

# Seek Scan™

## Simple Screening for Safer Communities

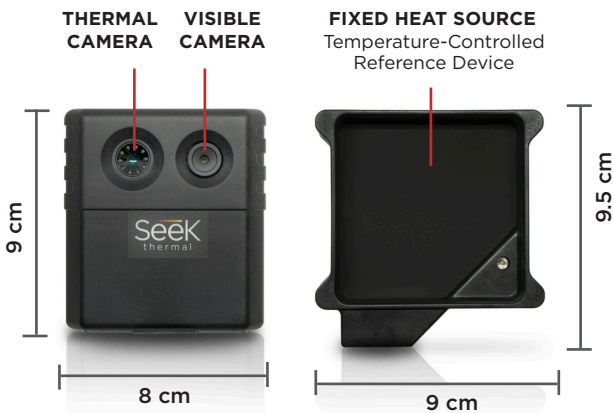
Helps businesses, institutions and venues reopen a safer environment

- Accurate, automated and affordable
- Same performance as a temporal thermometer, but with a safe social distance
- Specifically designed and calibrated for skin temperature measurement
- Uses a reference heat source for high accuracy
- APIs available for access control, VMS and other network capabilities
- Meets FDA Guidelines for initial body temperature assessment

Seek  
thermal

thermal.com

Part Number  
**YW-AAA**



Seek Scan™ is a simple, low-cost, thermal imaging system designed to automate body temperature screening using skin temperature as a proxy. With  $\pm 0.3^{\circ}\text{C}$  ( $\pm 0.5^{\circ}\text{F}$ ) accuracy and the inclusion of a reference heat source, Seek Scan delivers the same performance as an infrared temporal thermometer - but with a safe social distance.

The Seek Scan process provides an additional layer of preventive screening and delivers more peace of mind to businesses, institutions and participants.

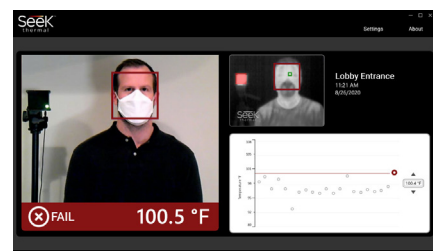
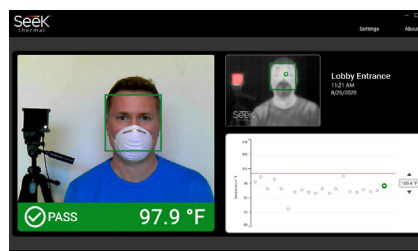
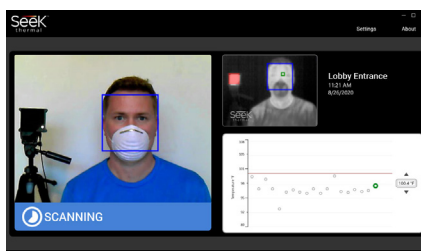
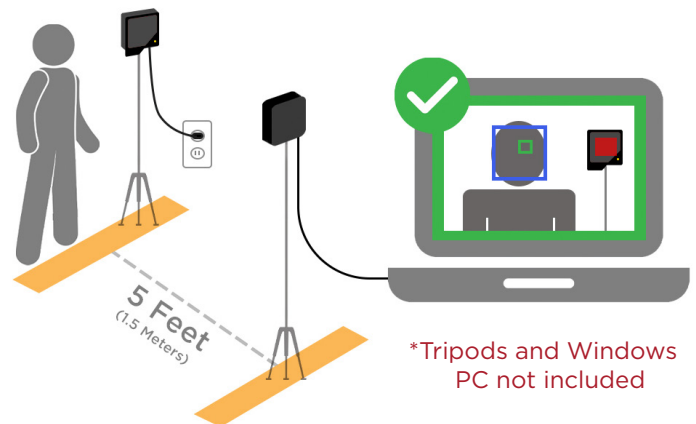
Set up Seek Scan in minutes using two tripods and a Windows PC.

**Manufactured in the USA & NDAA compliant**

*\*Patents Pending*

### PERFECT FOR:

- Small, medium & large businesses
- Factories and warehouses
- Hotels & Restaurants
- Healthcare Facilities
- Venues, theaters and arenas
- Nursing homes
- Schools and daycares
- Gyms and other sports facilities



## KEY FEATURES

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### Fast, Automated Screening

In seconds, the system automatically detects a face, finds the most reliable spot to measure and displays a pass/fail alert.

### Enables Social Distancing

Delivers the same performance as a temporal thermometer - but with a safe social distance.

### Affordable

Affordable thermal screening system that meets FDA guidelines for initial body temperature assessment during the Covid-19 Public Health Emergency.

