EOTECH
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Skin, Face & Body

AEVA-HE²

The most versatile 3D scanning solution for **in-vivo testing**

Method

Scanner technology AEVA-HE² is the state of the art solution for non contact 3D imaging of the skin surface. It is based on active stereometry : a combination of fringes projection and stereovision. 4 different fields of view are available to match the application needs from skin microrelief to body parts. A color camera combined with homogenous LED light brings color texture to the 3D models.

Positionning bench The panelists are installed into the VisioHOP or the VisioTOP 500 bench for efficient re-positioning between the measurement time points. The bench is the corner stone for getting reliable and repeatable measurements.

Dedicated software The AEVA software is designed for clinical studies. It guides the user through the step by step acquisition procedure. The set of recorded 3D data of all volunteers at all time points is analysed automatically according to preset claims and zones of interest. It offers unique functionalities such as multizones, multiscaling, wrinkles visibility etc. Results are given through illustations and calculated parameters.

Applications

Local zone: Skin micro structure, pores, fine lines & wrinkles evaluation*, eye bags, lips, sagging, cheek, nasal folds, glabella, dimples and nodules for cellulite, skin replica

* When used with appropriate FOV

Global face: Topology changes re-pulping, firming, fine lines & wrinkles visibility*, oval and sagging

* When used with appropriate FOV

Body part: Morphology changes thigh, legs, abdomen, waist, breast, neck, arms, dimples and nodules for cellulite

Advantages:

- All in one system with multiple fields of view capability
- High performance, flexible, robust and reproducible
- Local to global analyses (face & body)
- Simple to use, minimum setting and skill required

Claims support:

Local zone:
anti-aging, anti-wrinkles, repulping, smoothing, pores reduction, hydration

Global face:
rejuvenation, fillers, mesotherapy, firming, reshaping, restructuring, anti-aging

Body part:
firming, slimming
anti-cellulite

Technical Data

Configurations

Fields Of View	S	M	L	XL
Local	V	V	V	
Global Face		V	V	V
Body Parts				V

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

Global face: 3D shape changes with statistical deviation and pseudo color display
Volume of the difference, section length, distance between points and angle circulations
Skin features density (pores, fine lines wrinkles and folds)*

* Only if spatial resolution of the FOV used is good enough

Body part: (only with VisioHOP bench): 3D shape changes with statistical deviation and pseudo color display
Volume of the difference, section length, distance and angle between points
Volume and circumference of the body part
Surface statistics for cellulite dimples and nodules

Related products

Positioning benches

VisioHOP

VisioTOP 500

DynaSKIN 2

Skin firmness measurement system

Measurement specifications

Field Of View	S	M	L	XL
Dimensions (mm)	80 x 65	135 x 110	185 x 150	370 x 325
Measuring depth (mm)	50	80	120	300
X, Y resolution (µm)	33	55	75	151
Z resolution (µm)	2	3	4	11
Object standard deviation (µm)	8	14	17	56

Technical specifications

Acquisition time	1 second
Camera resolution	2x5Mpx
Projection unit	Miniaturized projection technique
Light source	50 W high-power LED white, Cyan filter
Sensor weight	4.5 kg
Dimensions (mm)	W 415 x D 235 x H 226 mm
Power supply	AC 110/230 Volt, 50-60 Hz
Control unit	150 W, USB 3.0
Computer configuration	High performance according to latest standards
Operating system	Microsoft Windows 11

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