

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

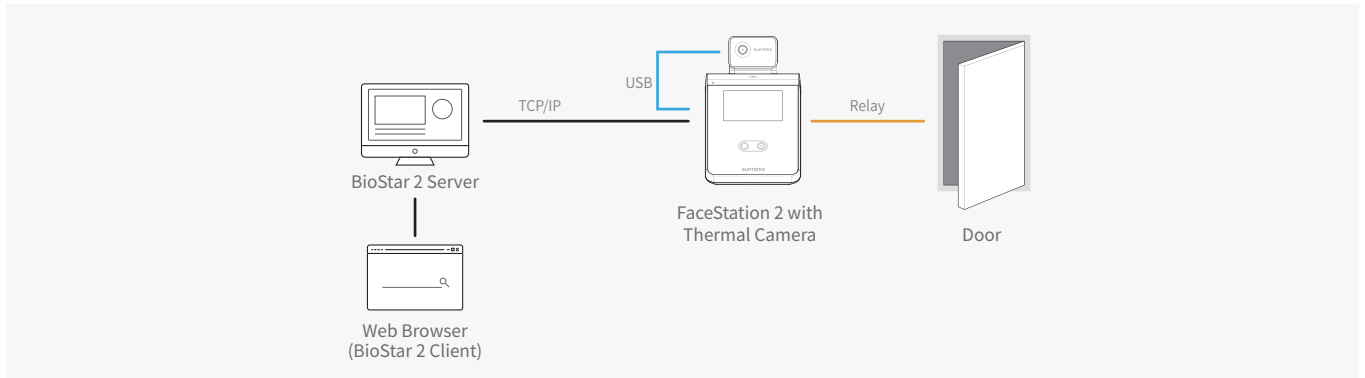
- Supports extended height range of 145 cm–210 cm for face recognition and distance of 40 cm–80 cm for temperature measurement
- Intuitive GUI for notifications
- Temperature can be displayed both in Celsius and Fahrenheit

Specifications

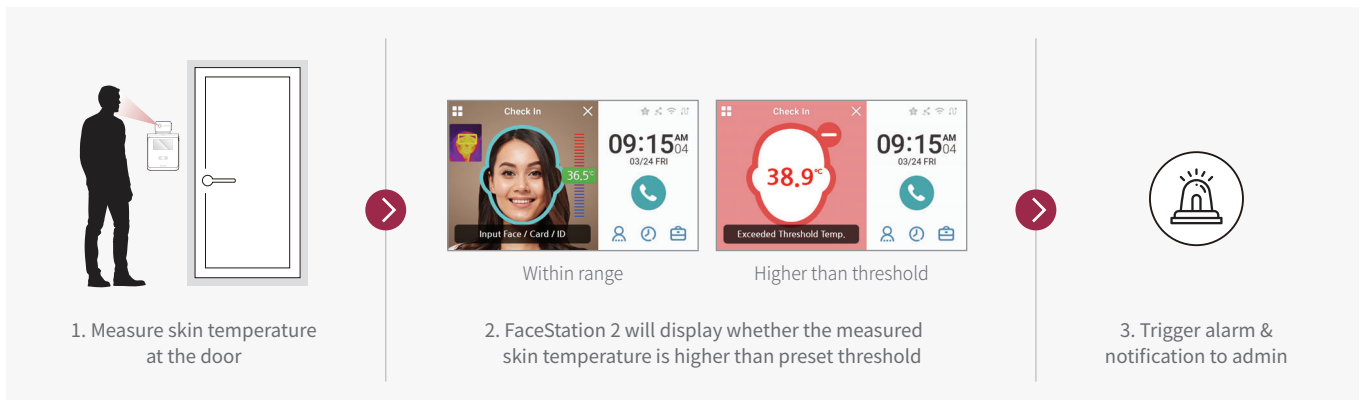
Part Code	TCM10-FS2
Max. Resolution	120 × 160
NETD (Noise Equivalent Temperature Difference)	≤ 50 mK (@25°C, F# = 1.0)
Field of View	37.2° × 50°(H × V)
Temperature Range	30°C to 45°C (86°F to 113°F)
Temperature Accuracy*	±0.5°C (0.9°F)
Temperature Distance	Adjustable, 40 cm–80 cm (15.7" to 31.5")
Interface	USB
Operating Temperature	0°C to 50°C (32°F to 122 °F)
Dimensions (W × H × D)	Camera: 77 mm × 46 mm × 22.2 mm (3.03" × 1.81" × 0.87") Camera with Bracket: 139.84 mm × 163.8 mm × 22.8 mm (5.51" × 6.45" × 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 (for self-calibration)

System Configurations



Operation Example



Suprema Inc.

17F Parkview Tower, 248, Jeongjail-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, 13554, Republic of Korea
 T +82 31 783 4502 E sales_sys@supremainc.com www.supremainc.com



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