TempChecker
Infared Temperature Screening System

STVS

Easy to deploy, unpack and operate • High Precision Integrated Solution
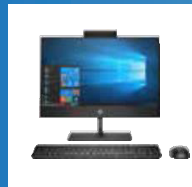

BINOCULAR THERMAL CAMERA

TRIPOD

BLACKBODY

ALL IN ONE PC

TEMPERATURE MEASUREMENT AND SCREENING

TempChecker combines advanced Infrared thermal and visible light imaging technologies into a non-contact, high-throughput temperature measurement and screening solution. Powered by deep learning algorithms and proprietary AI, TempChecker accurately locates individual face positions while avoiding the influence of irrelevant heat sources.

When an abnormal facial temperature is detected, TempChecker automatically alerts and notifies the operator. TempChecker is optimized for use in all public and heavily trafficked areas including: Airports, Public transportation, Offices, Factories, Schools, Hotels, Correctional facilities, Grocery stores, Athletic facilities, and Gyms.
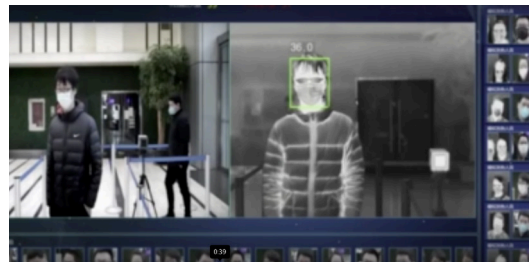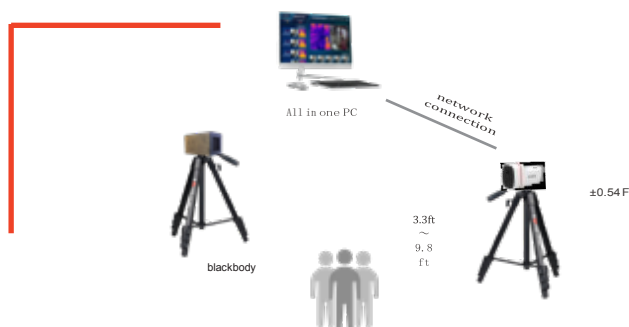

INTELLIGENT TEMPERATURE MEASUREMENT

TempChecker accurately focuses on human faces, including with protective masks, while avoiding the influence of irrelevant heat sources (i.e. a coffee cup) to measure facial temperature quickly, accurately, and on the fly. Leveraging deep learning algorithms, TempChecker's automatic distance compensation ensures accuracy by continuously adjusting as distances change.

HIGH THROUGHPUT WITHOUT STOPPING

TempChecker enables contactless temperature measurement of multiple people simultaneously without stopping or waiting. Measuring from a safe distance of 3.3ft - 16.4ft, TempChecker can screen more than **200 people per minute.**

ACCURATE AUTOMATIC TEMPERATURE CALIBRATION

Automatic temperature calibration compensates for changes in environment to achieve a high measurement accuracy of (+)(-)0.54°F.

DATA SECURITY

TempChecker immediately auto deletes and does not store images of individuals who are not flagged as having an increased face temperature. For those identified as having an elevated face temperature, the system can temporarily hold the image for identity and confirmation.

THERMAL SCAN

TECHNICAL SPECIFICATION

Infared Camera Resolution	384 x 288
Field of View	37.9° x 28.7° (H x V)
Focal Length	.38 inch
Measurement Ranges	86°F – 113°F
Measurement Distance	3.3 feet – 16.4 feet
Measurement Accuracy	±0.54F
Efficiency	200 people / min
Visible Camera Resolution	1920 x 1080
Operation Temperature	32°F – 104°F
Operation Environment	Indoor

* TempChecker is not intended, nor designed to diagnose or detect medical conditions. Including, but not limited to, coronavirus or other infections.