

Suprema Thermal Camera

FaceStation 2 with Temperature Detection



Suprema FaceStation 2 with Temperature Detection combines Suprema's face recognition terminal* with Suprema Thermal Camera to detect users with elevated skin temperature.

- FaceStation 2's face recognition algorithm designates the upper face area, enabling Suprema Thermal Camera to measure the most accurate skin temperature.
- FaceStation 2 displays the temperature on a 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.

*Suprema Thermal Camera consists of the camera, bracket, USB cable and screws. FaceStation 2 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.

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Features



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 FaceStation 2
- 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 FaceStation 2 via USB
- Comes with a bracket for convenient deployment on new and retrofit installs



Ergonomic design for convenience

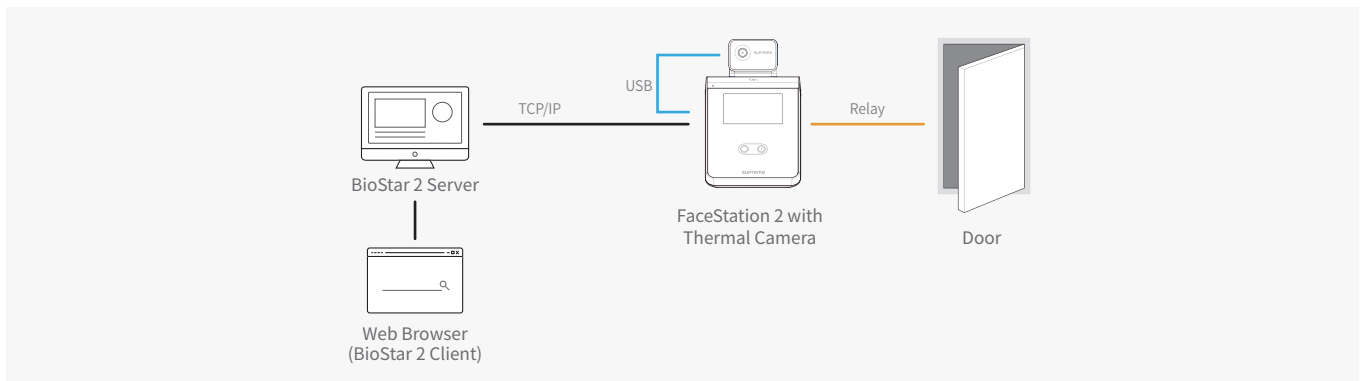
- Supports extended height range of 145 cm–210 cm for face recognition and distance of 40 cm–80 cm for temperature measurement
- Intuitive GUI for notifications
- Temperature can be displayed both in Celsius and Fahrenheit

Specifications

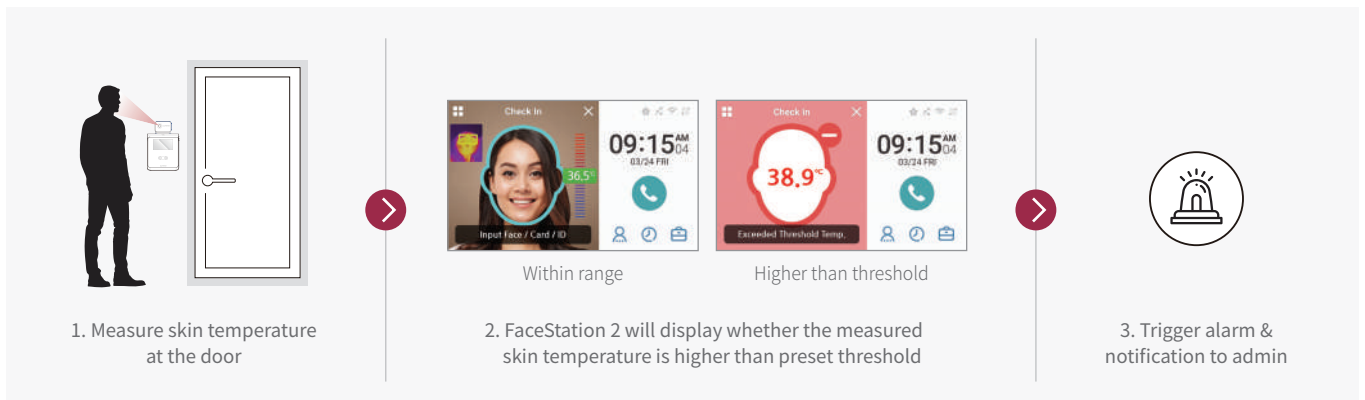
| | |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Part Code | TCM10-FS2 |
| Max. Resolution | 120 × 160 |
| NETD (Noise Equivalent Temperature Difference) | ≤ 50 mK (@25°C, F# = 1.0) |
| Field of View | 37.2° × 50°(H × V) |
| Temperature Range | 30°C to 45°C (86°F to 113°F) |
| Temperature Accuracy* | ±0.5°C (0.9°F)* / ±0.3°C (0.5°F)** |
| Temperature Distance | Adjustable, 40 cm–80 cm (15.7" to 31.5") |
| Interface | USB |
| Operating Temperature | 0°C to 50°C (32°F to 122 °F) |
| Dimensions (W x H x D) | Camera: 77 mm x 46 mm x 22.2 mm (3.03" x 1.81" x 0.87") Camera with Bracket: 139.84 mm x 163.8 mm x 22.8 mm (5.51" x 6.45" x 0.90") |
| Components | Thermal camera with bracket and USB cable, 6 screws (does not include FaceStation 2) |
| Firmware | v1.3.2 or v1.4.0 and above |
| Compatible BioStar 2 | v.2.8.2.902 or v.2.8.6 and above |

*For ±0.5°C accuracy, use the device:
 • In recommended ambient temperature (10°C to 35°C or 50°F to 95°F)
 • 90 minutes after turning on/90 minutes after turning on for self-calibration
 **According to KOLAS(Korea Laboratory Accreditation Scheme) calibration certificate

System Configurations



Operation Example



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