



## IR-Health Observer IR-101

Safe, Effective Elevated Body  
Temperature Screening System

### IDEAL FOR:

- Small & Medium Businesses
- Schools & Day Care Centers
- Warehouses & Factories
- Nursing & Retirement Homes
- Gyms and Sports Facilities
- Theaters & Arenas
- Hotels
- Restaurants



IR-Health Observer™ is an affordable, easy-to-use thermal imaging system for automated elevated body temperature screening. IR-Health Observer™ simultaneously promotes social distancing, self-measurement, and privacy by automatically isolating the subject's face for the temperature measurement without requiring a trained system operator to get accurate, reliable results.



Simple

Get set up and screening in  
minutes, without expensive,  
formal training



Automated

Automatic face detection and  
temperature pass/fail alerts  
makes IR-Health Observer  
easy and  
reliable



Affordable

Priced lower than other thermal  
screening systems on the market

## Why Choose IR-Health Observer™ ?

It's the most reliable, affordable elevated body temperature screening system available today, making it perfect for business lobbies and other key entry points. With easy setup and customizable temperature alarms, you'll be monitoring people's temperatures in minutes. Plus, IR-Health Observer™ helps people maintain proper social distancing protocols to help keep your employees, customers, and guests safe.

# IR-Health Observer™

Safe, Effective Elevated Body Temperature Screening System

## WHAT'S IN THE BOX:

- IR-Health Observer Camera
- Power adapter
- Ethernet cable & USB adaptor
- Desktop tripod & mount extension

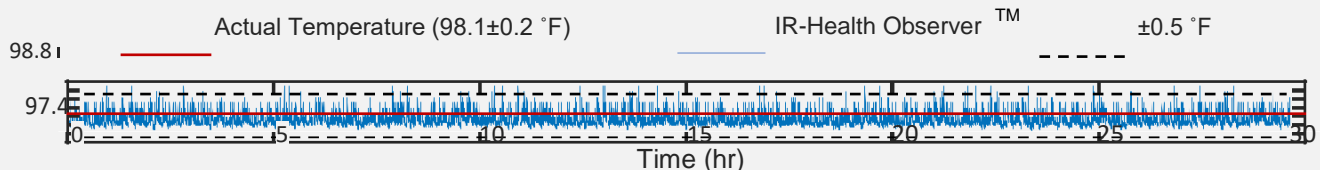
## IR-HEALTH OBSERVER SOFTWARE

Powerful and easy-to-use interface that makes it a snap to set up and calibrate your camera's alarm levels. Plus, it gives you both on-screen and audible alerts, so you'll know if a temperature threshold has been exceeded right away, while maintaining safe social distancing.



Temperature Measurement & Alarm	Temperature Range	Optimal: 91 - 104°F (33 - 40°C) / Max: 82 - 113°F (28 - 45°C)
	Temperature Accuracy**	Without Blackbody: $\leq \pm 0.5^\circ\text{F}$ ( $\leq \pm 0.3^\circ\text{C}$ ); (Optimal Range)
Thermal Camera	Measurement Distance	3.5 - 6.5ft (1 - 2m)
	Calibration	Human subject or blackbody
Visible Camera	Target Mode	Single or Multiple Person
	Intelligent Tracking	Automatic target tracking and highest temperature readout
Operating Condition	Temperature Alert	User defined threshold value
	Sensor Technology	Uncooled Vox Microbolometer
Operating Condition	Resolution	160 x 120
	NETD	<50 mK (0.050 °C)
Operating Condition	FOV	57° x 44°
	Color Palettes	Iron Red
Operating Condition	Sensor Technology	1/2.9 inch CMOS
	Pixel Size	2MP
Operating Condition	Resolution	1920 x 1080
	Low Light Level	Color: 0.1Lux@(F1.2) / B&W: 0.01Lux@(F1.2)
Operating Condition	Wide Dynamic	Supported
	Color Balance	Supported
Operating Condition	Digital Noise Reduction	3D digital noise reduction
	Temperature	50 - 113°F (0 - 45°C) / Preferred: 60 - 90°F (16 - 32°C);
Operating Condition	Humidity	EC 60068-2-30/24h 85% RH
	Power Adaptor*	Input: 100-240V AC, Output: 15V 2A DC
Operating Condition	Dimension	3.75 x 3.5 x 1.6in (95 x 88 x 40mm)
	Weight	12.3 oz (348 g)

\*\* IR-Health Observer™ drift accuracy is shown over a 30hr period without the use of a blackbody.



*Disclaimer: Our products are not used to diagnose any disease. Planck Vision Systems is not advertising our cameras as medical equipment. Our products can only identify individuals with elevated skin temperature. There is no way to thermally detect an infected individual who does not have an elevated body or skin temperature and only a licensed medical professional can determine if such an individual is experiencing an abnormal medical condition.*