Suprema Thermal Camera can be used in combination with Suprema face recognition terminals* to detect users with elevated skin temperature.

- Suprema face recognition terminals designate the upper face area, enabling Suprema Thermal Camera to measure the most accurate skin temperature.
- Suprema face recognition terminals display the temperature on GUI raising alerts when a higher than threshold temperature is detected.
- Suprema Thermal Camera connects via USB interface making deployment quick and easy on new and retrofit installs.

*Face recognition terminals must be purchased separately.

Disclaimer: Suprema products are not used to diagnose any medical conditions. Suprema thermal cameras can identify individuals with skin temperature higher than a preset figure but should not be solely or primarily relied upon to diagnose or exclude a diagnosis of COVID-19, or any other disease. Only a licensed medical professional can determine if a person with elevated skin temperature is symptomatic of a specific medical condition.
Benefits at a glance

**Enhanced security and safety**
- Combination of face recognition and skin temperature measurement
- Audio and visual alerts with optional alarm
- Bypass mode for skin temperature measure only
- Temperature data can be optionally saved as event logs

**Accurate temperature measurement**
- Enhanced accuracy by measuring from upper face area designated by Suprema face recognition terminals
- Fast and precise measurement using thermographic camera with 19,200 pixels per frame
- Does not require reference blackbody to measure temperature

**Easy deployment**
- Easy connection with Suprema face recognition terminals via USB
- Comes with a bracket for convenient deployment on new and retrofit installs

**Ergonomic design for convenience**
- Supports extended height range of 145 cm-210 cm for face recognition and distance of 50 cm-130 cm* for temperature measurement
- Intuitive GUI for notifications
- Temperature can be displayed both in Celsius and Fahrenheit

*When used with FaceStation F2

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### Specifications

<table>
<thead>
<tr>
<th>Part Code</th>
<th>TCM10-F5F2</th>
<th>TCM10-F52</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compatible Face Recognition Terminal</td>
<td>FaceStation F2</td>
<td>FaceStation 2</td>
</tr>
<tr>
<td>Max. Resolution</td>
<td>120 x 160 (19,200 pixel)</td>
<td></td>
</tr>
<tr>
<td>Frame Rate</td>
<td>8fps</td>
<td></td>
</tr>
<tr>
<td>NETD (Noise Equivalent Temperature Difference)</td>
<td>≤ 50 mK (q25°C, Fii = 1.0)</td>
<td></td>
</tr>
<tr>
<td>Field of View</td>
<td>37.2° x 50° (H x V)</td>
<td></td>
</tr>
<tr>
<td>Temperature Range</td>
<td>30°C to 45°C</td>
<td></td>
</tr>
<tr>
<td>Temperature Accuracy**</td>
<td>±0.5°C±0.9°F/±0.3°C±0.5°F</td>
<td></td>
</tr>
<tr>
<td>Temperature Distance</td>
<td>50 cm-130 cm</td>
<td>40 cm-80 cm</td>
</tr>
<tr>
<td>Interface</td>
<td>USB</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0°C-50°C</td>
<td></td>
</tr>
</tbody>
</table>

**Dimensions**
- Camera: 77 mm x 46 mm x 22.2 mm (1.09 x 1.81 x 0.87")
- Camera with bracket: TCM10-F5F2-ODB:
  - 109.89 mm x 315.69 mm x 13 mm (4.33 x 12.43 x 0.51")
  - TCM10-F5F2-DB:
    - 109.89 mm x 283.39 mm x 13 mm (4.33 x 11.16 x 0.51")

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### Supported Products

- **FaceStation F2**
  - Support for BioStar 2 Server
  - Face recognition terminals with Thermal Camera

- **FaceStation 2**
  - Support for BioStar 2 Server
  - Face recognition terminals with Thermal Camera

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### System Configurations

- Web Browser (BioStar 2 Client)
- Face recognition terminals with Thermal Camera
- Door

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### Operation Example

1. Measure skin temperature at the door
2. Face recognition terminal will display whether the measured skin temperature is higher than preset threshold
3. Trigger alarm & notification to admin

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