

# Temperature Screening Solutions for Agriculture: Reduce Risk, Protect People & Assets at Food Processors & Production Plants

## Temperature Screening: One of the CDC's Recommendations for Reopening Business

Food processors and production facilities in the agricultural industry have new challenges as they get back to business. A top priority is to protect their supply chain workers, visitors and customers while also maintaining efficiency and productivity. Easy-to-operate Hikvision temperature detection solutions can help you protect your people and assets, while reducing risk. Thermal solutions can help you easily and quickly pre-screen employees, visitors, customers and vendors before they enter your business. Pre-screening takes less than one second, is highly accurate, and it offers contactless measurement from a distance.



Mitigate Risk of Exposure



Extremely Safe—Contactless Measurement from a Distance



Instant One-Second Screening



Smart—Only Screens Forehead Skin Surface



Accurate up to ± 0.5 Degrees Fahrenheit with Blackbody Calibrator



Flexible—Simple, No-Wire Solutions for a Wide Range of Applications

## Application Scenarios



Food Processing Facility Entrance

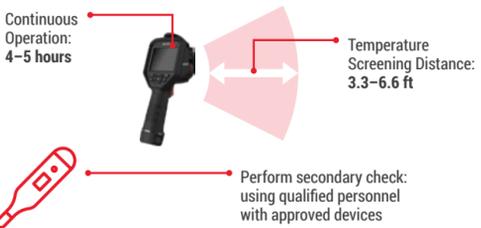


Authorized Personal Area Entrance

## Food Production Facility Entrance: Temperature Screening and Security Footage

Basic and No-Wire Solution with Bi-Spectrum Handheld Camera

- Hikvision's bi-spectrum camera models combine thermal and optical imaging to provide excellent visual quality and identification capabilities for high-traffic areas such as entrances and exits.
- Ease of installation with Hikvision's tripod mounting, simple wiring system, and rapid deployment solution.



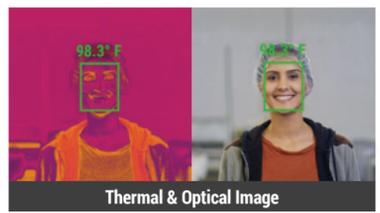
### Thermographic Handheld Camera

DS-2TP21B-6AVF/W

- Thermal Resolution: 160 x 120
- Optical Resolution: 640 x 480
- Wi-Fi Supported
- Accuracy of ±0.9° F
- Effective Range of 3.3 to 6.6 ft.
- 3.5-Inch LCD Touch Screen
- Quick Non-Contact Rapid Deployment with Tripod



Typical Application



Thermal & Optical Image

## Basic, Simple Wiring Solution

### Thermographic Bullet Camera

DS-2TD2617B-6/PA

- Optical: 2688 x 1520
- Thermal: 160 x 120, 6 mm lens
- Accuracy of ±0.9° F (±0.5° F with Blackbody Calibrator)
- Effective Range of 4.9 to 9.8 ft.
- Skin-Surface Temperature
- Face Mask Detection



### Thermographic Turret Camera

DS-2TD1217B-3/PA

- Optical: 2688 x 1520
- Thermal: 160 x 120, 3 mm lens
- Accuracy of ±0.9° F (±0.5° F with Blackbody Calibrator)
- Effective Range of 2.6 to 4.9 ft.
- Skin-Surface Temperature
- Face Mask Detection



### Tripod and Adaptor for Bullet Solution

DS-2907ZJ (Tripod)  
DS-2909ZJ (Adaptor)



### I Series NVR



- Up to 8/16 channel Plug and Play
- 80/160 Mbps incoming Bandwidth
- HDMI Video Output Up to 4K

### Blackbody Calibrator

DS-2TE127-G4A



- Temperature Resolution: 0.18° F (0.1° C)
- Accuracy of ±0.18° F (0.1° C)
- Temperature Stability: 0.18°F/h (0.1°C/h)
- Effective Emissivity: 0.97 ± 0.02

## SIMPLE WIRING, PREMIUM ADD ON

Local storage and HikCentral software adds: Hikvision's DeepinMind NVR with our central management system (CMS), HikCentral, and thermal solutions provide a wide range of benefits for education.

Simple Wiring, Extensive Features:

- Local Storage with NVR
- Mask Detection
- Dedicated NVR GUI to Display Temperature Status
- NVR Registers Elevated Skin-Surface Temperature When Detected
- Multi-Layer Remote Supervision
- Temperature Measurement Alarm Reports
- Intuitive Data Search can be Displayed and Exported



### DeepinMind NVR iDS-9632NXI-H8/X(B)

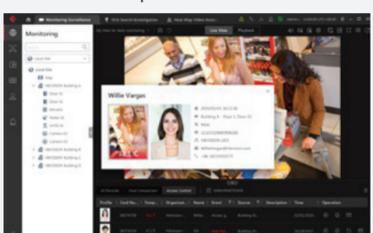
- 8-Channel Face Picture Comparison Support
- 32-Library Capacity Up To 100,000 Face Images, Face Mask Detection Support
- Identity Verification & Stranger Alarm



