

The Rapid Thermo Screener (RTS) by Calumino, is an easy to use, instantly deployable detection system designed to keep us safe.

Using the latest innovation in passive IR technology, the Calumino RTS takes a person's temperature in under one second, with better than $\pm 0.5^{\circ}\text{C}$ precision.

It creates a fast, affordable and reliable screening system for hotels, airports, schools, hospitals, office buildings and other populated areas.

This is not a clinical medical device to diagnose, treat, cure, or prevent any disease or health condition.



Smart A.I. face detection & auto-saving feature



Simple "plug & play" USB interface



No training required



Australian made & fast delivery



Mass deployable



Precision accuracy within $\pm 0.5^{\circ}\text{C}$ no reference source required



Screen time < 1 second



The world's first affordable, plug&play, Rapid Thermo screener.



Specifications for the Rapid Thermo Screener By CALUMINO

V1.7 (31.03.2020) Preliminary

Detection Performance

Infrared detector type:
Calumino Thermal Sensor (8-13 μ m)

Calibrated temperature range:
30°C – 42 °C

Temperature accuracy: < ± 0.5 °C
(within calibrated range)

Temperature sensitivity: < 90 mK

Temperature correction: fully calibrated & radiometric, no reference source required

Screen time: < 1 second

Warmup time: Up to 30 minutes

Optical & Output Parameters

Infrared image resolution: 36 x16 pixels,
upsampled by default to 144x64 pixels

Infrared field of view: 35° (H) x 22° (V)

Infrared image frame rate: 8 FPS

Visual camera resolution: 1280 x 720 (HD)

Visual camera field of view: 61° (H) x 35° (V)

Visual camera frame rate: 30 FPS

Color palettes: isothermal (default),
spectrum, fire, blue green, black & white

Default alarm: 37.5 °C and optionally
adjustable

Saving function: combined visual and
thermal image saved to local hard drive
upon detection of febrile subject by default

Setup Requirements

Mounting position: tabletop (e.g. reception)
recommended. Optional on a large tripod.
RFS comes with 50 cm tripod

Subject screening distance: 0.5 m to 1.2 m

Throughput: Single subject per screen

Power supply & data interface: single
computer USB type A port

Operating environment: Indoor use only

Operating temperature & humidity:
18 °C to 25 °C, < 70 % RH operating humidity

Storage temperature & humidity:
0 °C to 45 °C, < 80 % RH

Internet connectivity: not required

Minimum System Requirements

Operating system: Windows 10

Architecture: 64-bit

Processor: Intel Core i5 (8th Gen) or above

RAM: 8 GB and above

Interface: USB 3.0

Software: free internet download or
pre-installed on provided computer (optional)

Recommendation: Microsoft Surface Pro 7

Mechanical

Dimensions: 150 mm x 150 mm x 87 mm
(excluding tripod)

Weight: approx. 1.5 kg

Color: Black (default) other colors optional
(white, space-grey, red)

Package Content

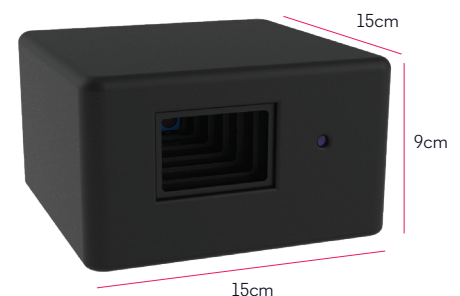
1 x RFS (including USB Cable)
1 x Tripod
1 x User manual
1 x Handheld infrared thermometer for
backup screening

Other

Warranty: 12 months

Fragile device. Do not drop. Handle with
care. No temperature shocks.

Certification & Compliance



Disclaimer:
This product is not marketed or intended to be used as a medical device to diagnose, treat, cure, or prevent any disease or health condition. This product does not determine the core body temperature of subjects. Actual core body temperature can only be determined using an approved clinical measurement device.