

The compact workstation for your retina and cataract workflows

ZEISS VISULAS combi



Ideal for a wide variety of applications, the VISULAS® combi from ZEISS is the first fully integrated therapeutic laser workstation offering photodisruption and photocoagulation technology without compromise. The laser slit lamp is the joint applicator for various applications. No need for time-consuming changes or relocation of the patient.

- Workflow integration and innovative features**

to speed up your procedures
- All VISULAS features and benefits without compromise**

The ZEISS VISULAS combi offers the possibility to have the features and benefits of VISULAS green and VISULAS yag in one space-saving workstation.
- InsightView display and TouchControl center switch**

The integrated InsightView® display shows all relevant treatment parameters in the eyepiece of the ZEISS laser slit lamp. Parameter values can be adjusted directly at the slit lamp without taking your eyes off the ocular.
- ZEISS laser slit lamp with premium optics**

The laser slit lamp offers a convenient treatment experience with LED illumination, ClearView® safety filter, and integrated InsightView® display.
- Digital treatment reports and documentation in ZEISS FORUM¹**

Access diagnostic reports and images via FORUM from ZEISS to prepare for treatment or for consultations with your patients, their relatives or with peers.



¹ Connectivity to ZEISS FORUM requires an optional license and VISUCONNECT 600.

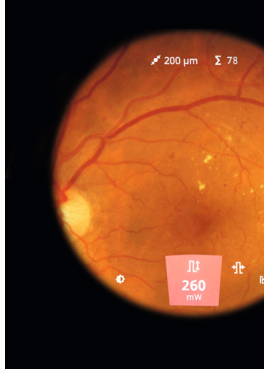


The integration of ZEISS VISULAS combi workstation into the ZEISS Workflows provides high level of flexibility and efficiency.¹

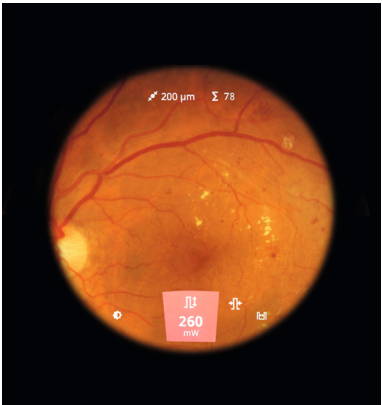
Technical specifications

ZEISS VISULAS combi

	VISULAS combi – Photocoagulation	VISULAS combi – Photodisruption
Laser source	Frequency doubled Nd:YVO ₄ , diode-pumped, cw	Nd:YAG laser: flash lamp-pumped, Q-switched
Laser wavelength of therapy beam	532 nm	1064 nm
Pulse duration	■ Single pulse: 10 ms to 2,500 ms, cw (max. 180 s) ■ Multi spot: 10/20/30/40/50 ms	< 4 ns (typically 2 ns to 3 ns)
Pulse interval	From 10 to 6,000 ms (adjustable)	-
Pulse mode	-	■ Single pulse: 9.0 mJ to 13.0 mJ at max. 2.5 Hz ■ Double pulse: 18.0 mJ to 28.0 mJ at max 1.0 Hz ■ Triple pulse: 29.0 mJ to 45.0 mJ at max 1.0 Hz
Laser beam guidance	Interlaced with slit illumination system	-
Energy attenuation	-	22 levels
Data output	PDF to USB drive. Optional: PDF report to ZEISS FORUM ¹ (with ZEISS VISUCONNECT 600)	
Laser class	Class 4 (in accordance with IEC 60825-1)	
Dimensions	201 mm (H) × 230 mm (W) × 290 mm (D)	
Weight	≤ 8 kg	
Laser Slit Lamp		
LED illumination	5.6 V, 2 W brightness continuously adjustable	
Slit width	0 to 14 mm (continuously)	
Slit height	1/3/5/9/14 mm	
Slit image rotation	0°/±45°/90°	
Aiming beam	■ Photocoagulation: Diode, 620 nm to 650 nm, max. 1 mW at the cornea ■ Photodisruption: Diode, 660 nm to 680 nm, 2-point/4-point (switchable)	
Physician safety filter	ClearView® - true-to-color, fixed	
Magnification	5×/8×/12×/20×/32×	
Micromanipulator	Servo-electric	
Integrated display	InsightView® integrated	
Pupil distance setting range	55 mm to 78 mm	
Adjustment range for the observer's refractive error	-5 D to +5 D	
Device class	2 in accordance with ISO 15004-2	
Electrical power supply	Supplied by laser console	
Weight	≤ 16.0 kg	
Control Panel		
Weight	≤ 2 kg	
Optional		
■ Panel PC (SL Workstation) ■ ZEISS SL Imaging Solution ■ Standard foot switch ■ TouchControl® foot switch ■ Instrument table IT 1060.i/IT 760.i ■ ZEISS FORUM license		
Applicators		
■ LSL combi laser slit lamp ■ LIO VISULAS green laser indirect ophthalmoscope		



InsightView® display shows values, adjustable without t off the ocular

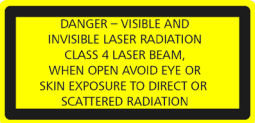


InsightView® display shows parameter values, adjustable without taking eyes off the ocular



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