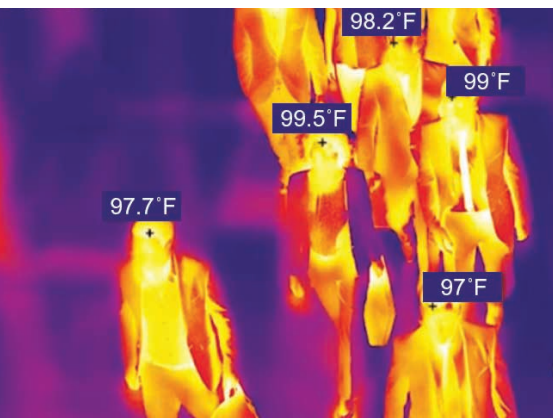


Body Temperature Inspection System



PSC-320FCS

When Safety and Temperature Matter



PSC-320FCS Body Temperature Inspection System

KEY SYSTEM FEATURES:

- Ability to screen a moving group of individuals for elevated skin temperature
- Designed for medium 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



All public spaces where groups of people congregate provide the opportunity to spread 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 temperature. One of the few warning signs of many viral and bacterial infections is a fever.

The accurate, high performance, value-driven PSC-320FCS is ideal for the task of securing the health of employees and customers at smaller businesses, as well as students and staff members at schools and universities. Budget-conscious school boards would do well to consider installation of the system for use now and well into the future; and younger generations will benefit from the protection of these safeguard systems for years to come.

The motion detecting, face-recognition camera systems are deployed at building entrances where individuals gather. The PSC320-FCS provides a safe, non-invasive way to protect public health by highlighting those at risk.

- Businesses and schools may use a scanner at every entrance to protect visitors and staff.
- General businesses safeguard the health of all through traffic by screening everyone who passes through their portals.
- Fever screening will put employees, customers, faculty, visitors, and students at ease.

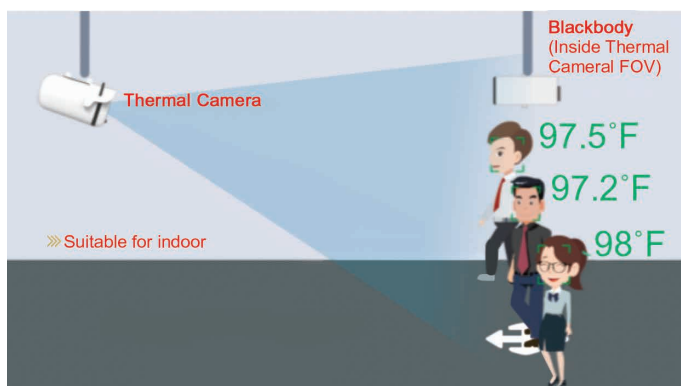




The bi-spectral system camera contains both a thermal and visible camera in the same rugged, lightweight housing. Operating with a response time of 50ms, it can switch from a visual to thermal image in real time, identifying crowds or individuals as desired. The camera may be used in stand-alone operation 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-320FCS 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 incoming groups, leading to further private screening. The PSC-320FCS software offers the ability to automatically save an IR image when the alarm is tripped.

The PSC-320FCS imaging system—consisting of the IR thermal camera, software, two 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 $\pm 0.54^{\circ}\text{F}$ // $\pm 0.3^{\circ}\text{C}$.



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-320FCS 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-320FCS (Fever Camera System) With bi-spectral (IR+VIS) and intelligent recognition technology
Temperature Ranges	32°F to 140°F // - 0°C to 60°C
Detector	Uncooled UFPA (Microbolometer - Vox)
Resolution	320 x 240 pixels
Thermal Sensitivity	≤ 50mk @F1.0, 300K
Field of View	44° x 33°
System Accuracy	≤ 0.54°F // 0.3°C (with use of a supplied blackbody source)
Frame Rate	25/30 fps
Spectral Range	8 to 14 μm
Focus Control	Manual
Detection distance	- 13ft/4m optimum; Range 10-16 ft/3-5 meters
Camera interface - Ethernet	- RJ-45 (10/100Base-T) 15ft/5m 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	-22°F to 140°F // -30°C to 60°C
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	1.33" x 1.18" x 1.33" (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 infrared (IR) and near infrared (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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