



EOTECH
more for science



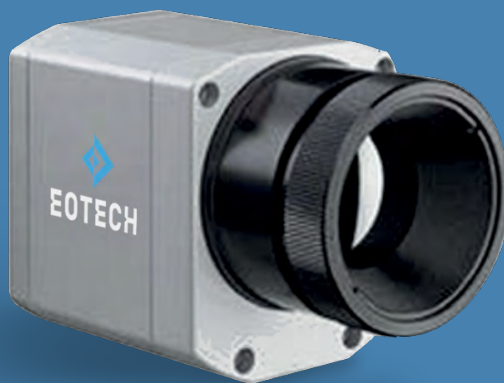
Skin, Face
Body, Hair

EvaTHERM

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



Highly sensitive imaging
of thermal changing on skin



Method

Technology: The EvaTHERM is an imaging system designed for measuring 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 panelists are installed on the visioTOP or visio-4D positioning bench for stable and repeatable positioning and re-positioning between the different measuring time points. Managing the volunteers and getting reliable and repeatable results becomes much easier.

Software: The evaTHERM software allows to record thermal images and videos. The temperature can be measured on multiple zones.

Applications



Local zone: Temperature distribution, hot spots



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



Body: Temperature evolution and distribution on a body part

Advantages/benefits:

- High sensitivity system, robust and reproducible
- Most compact of its category
- Simple to use, minimum setting and skill required
- Good value price / performances

Claims support:

Local zone:

Follow up erythema, inflammation, hot spots, solar protection

Face:

Refreshing, sensitive skin, pollution

Hair:

Protection, heating, combing

Body:

Cellulite, warming, draining, body wellness, spa

Technical Data

Configurations:

Field Of View	29° x 22°	53° x 40°
Local	✓	
Global face	✓	✓
Body		✓

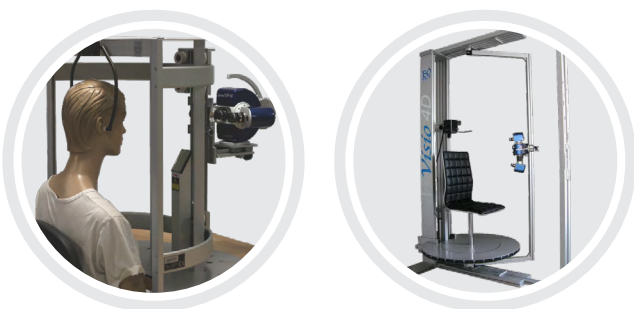


Local zone/Global Face/Hair/Body:

- 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

Linked Products:

Positioning benches



Measurement Specifications:

Field Of View	250	470	361	677	465	873
Objective	29° x 22°	53° x 40°	29° x 22°	53° x 40°	29° x 22°	53° x 40°
Bench	VisioTOP 300	VisioTOP 300	VisioTOP 500	VisioTOP 500	Visio-4D	Visio-4D
Dimension XY (mm)	200 x 150	380 x 276	289 x 216	548 x 398	372 x 278	706 x 513
Resolution XY (mm)	0.5	0.89	0.73	1.29	0.95	1.68
Working distance (mm)	370	370	540	540	700	700

Technical Specifications:

Camera resolution	382 x 288 pixels
Spectral band	7,5 to 13 μ m
Acquisition frequency	80 Hz
Temperature range	-20 to 100°
Sensor weight	320 g
Dimensions	46 mm x 56 mm x 76 mm / IP 67
Power supply	Via USB2 or 3.0 interface
Precision	\pm 2%
Computer configuration	Windows 7-64 and up or Windows tablet

Contact

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