

# NEWS RELEASE

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*For Immediate Release*

## **Santa Barbara Infrared (SBIR) Introduces Blackbody System Developed for COVID-19 Body Temperature Detection**

**SANTA BARBARA, Calif. – April 27, 2020 - Santa Barbara Infrared, Inc. (SBIR - [www.sbir.com](http://www.sbir.com))**, a leading manufacturer of advanced infrared (IR) and electro-optical (E-O) test hardware for medical, aerospace, and defense applications, introduces the **Nightingale Body Temperature Reference (BTR) Blackbody System** for human body temperature detection.

The innovative blackbody system provides a highly-stable, uniform, low-cost and easy-to-operate thermal source for the detection of human body temperatures. Specially designed for use in thermal imaging body-temperature screening systems, SBIR has developed this system to work utilizing a convenient, viewable, thermal reference area for infrared camera systems.

Nightingale features include a “set and forget” temperature-programming function that is configurable to Celsius or Fahrenheit, with settable temperature ranges, above ambient, from 30 °C to 45 °C (86 °F to 113 °F). SBIR’s thermal source/blackbody system has a 3” x 3” emitting aperture, a USB communication interface, and average emissivity of >0.950 mid-wave infrared (MWIR) through long-wave infrared (LWIR). Other features include temperature accuracy of  $\pm 0.15$  °C ( $\pm 0.3$  °F), temperature stability of  $\pm 0.05$  °C ( $\pm 0.1$  °F), and uniformity of  $\pm 0.15$  °C ( $\pm 0.3$  °F) over central 1.5” x 1.5” region of interest.



SBIR president Steve McHugh, notes, “We are excited to announce the development of these new thermal sources for use in human fever detection systems to help fight the spread of COVID-19. By leveraging our core technology of military and scientific blackbody sources, our team has worked tirelessly to create a low-cost, thermal reference that can be produced quickly in high volumes.”

To find out more, please call +1 805-965-3669, or to download the Nightingale Body Temperature Reference data sheet, please go to: <https://sbir.com/btr-body-temperature-reference-source-nightingale/>.

**Santa Barbara Infrared Inc. (SBIR - [www.sbir.com](http://www.sbir.com))** designs and manufactures the most technologically advanced infrared and electro-optical (EO) test instrumentation available. Its broad line of innovative products supports testing of military and commercial sensor systems and is used worldwide in laboratory, production, depot and field-test applications. Founded in 1986, SBIR quickly became the leader in the EO test instrumentation field. In 1999, SBIR became part of HEICO Corporation, an aerospace company based in Hollywood, Florida. [HEICO Corporation](#) is a rapidly growing, technology-driven company that has been engaged in niche market segments within the aerospace, aviation and electronics industries for more than 40 years. Additionally, HEICO has been named on Forbes' Best 100 Small Companies list and 200 "Hot Shot Stocks" list routinely.

The company has recently introduced a body temperature reference for a stable, uniform, low-cost and simple-to-operate thermal source for use in human body temperature screening systems. The innovative blackbody system is a critical component in helping combat the spread of the new coronavirus disease (COVID-19).

SBIR continues to maintain its leadership position within the test instrumentation field and is the preferred supplier to many of the major domestic and international manufacturers of EO sensors and systems. SBIR's focus is to provide well-engineered, cost-effective hardware and software solutions to the EO community. Extensive design capabilities cover the spectrum of infrared, laser, visible and dynamic-scene projection applications.

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