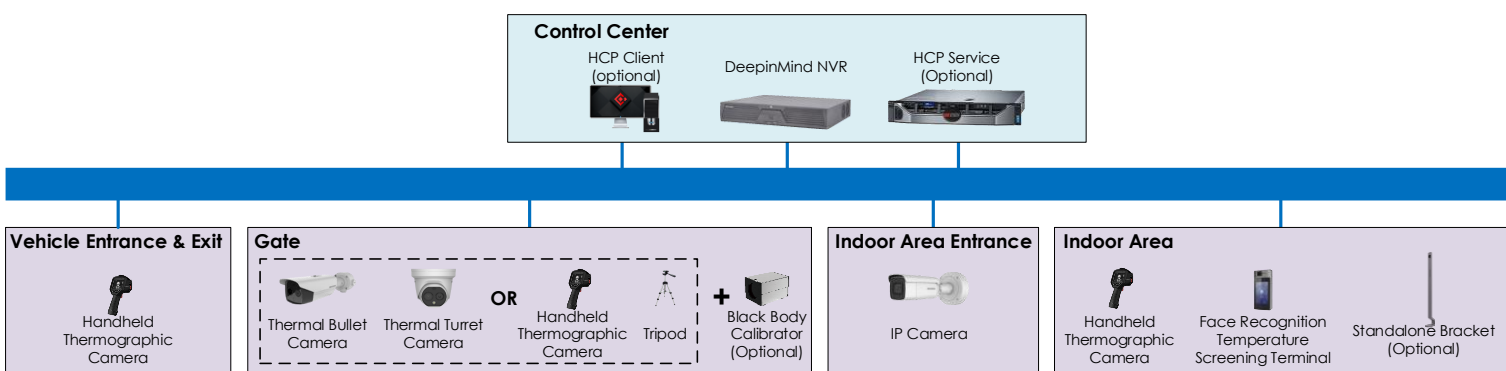


Background

Industrial parks are highly-populated workplaces as they require large number of workers and staffs gather and work daily. Therefore ensuring public health within the park is of paramount importance for all daily works to be carried out.

Therefore, people with elevated skin-surface temperature need to be detected quickly and accurately so that further measures can be taken. It is usually mandatory to wear masks inside the park, therefore it would be best to have a convenient method to detect and remind people wearing masks.

Solution Overview



Vehicle Entrance & Exit: When people drive into the industry park, the driver should lower the window so that security can measure the temperature with the handheld thermographic camera.

Gate: Thermal camera is deployed at the gate for convenient temperature screening.

Entrance for Indoor Area: Thermal camera works together with DeepinMind NVR to detect whether people entering is wearing mask or not.

Indoor Area: In order to avoid accidental omission of people with elevated skin-temperature, patrol checking is recommended. Using access control to conduct temperature screening with typical access control function is a more convenient solution.

Solution Introduction

01 Vehicle Entrance & Exit – Handheld Temperature Screening

Convenient Temperature Screening for Drivers and Passengers

For workers and staff who drive to work, vehicle entrance is the place where they enter the industrial park. A solution that can provide quick and convenient temperature screening is required for this spot.

When the vehicle enters the industrial park, he or she should stop the car and lower the window. Security can then check temperature for the driver and passenger using thermographic handheld camera.



02 Gate – Temperature Screening & Security Surveillance

Visualized Bi-spectrum Live View

People enter the industrial parks or buildings through gates. Visualized bi-spectrum live view camera is optimal for such scenario as it offers temperature screening and basic surveillance function at the same time.

Fast deployment and simple wiring can be achieved through tripod mounting.



Typical Application



Thermal Image



Optical Image

03 Entrance for Indoor Area – Mask Detection and Reminder

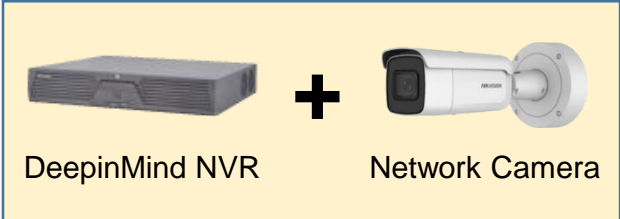
Real-time Warning Upon Detection of People Without Mask

Wearing masks is an effective way to protect oneself and others. Therefore, wearing a mask is required in many industrial parks and the management team would want to spot and remind people without a mask.



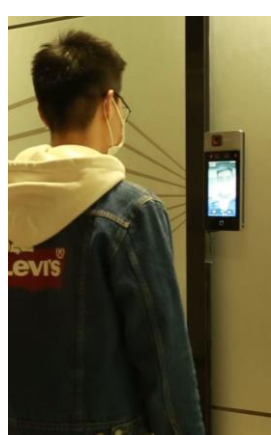
The DeepinMind NVR analyzes video stream from network camera and triggers alarm upon detection of people without a mask.

Together with face recognition function, operator in the control center is able to recognize people and take further action such as reminding him/her later or call immediately.



Touch-Free, Access is Easier and Safer

- Face recognition access control terminal with built-in thermal camera can now also be used for temperature screening.
- Adapting this method allows automatic access denial for people with elevated skin-surface temperature while ensuring efficient passing as well.
- Supports real-time results display on video intercom indoor station, offering a more intuitive way to monitor status of people passing through.



