

From Eye to Insight



ARveo 8x REDEFINING DIGITAL VISUALIZATION

For Neurosurgery · Spine Surgery · Plastic and Reconstructive Surgery

Experience the next level of digital visualization with ARveo 8x 3D Digital Microscope and the MyVeO headset. This combination delivers surgical focus, ergonomic comfort, and enhanced collaboration for you and your team in the OR.



REDEFINE DIGITAL 3D VISUALIZATION

- > Free yourself from the microscope by performing exoscopic surgery with MyVeO.
- > Enhance surgical precision with advanced fluorescence imaging solutions.



EXPERIENCE OUR BEST OPTICAL VISUALIZATION

- > Get an optimal view with our best surgical optics.
- > Ensure patient safety with advanced illumination for tissue protection.



MAXIMIZE SURGICAL COMFORT & TEACHING

- > Level up your comfort with 3D viewing, ergonomic design, and smooth maneuverability.
- > Get one 3D view for all: work and teach comfortably.

Technical Specifications

OPTICS AND ILLUMINATION

FusionOptics	For increased depth of field and high resolution for the main surgeon
Objective lens	Apochromatic
Magnification	6:1 zoom, motorized optional magnification multiplier
Objective / working distance	225–600 mm, motorized multifocal lens, continuously adjustable with manual adjustment option
Eyepieces	Wide-field eyepieces for persons wearing glasses
Observation	Full stereo view for main surgeon and opposite assistant, semi stereo view for two side assistants
Integrated 360° rotatable adapter	For main surgeon and opposite assistant binoculars
SpeedSpot	Laser focusing aid for fast and exact positioning of the microscope
Illumination	<ul style="list-style-type: none"> - Two 400-watt Xenon arc-lamp systems with independent power supply - Light transmission via fiber optics cable - Continuously variable illumination field diameter - Continuously adjustable brightness at constant color temperature - Automatic activation of second illumination
Autolris	Built-in automatic, zoom-synchronized illumination field diameter, with manual override and reset feature
BrightCare Plus	Safety function through working distance-dependent limitation of the brightness, controlled by built-in luxmeter

MANEUVERABILITY AND CONTROL

Stand	Premium overhead stand with long reach, designed for stability and durability
Robotic function	<ul style="list-style-type: none"> - Motorized XY movement - Externally controllable (optional)
Control	- Programmable handles
Balancing	<ul style="list-style-type: none"> - Automatic balancing of stand and optics - Automatic intraoperative balancing - Manual fine balancing
Microscope carrier	"Advanced Movement" system for balancing six axes and vibration damping technology
Carrier for monitor	Flexible arm with four axis for rotation and inclination

MODULAR OPTIONS

GLOW800 Augmented Reality fluorescence	<ul style="list-style-type: none"> - Fluorescence excitation 790 nm - Fluorescence signal 835 nm - Two 1/1.2" high sensitivity HD cameras for white light imaging - Two 1/1.2" high sensitivity HD cameras for fluorescence imaging (NIR) - 2D and 3D visualization
FL400 fluorescence	FL400 blue light fluorescence module
FL560 fluorescence	FL560 fluorescence module
2D/3D video options	<ul style="list-style-type: none"> - 4K 2D 27-inch monitor - 4K 3D 32-inch monitor on microscope - 4K 3D optional 55-inch monitor cart system - Integrated auto focus - 3 digital zoom levels - Integrated 4K upscaling software via HDSLI-connector
OpenArchitecture*	- Easy integration of IGS systems and video system feeds, e.g., from an endoscope
Leica Recording System	<ul style="list-style-type: none"> - Fully integrated 2D/ 3D recording - Optimized data processing & connectivity for DICOM/PACS
Integrated Air Removal System	<ul style="list-style-type: none"> - One-button drape air removal system - Compatible with surgical microscope drapes of leading manufacturers
Additional controls	<ul style="list-style-type: none"> - Mouthswitch to activate multi-directional movement - 12-function wireless footswitch
Cyber Security	- Built-in security to protect patient data

TECHNICAL DATA

Power connection ARveo 8x Protection class	<ul style="list-style-type: none"> - 1300 VA 50/60 Hz - 100 V - 240 V / 50 - 60 Hz - Class 1
Materials	- Entire solid metal construction coated with a paint which is designed to provide an antimicrobial effect on surfaces
Load	<ul style="list-style-type: none"> - Swing arm: min. 6.7 kg, max. 12.2 kg from microscope dovetail ring interface - Monitor arm: max. 16kg
Total weight	Approx. 335 kg (without load)

CONNECT WITH US!



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