



# **Body Temperature Inspection Systems**





www.macpapers.com 833.MAC.PACK (622.7225)

### **BR-BTIS400-K0 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 BR-BTIS400-K0 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 network-able system via an ethernet cable. The unique automatic thermal facial recognition feature creates a boxlike border around the individual's head and auto tags the associated temperature.

The BR-BTIS400-K0 system works discreetly. The software singles out individuals whose skin temperatures exceed a pre-determine 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, there-by leading to private medical examinations. The BR-BTIS400-K0 software offers the ability to automatically save an IR image when the alarm is tripped.

The BR-BTIS400-K0 imaging system—consisting of the IR thermal camera, software, mounting bracket and companion blackbody 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 ±0.3°C.



For additional information, please contact your local Mac Papers account manager.







## **Body Temperature Inspection System**

Model BR-BTIS400-K0 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	BR-BTIS400-K0 (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° × 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:	distance of up to 16 feet	
Camera interface - Ethernet	RJ-45 (10/100Base-T), 15 feet long (provided)	
Temperature Alarm	Over temperature alarm, Temperature difference (Delta T)	
Camera interface - Ethernet	RJ-45 (10/100Base-T), 15 feet long	
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~60°C(-22°F~140°F)	
Camera Housing / Rating	-30°C <sup>~</sup> 60°C(-22°F <sup>~</sup> 140°F)	
Camera Housing / Rating	Metal / IP66	
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	
Operating Temperature:	-40°C to 80°C	
Ethernet Cable:	RJ-45 (10/100Base-T)	
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" × 1.18" × 1.33" (212×182×136mm)	
Ceiling Mtg. Bracket for Blackbody Source		
Wall Mount Bracket for Camera		
Blackbody Reference Source:	Temperature	

### HOW TO ORDER - Camera and Installation Kits

Item	P/N	Includes
Base System	BR-BTIS400-K0	Camera, Black Box, Mounting arms for each. Configuration Assistance.
Base System + PoE Install Kit 1	BR-BTIS400-K1	BR-BTIS400-K0 + PoE Injector, DC Power Supply
Base System + PoE Install Kit 2	BR-BTIS400-K2	BR-BTIS400-K0 + PoE Unmanaged Switch, 6 Port/4Ports PoE, DC Power Supply
Base System + PoE Install Kit 3	BR-BTIS400-K3	BR-BTIS400-K0 + PoE Gbit Unmanaged Switch, 5 Port/4Ports PoE, DC Power Supply
Base System + PoE Install Kit 4	BR-BTIS400-K4	BR-BTIS400-K0 + PoE Managed Switch, 4 100baseT POE Ports + 2 Gbit Combo Ports , DC Power Supply
Base System + PoE Install Kit 5	BR-BTIS400-K5	BR-BTIS400-K0 + PoE Gbit Managed Switch, 8 PoE Ports + 4 SFP Slots, DC Power Supply

