



Proveo 8 with built-in EnFocus OCT

## TECHNICAL INFORMATION

Ophthalmic Microscope Proveo 8 Floor Stand with built-in EnFocus intraoperative OCT

### Key Features

En Face View	Up to 500 B-scans in scan preset, and customized up to 1000 B-scans
Auto optimization function:	Auto locate, auto brighten, and compensate dispersion automatically to find anatomical surface to get best image
Z-tracking	Image location lock in z-axis with +/- 15mm range
Working distance guide	Assist the users to bring the microscope in focus
Parfocality guide	Assist the users to adjust diopters properly
Image quality under air/fluid	Compatible under air, perfluorocarbon liquid, and silicone oil
Ocular injection	OCT image overlay with microscope view in eyepiece for Proveo 8 (with optional DI C800)
User interface	Multi-touch gesture control on 27" touch screen monitor, wireless keyboard, microscope footswitch, and handles
Foot pedal control	Integrated OCT footswitch control for Proveo 8
Secondary monitor	Support additional monitor display 1x DVI (replicate primary monitor) 1x HDMI (replicate any OCT screen: Quad, 50/50, camera only) 1x HD-SDI, 1x Composite (replicate camera only)
Scan-Management options	Cross-hair, rectangular, circular, and linear Fully customizable scan presets based on procedure type (Cornea, Retina BIOM, Retina Flat Lens) Max scan density: 1000 A-scan x 1000 B-scan

## Microscope compatibility

EnFocus Intrасurgical OCT	OCT ready Proveo 8 microscopes
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Product	EnFocus Ultra-HD OCT
Applications	High-Res Imaging Posterior, Anterior

## Key Optical Performance

Axial resolution in tissue	2.4 - 4.0 $\mu\text{m}$
Lateral resolution	15-31 $\mu\text{m}$ for 175 mm objective and 16-34 $\mu\text{m}$ for 200 mm objective
Imaging depth in tissue	2.5 mm
Lateral field of view (scan range)	$\leq$ 20 mm across entire range of microscope magnification
Image display resolution	1920 x 1080 pixels
Image acquisition speed	> 36000 scans/s, 30Hz B-scan display refresh rate
OCT optical power	< 750 $\mu\text{W}$
Imaging center wavelength	860 nm
175 mm objective lens working distance	178 mm
200 mm objective lens working distance	203 mm
Fundus viewing system	Compatible with BIOM 5, BIOM Ready and flat contact lens

## Physical Features

Workstation Operating System	64-bit, Windows 10
Removable scan head	Yes
OCT scanner dimensions	Scan head: 6 cm (h) x 10 cm (od) Relay arm: 28 cm (h) x 4 cm (od) Scan assembly: 21 cm (h) x 17.5 cm (w) x 39 cm (l)
Scan head weight	2.6 kg (5.7 lbs)



Proveo 8 is a class I surgical microscope



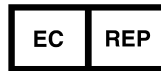
EnFocus intraoperative OCT is a class IIa medical device



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