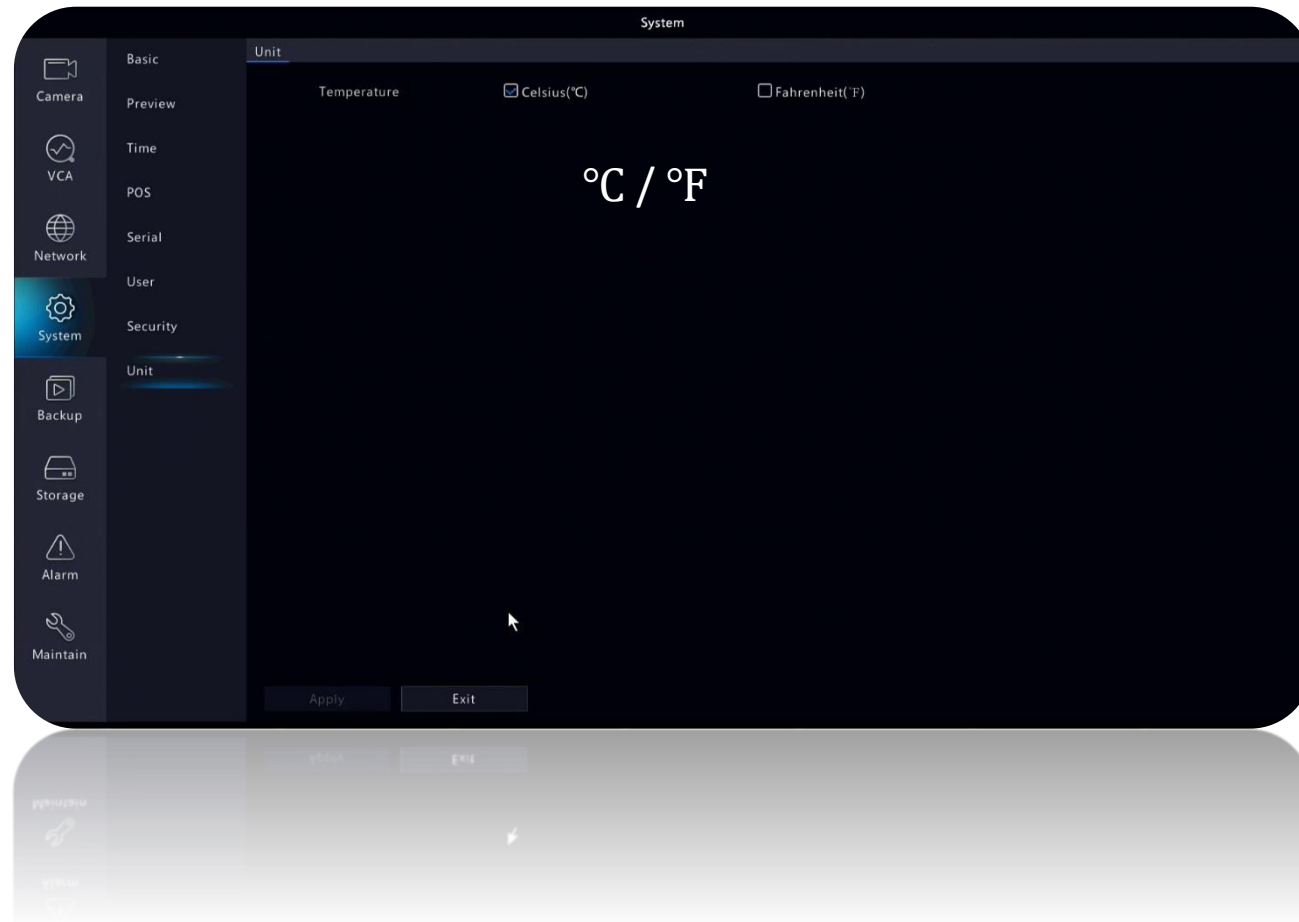
- No wearing mask search
- Abnormal (elevated) temperature, When checked, ☒ Abnormal, the search range will change to designed thresholds automatically

