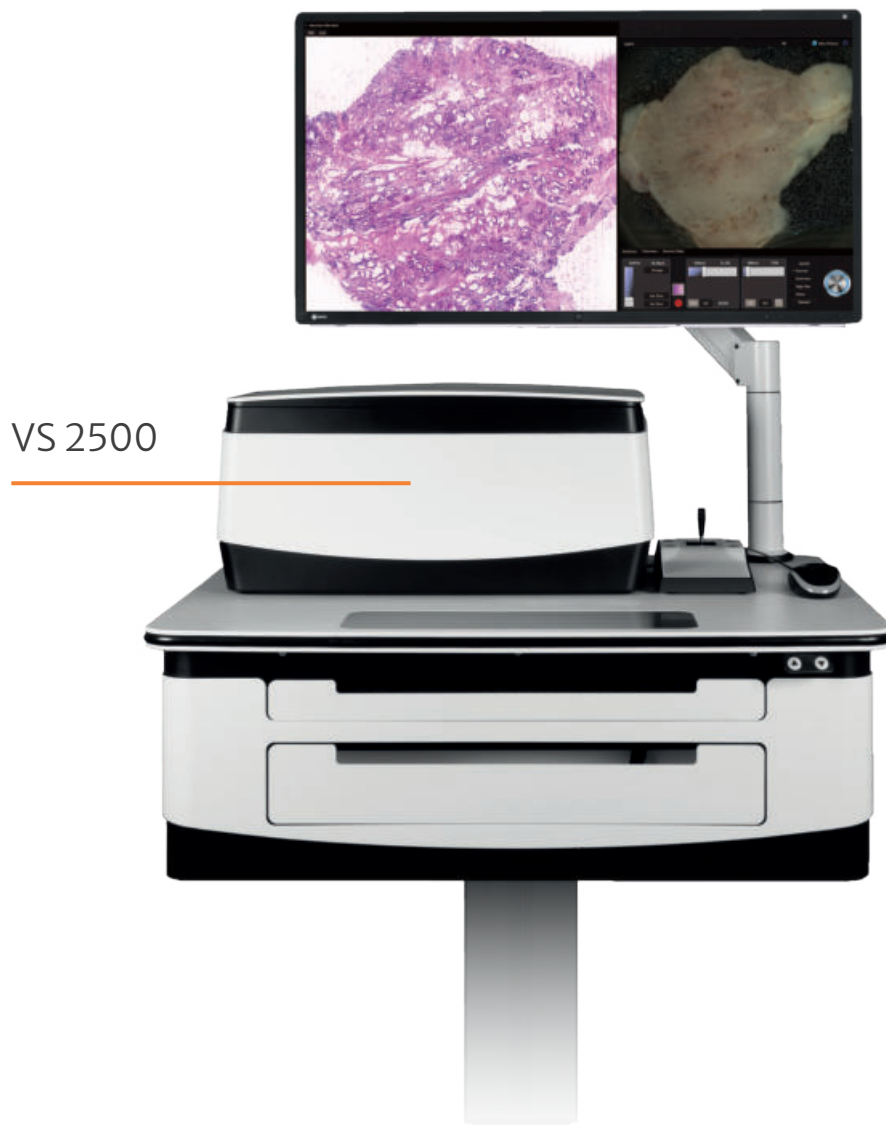


# VivaScope 2500

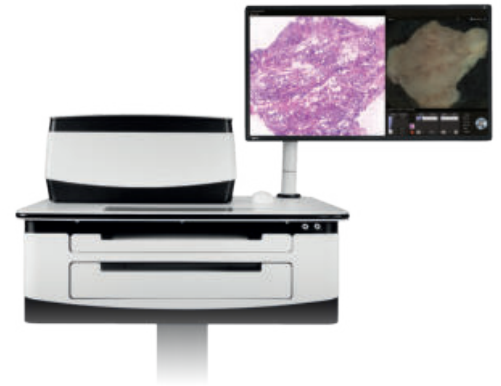
Technical Data



# 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.

A built-in algorithm translates the signals into H&E-like pseudo-colored images. The resulting images contain similar information to conventional histology and can be examined at any desired magnification, ranging from displaying the whole sample up to a 550-fold magnification.



## Technical Data



## VivaScope 2500M-G4

Optical resolution	< 1.25 $\mu\text{m}$ at centre of field of view (horizontal), < 5.0 $\mu\text{m}$ at center of field of view (vertical)
Max. mapped field	24 x 32 mm
Single field of view (Viewable section)	500 x 500 $\mu\text{m}$
Imaging wavelength	488 nm & 638 nm
Objective	38 x magnification, 0.85 NA water immersion
Magnification	Seamless zoom up to 550x magnification
Max. image resolution	64 000 x 48 000 pixels (~3000 MP)
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

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