### Email Notifications

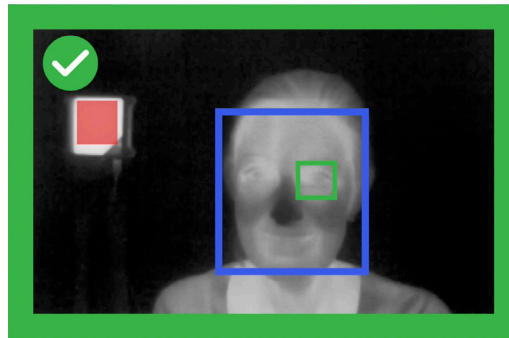
Receive an email notification every time someone measures above the customizable alarm temperature.

### API Integration

Send alarm events, trigger access control and video management systems, pull and present historical data to integrate and stream multiple Seek Scans into one enterprise solution.

### Meets FDA guidelines

Seek Scan meets the accuracy specification, includes a reference heat source and is made for single person screening.



## SKIN TEMPERATURE VS BODY TEMPERATURE

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### Seek Scan measures skin temperature as a proxy for body temperature.

Here are a few things to know about skin temperature measurement:

- Skin temperature is typically a few degrees less than body temperature. Similar to an infrared temporal thermometer, Seek Scan uses skin temperature to provide an estimated body temperature.
- Seek Scan is programmed to measure the most reliable parts of the face to produce the best results with high accuracy.
- A person's skin temperature may vary based on a variety of circumstances such as ambient temperature, sweat and eyewear. For this reason, Seek Scan is intended for indoor use only and in environmentally controlled rooms.
- Distance is critical to performance. We recommend marking the floor with tape or decals to ensure all subjects are measured from the exact same distance and while positioning the subject next to the heat source.

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**As the #1 supplier of thermal sensors to the Public Safety market and one of the largest suppliers of all commercial thermal sensors globally, we have built hundreds of thousands of thermal cameras used worldwide.**

## TECHNICAL SUMMARY

Camera Specifications		Description
Thermal Sensor Resolution		206 (h) x 156 (v)
Visible Light Camera Resolution		640 x 480
Horizontal / Vertical Field of View		35° (h) / 26° (v)
Lens Focal Length / F-Number		4.0mm / f/1.20
Frame Rate		<9Hz
Power		USB 5V (Plugs into Computer USB-A port)
Dimensions (L x W x H) & Weight		3 x 8 x 9 cm / 140 g
Tripod Mount		1/4"-20 Standard Camera Tripod Mount
Fixed Heat Source Specifications		
Temperature-Controlled Device		Emits a constant reference temperature
Power		110V to 220V 50/60Hz (Plugs into Wall Outlet)
Dimensions (L x W x H) & Weight		3 x 9 x 9.5 cm / 80 g
Tripod Mount		1/4"-20 Standard Camera Tripod Mount
Measurement Specifications		
Temperature Accuracy		± 0.3°C (0.5°F) typical between 36°C to 40°C (96°F to 104°F) @ 1.5 meters (5 feet) Verified in a laboratory setting using a fixed heat source
Sensor Sensitivity		40 mK typical, <50 mK max @ 25°C (Post Signal Processing)
System Specifications		
Scan Measurement Time		1 to 3 seconds typical
Operating Temperature		Optimal temperature accuracy in conditions below 105°F (40°C) ambient
API Capabilities		RTSP streaming video and UDP & TCP commands via JSON
PC/Tablet Requirements		
OS Requirements <sup>1</sup>		Windows 10 64-bit OS Home/Pro
Processor Requirements <sup>2</sup>		1.2 GHz processor
RAM Requirements		4 GB
Hard Drive Requirements		+10 GB

1. Other Windows OS options may be compatible but are not validated by Seek Thermal
2. Seek Thermal highly recommends using multicore processors



### WHAT'S IN THE BOX

- Camera
- Camera USB-A Cable
- Fixed Heat Source
- Fixed Heat Source Power Cable
- USB Stick with Seek Scan Software
- Quick Start Guide & Warranty

\* Tripods and Windows PC not included

## ABOUT SEEK THERMAL

### Proven Track Record

The company was founded in 2012 by two industry pioneering scientists, Bill Parrish, PhD and Tim Fitzgibbons PhD, who spent 40 years advancing the state of military and professional-grade thermal imaging technology. Following their previous two companies, Amber Engineering and Indigo Systems, each with successful acquisitions, Seek Thermal is their third venture with the mission to make thermal imaging a part of everyday life.

### Built for Quality and Scale

Seek Thermal is partnered with Raytheon and NXP to design and deliver high-quality, affordable thermal imaging sensors and products across the globe at scale. As one of the few companies in the world capable of building sensors, Seek Thermal has shipped hundreds of thousands of thermal imaging products around the world as it continues to make thermal imaging an accessible, everyday tool, so people can do their jobs safer, faster and smarter.

\* Seek Scan should not be used to diagnose or exclude diagnosis of COVID-19 or any other disease or condition. Specifications and undocumented specifications are subject to change without notice or liability.

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