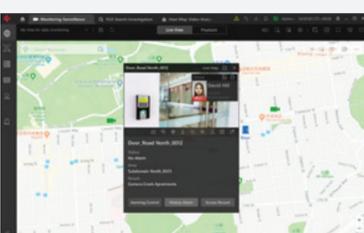
## HikCentral Professional CMS

- Local monitoring, instant alarm pop-ups, and temperature measurement reports
- Identity information registered when elevated skin-surface temperature is detected
- Data can be intuitively searched, displayed and easily exported

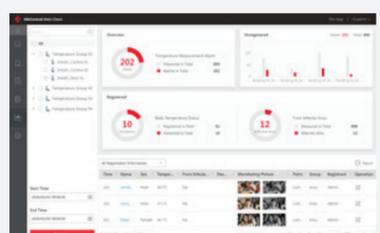
### Personnel Access Management & Skin-Temperature Measurement



### Real-Time Pop-Up Alarm



### Dashboard



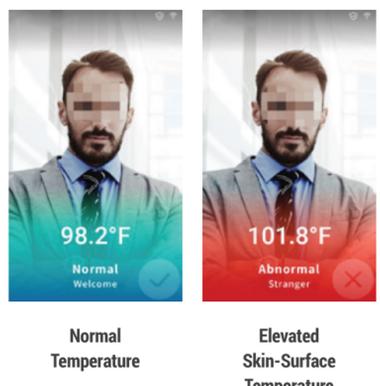
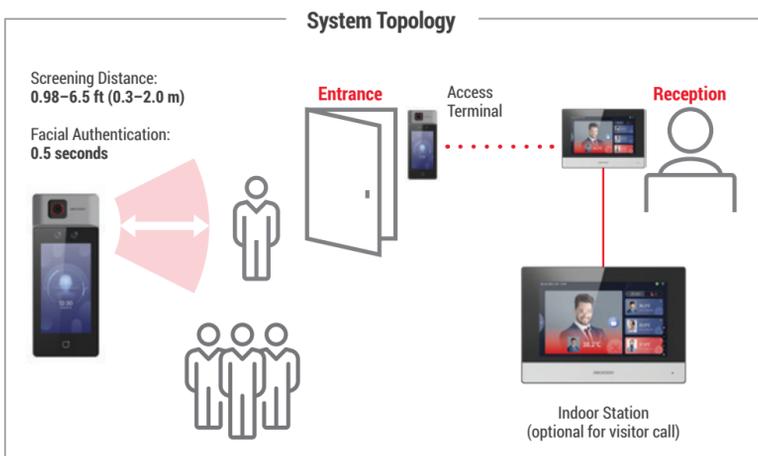
## Authorized Personal Zone: Touchless Temperature Screening with Facial Recognition Access Control

Onsite Temperature Screening and Access Control Terminal

- Touch-Free Authentication
- Instant Alarm for Abnormal Temperature
- Onsite Facial Recognition Access Control with Built-In Thermal Camera for Temperature Measuring
- Identity verification with Temperature Screening
- Instant Alarm for Abnormal Temperature and Unauthorized Personnel
- Touch-Free Authentication and Supports Mask Detection
- Real Time Results Will Display On Indoor Video Intercom Screen as Live Notification



Typical Application



Normal Temperature

Elevated Skin-Surface Temperature

## Product Showcase

### Temperature Screening Terminal

DS-K1T671TM-3XF

- Temperature Screening, Mask Detection, Face Recognition and Attendance
- Abnormal Temperature and Voice Reminder On Alarm
- Accuracy up to ±0.9° F



### Indoor station

DS-KC001

- 7-Inch Touch Screen
- Wi-Fi 802.11b/g/n



### Floor Stand (optional)

DS-KAB671-B



### HikCentral Professional CMS

- Unified Temperature, Alarm and Video Management
- Temperature Measurement Alarm Reports
- Quick Record Searching and Exporting



SCAN BELOW TO LEARN MORE



\*Disclaimer: Hikvision Highly Accurate Thermographic Cameras and Terminals (HAT Cameras and Terminals) are not FDA-cleared or approved thermal imaging devices intended to measure human skin-surface temperature. The HAT Cameras and Terminals are not intended for use in diagnosis of disease or other conditions, or in the cure, mitigation, treatment, or prevention of disease, and shall not be solely or primarily used as an effective diagnostic device for COVID-19. Elevated body temperature should be confirmed with secondary evaluation methods (e.g., an NCT or clinical grade contact thermometer). Users, through their experience with the Hikvision HAT Cameras and Terminals in the particular environment of use, should determine the significance of any fever or elevated temperature based on the skin telethermographic temperature measurement. Visible thermal patterns are only intended for locating the points from which to extract the thermal measurement. To ensure the accuracy of the human skin-surface temperature measurement, the technology shall be used to measure only one subject's temperature at a time and shall not be used to measure multiple individuals' temperatures simultaneously.