

INTEGRATED ELEVATED TEMPERATURE DETECTION CAMERA

This network camera integrates full high-definition visible imaging, passive infrared thermal imaging detection, and high-definition video coding services all in a single device.

KEY FEATURES

- ✓ High/Elevated Temperature Detection
- ✓ Programmable Alerts
- ✓ ONVIF Compatible
- ✓ Dual Visible & Thermal Imaging
- ✓ Integratable with all existing Homeland Safety Systems, Inc. Camera Systems



FEATURES

Thermal & Infrared Imaging

Dual lenses simultaneously capture high definition video of the subject being scanned and thermal images of the subject with temperature readings displayed in the frame. This will provide reference data and identifying video of subjects selected for secondary screening.

High-Definition Imaging & Coding

Full real-time 1080p high-resolution visible images and 960p resolution thermal images are provided. The camera supports H.265/H.264/MJPEG compression. The built-in gamma compensation, color enhancement, and digital detail enhancement (DDE) engine provide quality high-definition video images and fine image details.

Modes

Includes full-screen, point, line, rectangular area, or irregular area temperature measurements. Full-screen temperature measurement supported in 64 areas. Point, line, rectangular area, and irregular area are all supported in 16 areas.

Abnormal Temperature Alerts

The camera detects abnormal temperatures and will set off an alert that the subject being scanned has either an elevated temperature or a temperature that is abnormally low.

SPECIFICATIONS

| Visible Light Camera | |
|----------------------|--|
| Focal Length | 8mm |
| Image Sensor | Sony High Performance CMOS |
| Image Resolution | Full HD/1080p |
| Maximum Frame Rate | 30 fps |
| Minimum Illumination | Color: 0.002 Lux @ (F1.5, AGC ON), ICR ON) B/W: 0.01 Lux @ (F1.5, AGC ON), ICR OFF) |
| WDR | Supported |
| Day & Night Mode | Auto/Color/Black & White |
| 3D Noise | Digital Noise Reduction |
| 3A Auto Control | Automatic White Balance, Automatic Gain, Automatic Exposure AWB/AGC/AE |
| BLC | Supported |
| HLC | Supported |

| Thermal Imaging Camera | |
|------------------------|---|
| Detector Type | Uncooled Vanadium Oxide Focal Plane |
| Image Size | 336 x 256 |
| Pixel Pitch | 17µm |
| Thermal Sensitivity | <50mK @ f/1.0 |
| Thermal Lens | 13mm |
| Palette | White Heat, Black Heat, Iron Read, and Other Thermal Imaging Pseudo-Color Options |
| Detection Distance | Person: 1-12 feet |

| Video Image | |
|----------------------------|---|
| Video Compression Standard | H.265 / H.264 / MJPEG |
| Audio Compression Standard | G.711 (ALAW) / MP2 / G.711 (MULAN) |
| Maximum Image Resolution | Visible Light: 1080p (1920x1080) Thermal Imaging: 1.3MP (1280x960) |
| Image Effects | Rotation & Mirroring, Custom Image Mode |
| OSD | Multi-Zone Intelligent OSD, Multi-Line National Standard Characters, Customizable Positions, Fonts, & Sizes |

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| Intelligence | |
|-----------------------------|--|
| Measurement Points | Supports Full-Screen Temperature Measurements; 16 Points / 16 Lines / 16 Areas |
| Accuracy | ±0.54° Fahrenheit |
| Heat Source Detection | Supported |
| Abnormal Temperature Alarms | Temperature Increment Alarm & Differential Temperature Alarm |
| Detection Types | Intelligent Motion Detection, Region Invasion Detection, Cross-Border Detection, Entry Area Detection, Leave Area Detection, External Sensor Linkage |
| Dynamic ROI | Dynamic Region of Interest (ROI) Settings to Support Fixed Region Settings or Region Tracking |
| Alarms | Network Disconnection Detection, IP Conflict Detection, Storage Card Status Detection, Storage Space Detection |
| Other | Anti-Flicker, Three-Bit Stream, Image Rotation, Privacy Coverage, Watermarking, Access Port Settings, Factory Reset |

| Network | |
|------------------------|---|
| Protocol | IPv4, TCP/IP, UDP, HTTP, DHCP, RTP/RTCP, RTSP, FTP, UPnP, DDNS, NTP, IGMP, ICMP |
| Compatibility Protocol | ONVIF Profile S |
| API Integration | microSDHC/SDXC |

| Interface | |
|-------------------------|--|
| Communication Interface | 1 Channel RJ45 10M / 100M Adaptive Ethernet Port |
| Power Interface | DC12V 2.1 Direct Interpolation |

| General | |
|------------------------|---|
| Working Temperature | -22.0°F - 140.0°F |
| Environmental Humidity | <90% RH (No Condensation) |
| Power Supply | 12VDC |
| Dimensions | L 5.91 x W 3.35 x H 3.86 (Excluding Shades & Brackets) L 6.81 x W 3.82 x H4.06 (Including Shades, Without Bracket) |
| Weight | Approx. 4.5 lbs |

INTEGRATED ELEVATED TEMPERATURE CAMERA SYSTEM CALIBRATION DEVICE

This temperature calibration device, while only a small part of the overall system, is a necessary component to ensure accurate and reliable temperature readings are produced during continuous operation of the system.



KEY FEATURES

- ✓ High Emissivity Aviation Coating Target Plane
- ✓ Top Intelligent Temperature Control Instruments
- ✓ High Precision Target Plane
- ✓ Rapid Heating & Temperature Control

SPECIFICATIONS

| | |
|---------------------------|------------------------------------|
| Working Condition | 104.0°F (Ambient Temperature) |
| Effective Radiant Surface | 2.68 in. x 2.68 in. |
| Temperature Resolution | 0.18°F |
| Accuracy | ±0.36°F (PO) |
| Stability | ±0.36°F/h |
| Power Supply | 110VAC 60Hz |
| Temperature/Humidity | 32°F - 86°F / ≤80% RH |
| Net Weight | 2.53 lbs |
| Dimension | W 4.72 in.* H 4.88 in.* D 6.85 in. |