

From Eye to Insight



Proveo 8x

MULTIPLY YOUR POSSIBILITIES

Experience exceptional 3D 4K visualization with real-time data integration in a single cockpit-view. The Proveo 8x 3D digital microscope reveals enhanced visual information, guides real-time surgical decisions and offers multiple viewing possibilities for a smooth and comfortable surgical experience.



REAL-TIME 3D VISUALIZATION

MULTIPLIED

- > Experience exceptional 3D imaging powered by Leica camera technology.
- > Gain insight with EnFocus intraoperative OCT & ScenePro color enhancement software.



COMFORT & FOCUS

MULTIPLIED

- > Work comfortably with your preferred 3D monitor setup.
- > Access intraoperative OCT and phaco system information right in front of your eyes.



ACCESS TO THE DIGITAL FUTURE

MULTIPLIED

- > Multiply your visualization possibilities with binocular-based or 3D heads-up surgery.
- > Reimagine how you see, move and collaborate with the MyVeo headset.

MODULAR CONFIGURATION OPTIONS

Proveo 8x 2D 4K IVC (binocular-based configuration)	Optics carrier with integrated 2D 4K camera, integrated inverters, and binocular tubes for the main surgeon and the side assistant. Upgradeable to 3D.
Proveo 8x 3D 4K IVC (3D configuration)	Optics carrier with integrated 3D 4K camera, integrated inverters, and main surgeon binoculars for heads-up surgery and hybrid use. Compatible with MyVeo. Stereo attachment for second observer.

MONITORS FOR 3D-SURGERY AND OBSERVATION

32" 3D 4K cart-mounted monitor	Heads-up display for superior and temporal working positions - Flexarm allows for convenient positioning even over the OR bed - Viewing distance: 690-1380 mm - Models: Eizo LCD or Sony LCD
55" 3D 4K cart-mounted monitor	Heads-up display for superior and temporal working positions - Viewing distance: 1000-2000 mm - Models: FSN OLED or Sony LCD

MICROSCOPE FLOOR STAND

Power connection	- 1300 VA - 100–240 V~ 50/60 Hz
Protection class	Class 1
Material	- Use of RoHS conform materials - The Proveo 8x microscope is coated with a white paint which provides an antibacterial effect on surfaces
Base	770 × 770 mm with four 360° rotating castors with a diameter of 150 mm each, one parking brake
Weight	Approx. 380 kg without load
Load of optics carrier	Max. 8.0 kg from microscope dovetail ring interface
Max. height	1950 mm in parking position
Integrated imaging & documentation system	Built-in 2D/3D Leica recording system: - Record in 2D or 3D quality utilizing a high-compression 4 TB storage space - Quickly store images and export via USB - Optimized data processing and connectivity for PACS and DICOM
Cybersecurity	Built-in security to protect patient data
RemoteCare	Designed with industry-leading security standards, RemoteCare detects system

	anomalies and alerts our Service team to proactively solve problems before they become critical.
Compatibility	- EnFocus OCT-system by Leica - EVA NEXUS phaco system of D.O.R.C.(Zeiss) - Cassini Guidance System for toric IOL placement by Cassini Technologies

OPTICS AND ILLUMINATION

OptiChrome optics	For high contrast, high resolution, natural colors without chromatic aberrations
Magnification	6:1 zoom, motorized magnification factor
Total magnification	4.1× to 24.5× with 10× eyepiece 5.1× to 30.7× with 12.5× eyepiece
Fine focus	Available for assistant and 2D 4K camera
Focus range	75 mm
Objective / working distance	OptiChrome WD 175 mm/f = 200 mm WD 200 mm/f = 225 mm f: Focal length
Eyepieces	Wide-field eyepieces for persons wearing glasses 8.3×, 10× and 12.5× dioptic adjustment, ±5 diopter settings, adjustable eyecup
Illumination	Main light: - Integrated LED illumination system for intensive, uniform illumination of the field of view CoAx 4 coaxial illumination: - Integrated LED illumination unit for generating a clear and stable Red Reflex, decreasing stray light through the sclera and increasing the image contrast - Continuously adjustable brightness with halogen-like color temperature
Adjustable Iris	Diameter of CoAx 4 coaxial illumination can be adjusted from 4 to 23 mm
Keratoscope	Adapter available
Integrated laser filter for camera	For laser filters from 532 nm to 810 nm (default in Proveo 8x 3D, optional Proveo 8x 2D)
Fixation light	Allows patient to focus on a target in order to keep the eye stable during cataract surgery
Fundus Viewing System	Compatible with BIOM® 5, BIOM® Ready, RUV800, and flat contact lens

Any description of EnFocus mentioned in this document refers to the registered medical device EnFocus 2300 Integrated OCT System.



Class I MyVeo surgical headset



Proveo 8x and EnFocus 2300 Integrated OCT System are class IIa medical devices



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