

VivaScope Systems

1500 / 3000 / Combo

Technical Data



VivaScope 1500 / 3000 / Combo

The VivaScope 1500 and VivaScope 3000 are reflectance confocal microscopes for the examination of the skin. Both devices generate images that reveal the cellular morphology of the epidermis and the superficial dermis. A near-infrared laser (830 nm) penetrates the superficial layers and is reflected by components of the skin. The strongest reflection is observed with melanin and keratin due to their high refractive indices. The reflected light is captured by the microscope and translated into grayscale images of the different layers of the skin.

Based on these images, the morphology of the skin can be clearly identified and evaluated. As the imaging procedure is non-invasive, the skin remains completely unharmed and thus an “instant optical evaluation” is performed. The images are generated in real-time and can be analyzed directly, avoiding unnecessary waiting time, or read remotely enabling a Telemedicine application.







Find out more:

visit the VS Combo
product site



Configurations:  VS 1500    VS 3000    VS Combo  

Technical Data	 VivaScope 1500	 VivaScope 3000
Optical resolution	0.4 μm in center of image field (horizontal) < 5.0 μm in center of image field (vertical)	0.4 μm in center of image field (horizontal) < 5.0 μm in center of image field (vertical)
Viewable section & mapped field	8 x 8 mm (single FOV 0.5 x 0.5 mm)	unlimited (FOV 0.75 x 0.75 mm)
Imaging wavelength	830 nm	830 nm
Magnification	550x	350x
Objective	38 x magnification, 0.9 NA water immersion	38 x magnification, 0.9 NA water immersion

Technical Data	 All configurations
Dermatoscopic camera	 VivaCam included in all systems, 10mm field of view provided with a 5mp digital camera
Monitor	Medical grade, 23", 1920 x 1080 pixels
Electrical requirements	110–230 VAC, 50–60 Hz

CPT codes are now accepted for both the acquisition and interpretation of images taken with the VivaScope 1500.

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