

Suprema Thermal Camera

Temperature Detection Module



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.

Suprema Thermal Camera

Temperature Detection Module

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 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

Specifications

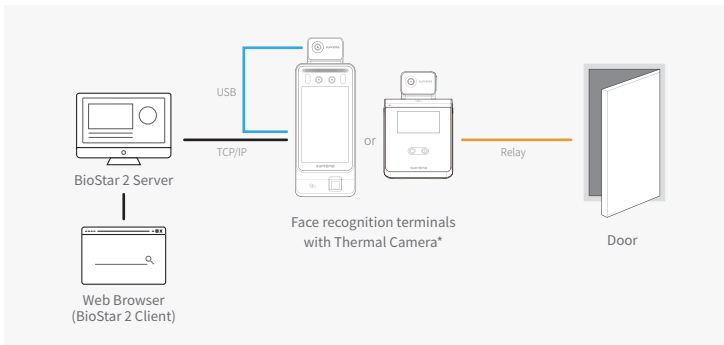
Part Code	TCM10-FSF2	TCM10-FS2
Compatible face recognition terminal	FaceStation F2	FaceStation 2
Max. Resolution	120 x 160 (19,200 pixel)	
Frame Rate	25fps	
NETD (Noise Equivalent Temperature Difference)	≤ 50 mK (@25°C, F# = 1.0)	
Field of View	37.2° x 50° (H x V)	
Temperature Range	30°C to 45°C	
Temperature Accuracy*	±0.5°C (0.9°F)*/±0.3°C (0.5°F)**	
Temperature Distance	50 cm-130 cm	40 cm-80 cm
Interface	USB	
Operating Temperature	0°C-50°C	
Dimensions	Camera: 77 mm x 46 mm x 22.2 mm (3.03" x 1.81" x 0.87") Camera with bracket: TCM10-FSF2-ODB: 109.89 mm x 315.69 mm x 13 mm (4.33" x 12.43" x 0.51") TCM10-FSF2-DB: 109.89 mm x 283.39 mm x 13 mm (4.33" x 11.16" x 0.51")	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")

*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

**According to KOLAS (Korea Laboratory Accreditation Scheme) calibration certificate

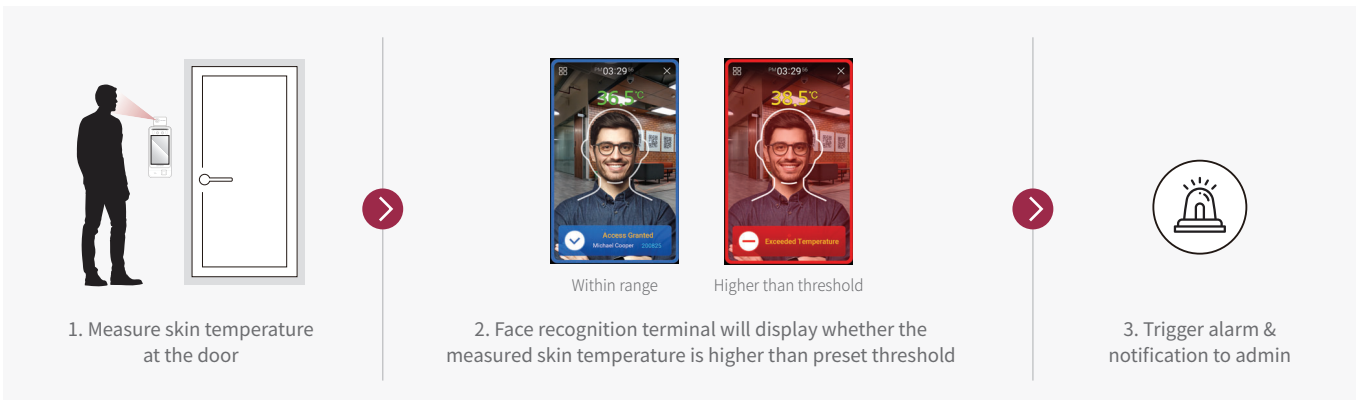
System Configurations



Supported Products



Operation Example



Suprema Inc.

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<https://www.supremainc.com/en/about/contact-us.asp>