



**EOTECH**  
more for science

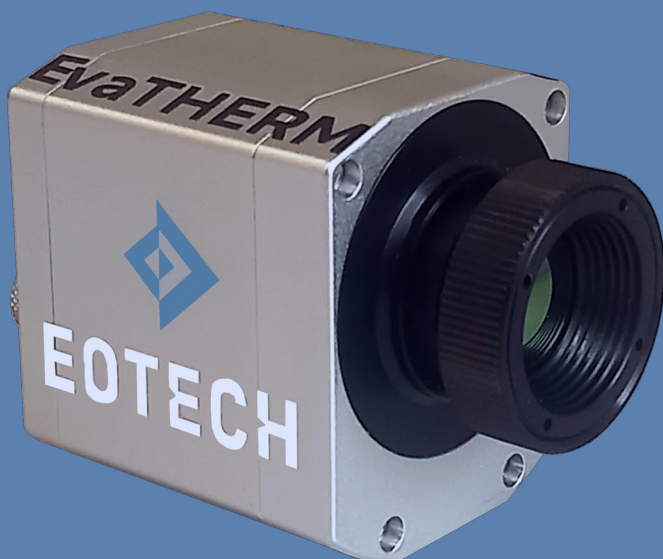


Skin, Face  
Body & Hair

# EvaTHERM

The Compact Thermal Camera  
for **in-vivo testing**

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# Method

## Technology

The EvaTHERM is an imaging system, designed to measure the thermal distribution and changes with 0.04°C resolution. The optoelectronic sensor allows detecting the infrared radiation from the skin and calculates the surface temperature.

## Positioning

The EvaTHERM can be fixed on any Eotech face positioning bench for stable and repeatable volunteer's position at each timepoint. It can also be used with a tripod or a table stand. A table tripod is supplied with the camera.

## Software

The EvaTHERM is managed by a dedicated software allowing to record thermal images and videos. Multiple measurement areas can be defined, as well as differences between zones. The temperature data according to time can be exported in a spreadsheet for further analysis.

# Applications



**Local zone:** Temperature changes, hot and cool spots



**Global Face:** Before / after temperature change and distribution Real time temperature change



**Body:** Temperature evolution and distribution on a body part

## Advantages :

- High sensitivity sensor, robust and reproducible
- Most compact of its category
- Simple to use, minimum setting and skill required
- Cost effective device

## Claims support:

### Local zone:

Erythema,  
inflammation, hot spots,  
solar protection

### Face:

Refreshing, sensitive skin

### Hair:

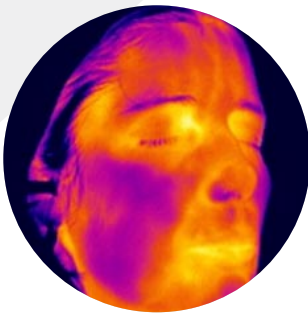
Protection, heating,  
combing

### Body:

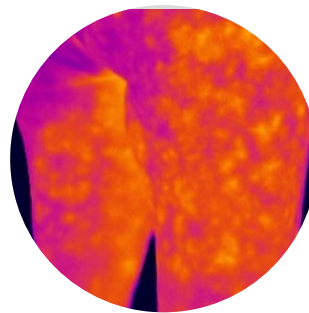
Cellulite, warming,  
draining, body wellness

# Technical Data

## Analysis results



Face



Thighs



### Local zone/Global Face/Hair/Body:

- Pseudo color coded image showing temperature distribution
- Video with pseudo color showing temperature evolution over time
- Real time difference from a reference thermal image
- Minimum / maximum, mean value of temperature
- Main measure areas, hot spots, cold spots
- Temperature difference between zones
- Horizontal / vertical temperature profiles
- Temperature-time diagram
- Thermal histogram

## Related products

### Positioning benches



VisioTOP 300/500



CBright

## Measurement specifications

Bench	VisioTOP 300	VisioTOP 500	CBright
Objective	29° x 22°	29° x 22°	29° x 22°
Working distance (mm)	350	550	320-550
Dimension XY (mm)	190 x 140	300 x 210	300 x 210
Resolution XY (mm)	0.5	0.78	0.78

## Technical specifications

Camera resolution	382 x 288 pixels
Spectral band	7,5 to 13 $\mu$ m
Acquisition frequency	27 Hz
Temperature range	-20 to 100°C
Temperature resolution	0,04°C
Precision	$\pm$ 2%
Weight	320 g
Dimensions	45 mm x 45 mm x 62 mm / IP 67
Power supply	Via USB 2.0 or 3. interface
Computer configuration	any workstation under Windows 10 or 11