

Body Temperature Inspection System



PSC-400FCS

When Safety and Temperature Matter



PSC-400FCS Body Temperature Inspection System

KEY SYSTEM FEATURES:

- Ability to screen a moving group of individuals for elevated skin temperature
- Designed for high volume traffic areas and crowds, as well as single individual identification
- Automatic alarm sounds when skin temperature reaches preset alarm value
- Automatically saves a thermal image on alarm condition
- Comprehensive, intuitive software included in the package
- System runs on a standard Microsoft Windows™ PC
- Simple system installation and operation



Increased travel volumes and routine international travel enables the rapid global spread of contagious diseases that can quickly lead to pandemics. Any public place where groups of people congregate provides the opportunity to spread the disease. A key component to limiting and slowing the spread of infection is implementing fast, non-contact and non-invasive methods to screen and identify elevated human body temperatures—one of the warning signals of many types of viral infections. The PSC-400FCS thermal camera meets and exceeds all the demands.

While ideal for screening travelers, the system can be deployed at entrances of commercial businesses or public venues where people gather, making it an ideal method to protect the health of the public, singling out those at risk, and assuring the overall efficiency of contagion prevention. **In addition to the travel points previously mentioned, the following locations may benefit:**

- Airports and other transportation centers may use a scanner at every entrance to protect travelers and staff.
- General businesses safeguard the health of all through traffic by screening everyone who passes through their portals.
- Fever screening will put travelers, employees and visitors at ease.





The bi-spectral system camera contains both a thermal and visible camera in the same rugged, light-weight housing. Operating with a response time of 30ms, it can switch from a visual to thermal image in real time, identifying crowds or individuals as desired. The camera may be used in stand-alone operation with a PC or as a networkable system via Ethernet cable. The unique automatic thermal facial recognition feature creates a boxlike border around the head of a person and auto tags the associated temperature.

The PSC-400FCS system works discreetly. The software singles out individuals whose skin temperatures exceed a pre-determined value set by the user or operator. The visual alarm gives monitoring operators the capability to identify and isolate potential virus carriers from their fellow travelers, thereby leading to private medical examinations. The PSC-400FCS software offers the ability to automatically save an IR image when the alarm is tripped.

The PSC-400FCS imaging system—consisting of the IR thermal camera, software, 2 mounting brackets and companion blackbody reference source—is easy to install. The camera may also be mounted on a tripod. The system can be relocated and set up in minimum time. The blackbody source is located in the observed image viewing area, assuring the camera's temperature accuracy of $\pm 0.3^{\circ}\text{C}$.



Request a Quote Today!

Call us at (508) 473-9901 or visit www.ProcessSensors.com/bodytemp

Our experienced team is eager to answer your application questions and demonstrate how our technology can solve the challenges you face every day.




Body Temperature Inspection System

A Model PSC-400FCS Bi-Spectral Thermal Imaging Camera System

A unique, bi-spectral, intelligent recognition thermal imaging camera system with real-time body / skin temperature measurement software.

SPECIFICATIONS:

Model: Thermal Camera	PSC-400FCS (Fever Camera System) With bi-spectral (IR+VIS) and intelligent recognition technology
Temperature Ranges:	- 20°C to 60°C // -4°F to 140°F
Detector:	Uncooled UFPA (Microbolometer - Vox)
Resolution:	400 x 300 pixels
Thermal Sensitivity:	≤ 40mk (0.040°C)
Field of View:	40° x 35.3°
System Accuracy:	≤ 0.3°C (with use of a supplied blackbody source)
Frame Rate:	≤30 fps
Spectral Range:	8 to 14 μm
Focus Control:	Manual
Detection distance:	13 feet optimum; Range 10 to 16 ft.
Camera interface - Ethernet	RJ-45 (10/100Base-T), 15 feet long (provided)
Temperature Alarm	Over temperature alarm, Temperature difference (Delta T)
Visible Camera Resolution	1920(H)×1080(V) pixels
Audio Interface	1ch Audio In,1ch Audio Out
Alarm Output	2ch Alarm In,2ch Alarm Out
Digital Support	RS485
Power Supply	DC12V/POE (IEEE 802.3af)

Operating Temperature	-30°C to 60°C (-22°F to 140°F)
Certifications	CE / FCC
Weight	4.4 lbs. (2 kg)
PC Requirements	Local PC with Microsoft window 8 -10 for instant recording
Working Environment	Avoid interference of wind, sunshine, high temperature and reflective objects, indoor location
Imaging Software:	Real-time temperature, intelligent functions; body motion detection; delta T; automatic display of max. temperature
Color Palettes:	Iron, rainbow, black-white, black-white inverted, black-heat , white-heat, iron-red (17 modes)
Power Supply:	DC12V/POE (IEEE 802.3af)
Dimensions:	8.35" x 7.17" x 5.35" (212×182×136mm)
Ceiling Mtg. Bracket for Blackbody Source	
Wall Mount Bracket for Camera	
Blackbody Reference Source:	



THE PSC ADVANTAGE

Process Sensors Corporation, a KPM Analytics company, is a leading supplier of IR and NIR sensors and systems to Fortune 500 manufacturing companies and small, privately held organizations in industries worldwide.

With sales and application support offices around the world, Process Sensors Corporation's dedicated experts are committed to the long-term success of our customers from initial installation and training to on-site support and product enhancements. We pride ourselves on technical competence and customer satisfaction.

To speak with an IR or NIR expert about your application, visit our website or call us today.



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