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.
- 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.

**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.
**04 Indoor Area – Temperature Screening with Access Control**

**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**

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**Local Storage and Information Recording**

Additional functions user can enjoy when using HikCentral Professional:

1. Local storage with pillow;
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.

**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.

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**Product Showcase**

- **Thermographic Turret Camera**
  - Effective emissivity: 0.97
  - Measurement range: 30 - 300℃
  - Detection accuracy: ±1℃
  - Time resolution: 0.1℃
  - Measurement area: 5.5° × 5.5°

- **Face Capture Camera**
  - Effective emissivity: 0.97
  - Measurement range: 30 - 300℃
  - Accuracy: ±1℃
  - Time resolution: 0.1℃
  - Measurement area: 5.5° × 5.5°

- **Handheld Thermographic Camera**
  - Effective emissivity: 0.97
  - Measurement range: 30 - 300℃
  - Accuracy: ±1℃
  - Time resolution: 0.1℃
  - Measurement area: 5.5° × 5.5°

- **DeepinMind NVR**
  - Designed for large-scale surveillance applications
  - Supports live view, play back, access control, alarm management, personnel identification, temperature data storage, etc.

- **Hikvision App**
  - Comprehensive and user-friendly data visualization

- **HikCentral Professional**
  - Centralized data management, Max. 120 channels of face picture storage
  - Integrated access control & video management
  - Supports up to 30 faces at the same time

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**Value-Added Choice**

Extra functions for value-added choice when using DeepinMind NVR and HikCentral Professional.

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