



EOTECH
more for science

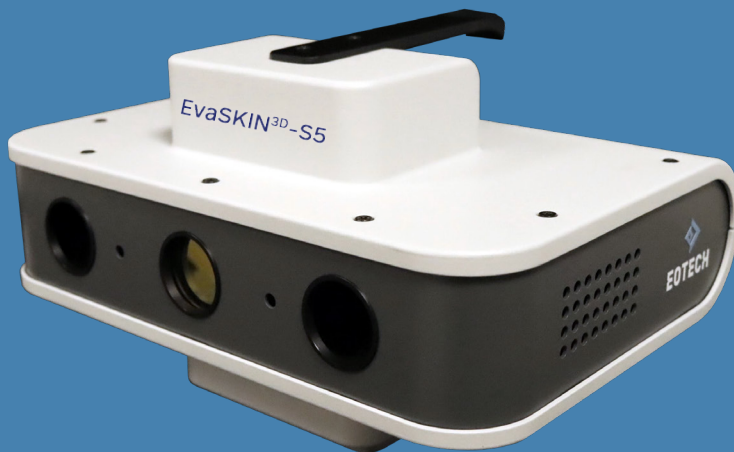


Skin

EvaSKIN^{3D}

The Standard Skin Scanners
for **in vivo testing**

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High resolution measurement system
for skin topography and face
topology changes



Method

Technology: The state of the art combining fringes projection and stereovision, also called active stereometry, provides the largest field of view with the highest resolution. It offers pixel resolution in X, Y, high accuracy in Z, less sensitive to movement. Based on high quality and stability components, different field of views are available by simply changing objectives sets to switch from small to large measurement areas (from skin structure to body part).

Positioning: The panelists are installed on the visioTOP 300 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 Aeva software guides the user through acquisition routine, runs automatic batch processing and evaluation of the 3D data providing results as CSV files, figures and pictures. It offers unique multi-zones, multi-scaling analysis functionalities.

Applications



Local zone: EvaSKIN^{3D} for skin micro structure, pores, fine lines & wrinkles evaluation, skin replica, eye bags, lips and sagging, cheek, nasal folds, glabella, dimples and nodules for cellulite



Face part: EvaSKIN^{3D} for topology changes: For local re-pulping, firming, sagging, Local volume changes (eye-bags, cheek, sagging, lips)

Advantages/benefits:

- High performance system, robust and reproducible
- Flexible system offers local to Face part analysis
- Simple to use, minimum setting and skill required
- Good value price performances

Claims support:

Local zone:

Anti-ageing, anti-Wrinkles, pores reduction, smoothing, hydration, repulping

Face part:

rejuvenation, fillers, mesotherapy, firming, reshaping, restructuring, anti-ageing

Technical Data

Configurations:

Field Of View	125
Local	V
Face part	V
Full face	X



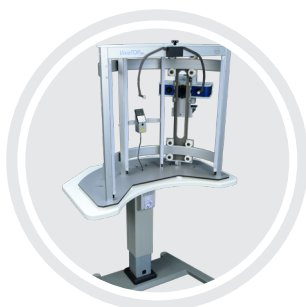
Local zone: 2D or 3D roughness statistics, height distribution on topographies
Statistics (number, volume, area, depth, circumference) on pores, fine lines, wrinkles and folds
Skin features density of pores, fine lines and wrinkles
Deviation (pseudo color display) and volume of the topographies (eye bags, lips, sagging and oval)



Face part : Multi zone extraction and analysis
Comparison on the shape changes with statistical deviation and pseudo color display
Volume of the difference, section length, distance between points and angle calculations
Skin features density (pores, fine lines wrinkles and folds) *
Section length, distance and angle measurements
* Only if spatial resolution of the FOV used is good enough

Linked Products:

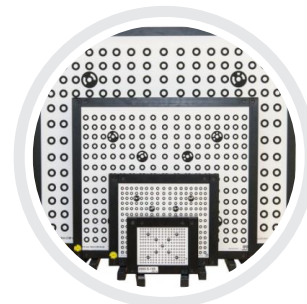
Positioning benches



Step gauge



Calibration plate



Measurement specifications:

Triangulation angle: 27 degrees
Base length: 270 mm
Operating distance: 370 mm

System	EvaSKIN
Field Of View	125
Field Of View depth (mm)	100 x 80
Measuring depth (mm)	65
X, Y resolution (µm)	40
Resolution limit (z) (µm)	5

Technical specifications:

Camera resolution	2 x 5Mpx	
Projection unit	Miniaturized projection technique	
Light source	50 W high-power LED white	
Acquisition time	1 second	
Sensor weight	4 kg	
Dimensions	W 300 x D 210 x H 175 mm	
Power supply	AC 110/230 Volt, 50-60 Hz	
Control unit	150 W, USB 3.0	
Computer configuration	Hard Drive	1 To SSD
	Processor	>I7 10900K 3.7 GHz
	Graphic card	Nvidia Quadro >4Go
	RAM	16 Go
	Operating system	Microsoft Windows 10 x64

Contact

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