



### ***ACQUIRE BODY TEMPERATURE WITH INFRARED CAMERA IN-SCENE REFERENCE***

- Φ CONTROLLED TO HUMAN BODY TEMPERATURE***
- Φ REFERENCE SOURCE IN-SCENE WITH SUBJECT***
- Φ COMPENSATION OF ENVIRONMENTAL EFFECTS***
- Φ REMOVE THERMAL CAMERA ERROR***
- Φ CALIBRATION OF THERMAL CAMERAS***
- Φ HUMIDITY AND AMBIENT SENSORS***

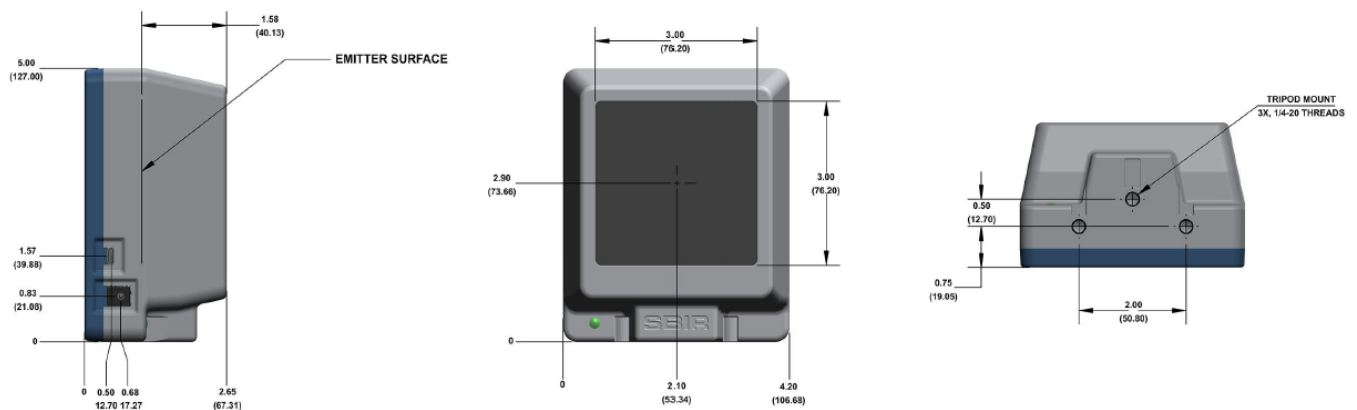
Infrared Systems Development has teamed with Santa Barbara Infrared to offer this new low cost solution for real-time body temperature measurement systems. The Nightingale Reference Target source is designed for in-scene comparison of human body temperature. Using the Nightingale in the same scene as the subject allows for immediate visual and reporting verification of the Infrared Camera Temperature. Infrared Cameras and spot sensors can be affected by many factors in the environment which can be minimized with the Nightingale.

# NIGHTINGALE

## SPECIFICATIONS AND DIMENSIONS

### Specifications:

- Temperature Range : 30 – 45 °C (86-113°F)
- Emissivity / Wavelength Range : >0.95 / 3 – 14 um
- Emitter Size: in (mm) : 3" x 3" (76.2 x 76.2 mm)
- Source Type : Extended Area
- Temperature Uniformity : +/- 0.15 °C (+/- 0.3 °F) Center 1.5 x 1.5" Area
- Calibration Accuracy : +/- 0.15 °C (+/- 0.3 °F) Radiometric
- Stability : +/- 0.05 °C (+/- 0.1 °F)
- Startup Time : < 5 Minutes
- Set Temperature Resolution : 0.1 °C (0.2 °F)
- Ambient Temperature Sensor: 0°C to 50 °C +/- 0.2° C (+/- 0.4° F)
- Relative Humidity Sensor: 0-100%, +/- 5% R.H.
- Control Type : Active Multi-Band P.I.D.
- AC Adapter Line Voltage : 90 to 125 or 208-240 VAC 50-60 Hz
- Power Requirements : 18 VDC, 1A DC Max, AC Power Adapter Provided
- Operating Environment : 22°C +/-6°C)  
5%-90% R.H. N.C.
- Storage Temperature Range: -20°C to 70°C (-4°F to 158°F)
- Warranty: 1 Year
- Remote Interface: USB
- Mounting : ¼ - 20 Tripod Mount
- Weight : 1.5 lbs (.682 Kg)
- Model Number : BTR-03



Specifications subject to change without prior notice

**Φ INFRARED SYSTEMS DEVELOPMENT**  
CORPORATION