【Face snapshot and recording】



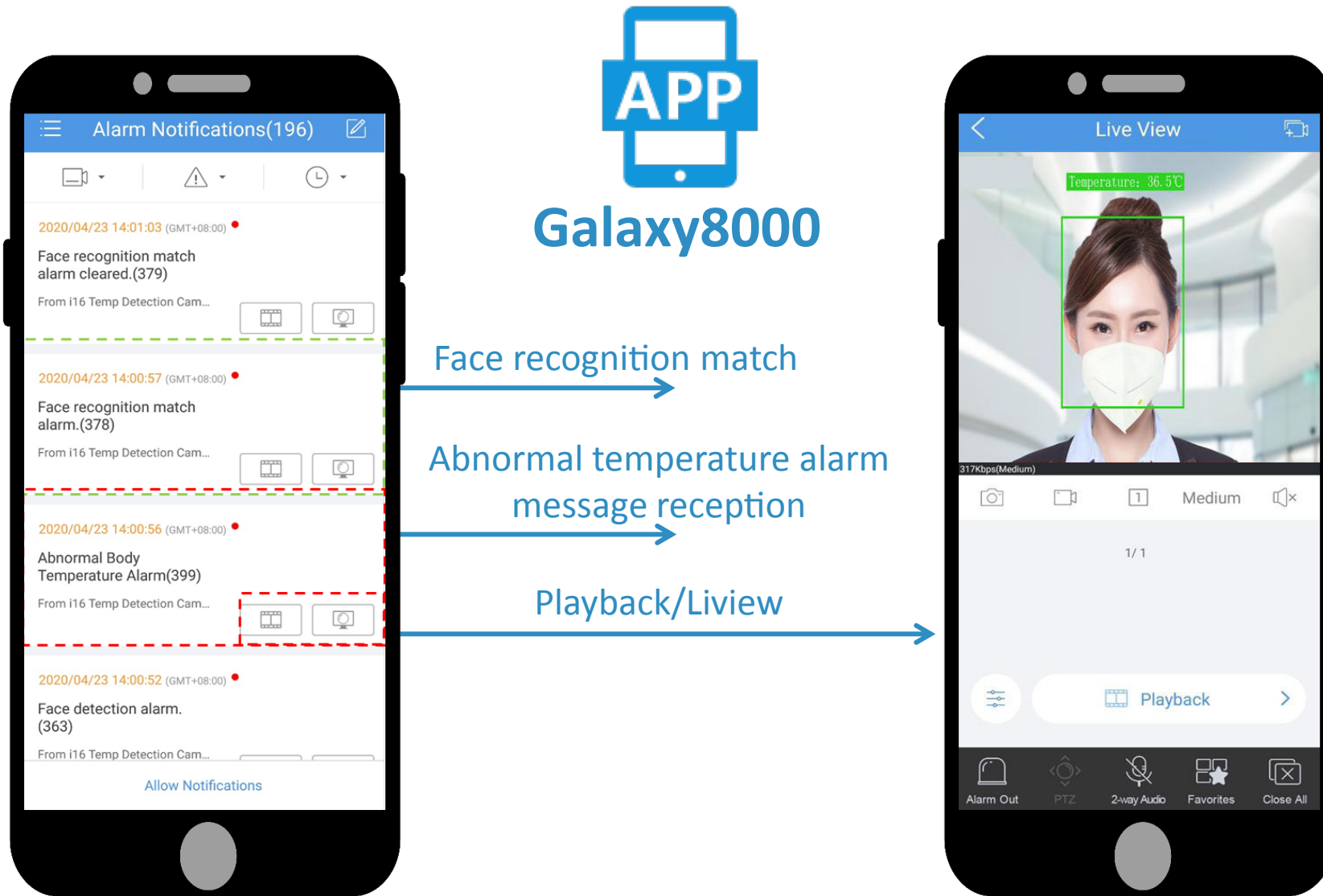
- Snapshot, face recognition result and temperature results
- **5S recording, no temperature**
- Report export(excel CSV format, details refer to following pages)
- Snapshot(small face snapshot, original snapshot) and recording backup

Temperature Unit Switching



- The system supports Celsius and Fahrenheit temperature units
- The device will not restart after switching unit, the interface will change accordingly

App Features





Application Scenario

➔ Quick preliminary Screening

➔ Long range temperature measurement

➔ No need extra cooperation



Airport



Railway



Seaport



Bank