Typical Application



Normal Temperature



Elevated Skin-surface Temperature

05 Indoor Area – Temperature Screening on Patrol

Anytime, Anywhere. Just one click.

- For indoor area like workshop, warehouse, and more, security team can conduct convenient random temperature screening patrol with the help of the portable handheld devices.



Typical Application



Real Image

Value-Added Choice

Local Storage and Information Recording

Additional functions user can enjoy when using HikCentral Professional:

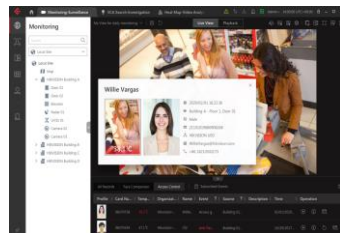
- 1) Local storage with pStor;
- 2) Identity information can be registered when the elevated skin-surface temperature of a person is detected;
- 3) Data can be intuitively displayed and easily exported.



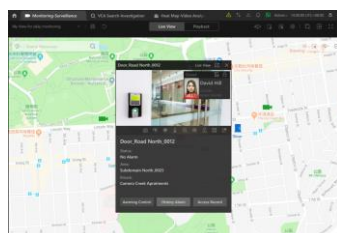
HikCentral Professional

- Flexible, scalable, reliable and powerful central surveillance system.
- Supports live view, play back, access control, alarm management, personnel identification, temperature data storage, abnormal temperature trend analysis etc.

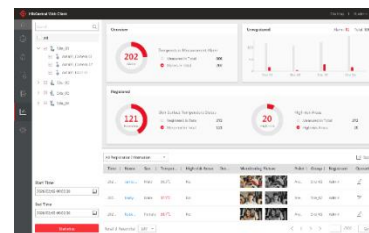
Personnel Access Management & Skin-temperature Measurement



Real-time Pop-up Alarm



Dashboard



System Advantages

- 1 Centralized Management:** DeepinMind NVR and HikCentral Professional helps to link all the devices within a site for easy and efficient central management. Additionally, user can manage other subsystems, for example access control & attendance, alarm management, vehicle entrance & exit management, with HikCentral Professional as well.
- 2 Intuitive Demonstration:** Intuitive UI for comprehensive and user-friendly data visualization.
- 3 Fast Deployment:** Various ways to help industrial park management team to quickly construct the system: tripod mounting, wireless connection, App operation, etc.
- 4 Prompt Reminder:** Alarm triggered upon detection of people with elevated skin-surface temperature to conduct further checking. Alarm can also be set to remind people wearing a mask. User can deploy 3rd-party speaker onsite and broadcast customized audio alarm via I/O alarm port.

Product Showcase

Face Capture Camera

- 4 MP resolution, 120 dB WDR
- DarkFighter
- Detects up to 30 faces at the same time



IDS-2CD7146G0-1ZS

DeepinMind NVR

- 16 channels of face picture comparison; 32-library capacity with up to 100,000 face pictures in total.



IDS-9616/(32)NXI-I8/X(B)(T)

Handheld Thermographic Camera

- Thermal resolution: 160 × 120 ;
- Optical resolution: 640 × 480 ;
- Measurement range: 30-45°C
- Accuracy: ±0.5°C
- Bi-spectrum image fusion



DS-2TP21B-6AVFW

Thermographic Bullet Camera

- Thermal: 160 × 120 ;
- Optical: 2688 × 1520 ;
- Accuracy: ±0.5°C (± 0.3°C with blackbody calibrator)
- Measurement range: 30-45°C



DS-2TD2617B-3/6PA

Thermographic Turret Camera

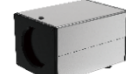
- Thermal: 160 × 120 ;
- Optical: 2688 × 1520 ;
- Accuracy: ±0.5°C (±0.3°C with blackbody calibrator)
- Measurement range: 30-45°C



DS-2TD1217B-3/6PA

Blackbody Calibrator (Optional)

- Temperature resolution: 0.1°C
- Accuracy: ±0.1°C
- Temperature stability: ±0.1°C/h
- Effective emissivity: 0.97±0.02



DS-2TE127-G4A

Temperature Screening Face Recognition Terminal

- Face identification & temperature screen & mask detection.
- Voice reminder of not-wearing masks, and no-mask entrance is prohibited.
- Face capacity: 50,000.
- Temperature accuracy: ±0.5°C, range: 30-45°C
- Face Recognition Duration(1:N) ≤0.2s
- Face Recognition Distance: 0.5m ~ 1.5m



DS-K1T671TM-3XF

Stand Bracket (Optional)

- Material: SPCC
- Weight: 6.7 kg (14.8 lb.)
- Dimension (W × H × D): 98.5 mm × 1342 mm × 225 mm (3.9" × 52.8" × 8.9")



Tablet

- 7" Touch-Screen Android Indoor Station;
- Display resolution: 1024 * 600;
- Remote temperature screening & records checking, real time preview;
- Centralized data management, Max. 100,000 records;
- Abnormal temperature alarm;
- Remote access control & video intercom



DS-KC001



HIKVISION