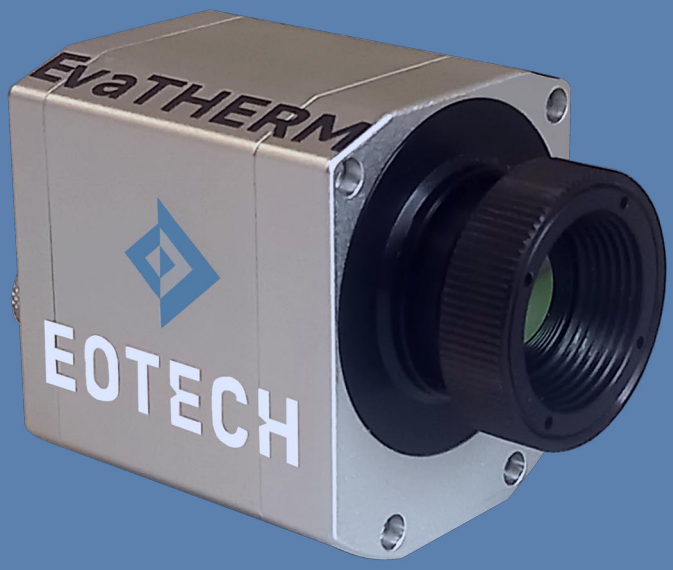
EOTECH
more for science

Skin, Face
Body & Hair

EvaTHERM

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



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.

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

Software The EvaTHERM is managed by a dedicated software allowing to record thermal images and videos. Mutliple 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

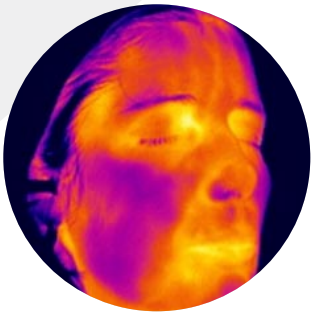
Face:
Refreshing, sensitive skin

Hair:
Protection, heating, combing

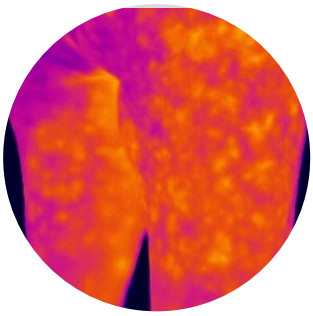
Body:
Cellulite, warming, draining, body wellness

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	VisioTOP 500	CBright
Objective	29° x 22°	29° x 22°	29° x 22°
Working distance (mm)	370	370	320-550
Dimension XY (mm)	200 x 150	289 x 216	372 x 278
Resolution XY (mm)	0.5	0.73	0.95

Technical specifications

Camera resolution	382 x 288 pixels
Spectral band	7,5 to 13 µm
Acquisition frequency	27 Hz
Temperature range	-20 to 100°C
Temperature resolution	0,04°C
Precision	± 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

Eotech SAS
1, rue du fond des prés
91460 Marcoussis - France
Tel. + 33 (0)164 497 130
Web : www.eotech.fr
Email : info@eotech.fr