EX VIVO IMAGING

VIVASCOPE

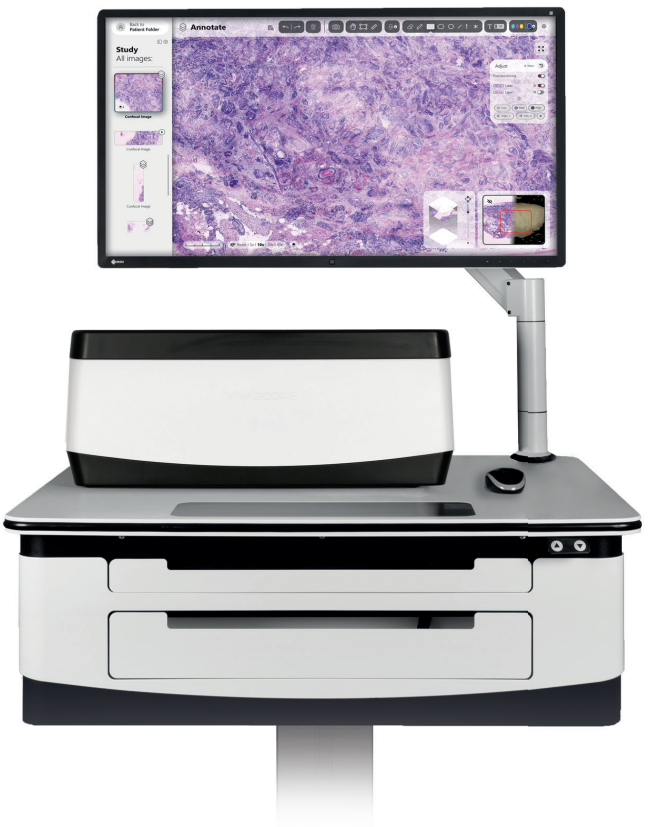
VivaScope 2500

Technical Data



VS 2500 Gen 5

www.vivascope.com



VivaScope 2500

The VivaScope 2500 uses two lasers with wavelengths of 488 nm (blue) and 638 nm (red). A fluorescent dye that is applied to the tissue prior to the VivaScope imaging process is excited by the blue laser, thus highlighting cell structures (e.g. nuclei). Additionally, the red laser is used to generate a reflectance signal, showing structural information of the sample. Both reflectance and fluorescence signals are acquired simultaneously and correlated in real-time.

Find out more:

visit the **VS 2500** product site

Technical Data	VivaScope 2500 - Gen 5
Optical resolution	0.4 µm (horizontal) at centre of field of view, < 5.0 µm (vertical) at center of field of view
Max. mapped field	24 x 32 mm
Single field of view (Viewable section)	Adjustable, 250 x 250 µm to 500 x 500 µm
Imaging wavelength	488 nm & 638 nm
Objective	38 x magnification, 0.85 NA flatfield water immersion
Magnification	Seamless zoom >1.000x (combarable to 100x objective)
Max. image resolution	3000 MP (possible up to 12000 MP with high-res mode)
Macro camera	5 MP
Monitor	8MP, 31"Color Clinical Review Display Monitor
Operating temperature	13°C to 30°C (55°F to 85°F)
Electrical requirements	110–230 VAC, 50–60 Hz
Optical Sectioning	Multiple optical sections up to max. depth 100 to 150 µm (tissue-dependend)
Imaging Speed / Qualities	4 different modes emphasising on different speed or qualitites
Size	width 84 cm, depth 70 cm, height 153 - 169cm (whole system including table)
Weight	17kg (scanhead), 135kg (whole system including table)
Network compatibility	Compatible with DICOM system (DICOM conformant images), Communication via HL7 possible + PACS

Technical specifications are subject to change without notice. Revision Level: 09/2026

VivaScope GmbH
Stahlgruberring 5
81829 Munich · Germany

Phone: +49 89 401 921 600
Email: info@vivascope.com
www.vivascope.com