Thermal Imaging Camera

SM080 Thermal Imaging Camera

Fixed-type thermal imaging camera

Thermal imaging camera for precise measurements (video & temperatures) developed and manufactured with native technology that offers user convenience with alert functionality, easy installs wherever necessary, and early discovery and prevention of potentially dangerous situations.

Temperature margin of error ±0.1℃ (normal temperature).

Developed/manufactured with pure native technology.

Can be installed on standard tripods and used on laptops.

SM080

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■ Features

1. High quality product developed/manufactured with highly unique native technology.

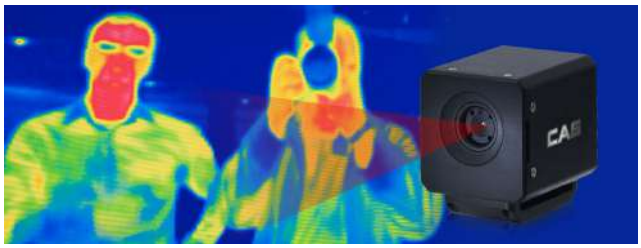
Lens, electronic modules, housing, software are all Made in Korea.
Acquired patents for infrared camera and camera lens,
6400-pixel thermal imaging resolution,

2. Alarm functionality that is triggered when temperature deviates from pre-designated values

Operating temperature range is between -10°C and 50°C with a margin of error of ±1°C(normal temperature). A contactless product that offers high precision with a 0.1°C resolving power that can assist in the spread of danger throughout the community by detecting problems and prompting inspections in advance with alarms that are immediately triggered (computer speaker alarm and saving functionality) when temperature deviates from the setting of minimum, average and maximum temperatures.

3. Quick and accurate scans, fast response speed

The contactless thermal imaging camera displays the accurate temperature of targets such as electrics, equipment, machinery and others in real time by processing the temperature distribution at a speed of 30 frames per second. The camera also implements IR optical lens FOV 58 degrees, most ideal for detecting heat sources.



4. You may install the standard tripod anywhere you need it.

The user may install the tripod included with the product anywhere necessary to detect temperature changes in real time, and discover and prevent fires and potential dangers for quarantine measures.

■ Applications

- Kindergarten, schools, libraries, etc. where safety and contagion of students may be of concern
- Places with many visitors in transit, such as community centers, health centers, subway etc. where contagion may be of concern
- Places where large groups gather, such as weddings, society meetings, hospitals and small shops such as coffee shops, restaurants, etc.

- Transformers, switchboards, emergency power production facilities, air vents, underground culverts, garbage incineration plants, warehouses, air conditioning and heating equipment, data centers, etc.

■ specifications

Model	SM080
Operating temperature range	0°C ~ 200°C
Thermal imaging resolution	80 x 80 (6400 pixels)
FOV (Field of View)	58 degrees
Precision	2°C OR ±2% (0°C ~200°C) ±1°C (when operating under normal environmental temperatures of 10°C ~ 30°C)
Palette	6 different colors + black & white. Colors displayed only when temperature rises above pre-designated temperature
Streaming	PC-based real-time streaming capability
Alarm	May set alarm to go off when temperature rises above pre-designated temperature
Display of temperature	Displayed in units of 0.1°C
Hours of use	May be used 24 hours/day
Manufacturer	SOMO IR Co., Ltd.
Distributor	© CAS
Country of origin	MADE IN KOREA
Number of persons measured	4 adults may be measured simultaneously within 2 meters (Up to 10 adults may be measured with longer distances)

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*Specifications are subject to change without notice improvement.