## BN9036TH

HUMAN BODY TEMPERATURE CHECK SOLUTION

### Thermal Camera

- **Detector Type**: Uncooled IRFPA Microbolometer
- **Effective pixels**: 400 (H) x 300 (V)
- **Pixel size**: 17µm
- **Thermal Sensitivity (NETD)**: 40mK@F.1.0, 300K
- **Spectral range**: 8-14µm
- **Image setting**: Polarity LUT / DVE / Mirror / FCC / 3D DNR / Brightness / Contrast / ROI
- **Color palettes**: White, warm / black, warm / cold, curve / rainbow up to 17 ways

### Lens Type

- **Fixed**
- **Manual**
- **8mm**
- **F 1.0**
- **H: 46° V: 35°**

### Image Sensor

- 1/2.8" Sony CMOS
- 1920(H) x 1080(V)
- 1/5 ~ 1/64,000s
- TWDR 120 dB
- Color: 0.01Lux @(F1.2, AGC ON), B/W: 0.001Lux @(F1.2, AGC ON)
- S/N Ratio > 55dB
- 2.7 ~ 12mm
- F1.6 ~ F2.9
- 105° ~ 32°
- Motorized

### Visible Camera

- **Shutter speed**: 1/5 ~ 1/64,000s
- **WDR**: TWDR 120 dB
- **Min. Illumination**: Color: 0.01Lux @(F1.2, AGC ON), B/W: 0.001Lux @(F1.2, AGC ON)
- **Scene**: > 55dB
- **Focal length**: 2.7 ~ 12mm
- **Max Aperture**: F1.6 ~ F2.9
- **Angle of View**: 105° ~ 32°
- **Focus control**: Motorized

### Video and Audio

- **Compression**: H.265, H.264, MJPEG
- **Frame Rate**:
  - **Main Stream**: Thermal: D1 @ 25 / 30fps
  - **Visible**: 1920 x 1080/1280 x 720 @ 25 / 30fps
  - **Sub Stream**: Thermal: CIF @ 25 / 30fps
  - **Visible**: D1 / VGA / 640 x 360 / CIF / QCIF / QVGA @ 25 / 30fps
- **Bit Rate control**: CBR/VBR
- **Bit Rate**:
  - **Thermal**: 100Kbps ~ 6Mbps
  - **Visible**: main stream: 500Kbps ~ 10Mbps; sub stream: 100Kbps ~ 6Kbps
- **Region of interest (ROI)**: Off / On (8 Zones, Rectangles)
- **Digital zoom**: 16x
- **Mirror**: Support
- **Defog**: Support
- **Motion Detection**: Support
- **Privacy Masking**: Off / On (4 Area, Rectangles)
- **DVE Image Enhance**: Support
- **Audio compression**: G.711, AMR, RAW_PCM (Optional)

### Accessory included

- **BLACKBODY**

### Accessory optionals

- **BE9036THWM** FOR THE WALL MOUNT
- **BE9036THPM** PENDENT MOUNT

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Bolide Technology Group is an ISO 9001:2015 Certified Company  
www.bolideco.com
### BN9036TH

#### Temperature Detection

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Detection Mode</strong></td>
<td>Body temperature detection</td>
</tr>
<tr>
<td><strong>Detection Preset</strong></td>
<td>Max 45 goals</td>
</tr>
<tr>
<td><strong>Alarm detection</strong></td>
<td>Temperature overshoot, Temperature difference</td>
</tr>
<tr>
<td><strong>Accuracy</strong></td>
<td>±0.3°C (Emission rate, distance, ambient temperature, etc.) with blackbody. Detection Distance: 3~5m (4m recommended)</td>
</tr>
<tr>
<td><strong>Response time</strong></td>
<td>≤30ms</td>
</tr>
<tr>
<td><strong>Theory of temperature</strong></td>
<td>-20°C ~ 60°C (-4°F ~ 140°F)</td>
</tr>
<tr>
<td><strong>Temperature display mode</strong></td>
<td>Target temperature &gt; 5°C, Absolute temperature value; Target temperature ≤5°C, relative temperature value (temperature difference DEV = highest - average value)</td>
</tr>
<tr>
<td><strong>Detection distance</strong></td>
<td>Temperature detection distance between 3m to 5m</td>
</tr>
</tbody>
</table>

#### Network

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethernet</td>
<td>RJ-45 (10/100Base-T)</td>
</tr>
<tr>
<td>Protocols</td>
<td>IPv4 / IPv6, HTTP, RTSP / RTP / RTCP, TCP / UDP, DHCP, DNS, PPPoE, SMTP, SIP, 802.1x</td>
</tr>
<tr>
<td>Interoperability</td>
<td>ONVIF, CGI,SDK</td>
</tr>
<tr>
<td>Maximum number of connections</td>
<td>10 users</td>
</tr>
<tr>
<td>Edge Storage</td>
<td>Local PC for instant recording</td>
</tr>
<tr>
<td>Web Viewer</td>
<td>&lt;IE11, Chrome, Firefox</td>
</tr>
<tr>
<td>Web languages</td>
<td>English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian</td>
</tr>
</tbody>
</table>

#### Interface

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethernet</td>
<td>1 Ethernet (10/100 Base-T) RJ-45</td>
</tr>
<tr>
<td>Audio interface</td>
<td>1xI / 1xO</td>
</tr>
<tr>
<td>Alarms</td>
<td>2xI / 2xO</td>
</tr>
<tr>
<td>RS485</td>
<td>Support</td>
</tr>
<tr>
<td>Manual reset</td>
<td>Support</td>
</tr>
</tbody>
</table>

#### General

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>12Vcc/PoE (IEEE 802.3af)</td>
</tr>
<tr>
<td>Consumption</td>
<td>Max 10W</td>
</tr>
<tr>
<td>Operating temperatures</td>
<td>-30°C<del>60°C(-22°F</del>140°F)</td>
</tr>
<tr>
<td>Storage humidity</td>
<td>0~90% RH</td>
</tr>
<tr>
<td>Certifications</td>
<td>CE/FCC</td>
</tr>
<tr>
<td>Degree of protection</td>
<td>IP66</td>
</tr>
<tr>
<td>Material</td>
<td>Metal</td>
</tr>
<tr>
<td>Dimensions</td>
<td>212x182x136mm</td>
</tr>
<tr>
<td>Weight</td>
<td>2Kg</td>
</tr>
</tbody>
</table>

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**Intelligence**

- **Smart functions**: Motion detection, Alarm disc, Alarm I/O, Temperature alarm
- **IVS**: Body detection, Perimeter, Single virtual perimeter, double virtual perimeter, Removed / abandoned objects

**Thermic views**

- **White hot**
- **Black hot**
- **Iron bow**
- **Rainbow**
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Ceiling Mount

Wall Mount

Disclaimer:
The Bolide BN9036TH Thermal Camera Solution is not a medical product and is not intended to diagnose, prevent, or treat any disease or condition. This solution is a detection device that allows companies to identify people with high temperatures. It is recommended to carry out a second check of the person detected with a non-contact thermometer.
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Installing on the Security Gate

Pedestal Mount