

# The compact workstation for your retina, cataract and glaucoma 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 SLT, 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.



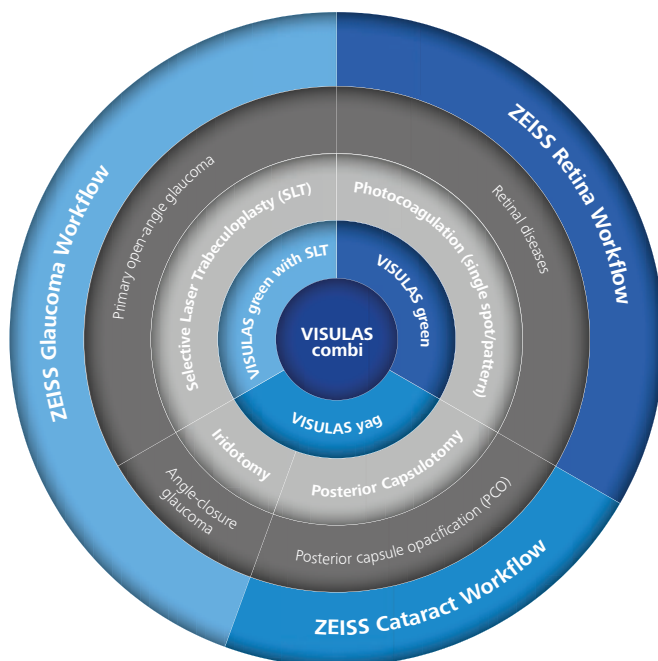
### Customizable application modules

Mix and match three different modules based on the treatments you offer to your patients. The possibility to activate modules via software license makes the VISULAS combi a future-proof investment that can enhance your treatment options at anytime.



### All VISULAS features and benefits without compromise

The ZEISS VISULAS combi offers the possibility to have the features and benefits of VISULAS green, VISULAS green with SLT and VISULAS yag in one space-saving workstation.



*The integration of ZEISS VISULAS combi workstation into the ZEISS Workflows provides high level of flexibility and efficiency.<sup>1</sup>*



For full list of technical specifications, application videos, reviews and more, visit [www.zeiss.com/visulascombi](http://www.zeiss.com/visulascombi)

<sup>1</sup> Connectivity to ZEISS FORUM requires an optional license and VISUCONNECT 600.

# Technical specifications

## ZEISS VISULAS combi

	<b>VISULAS combi – Photocoagulation</b>	<b>VISULAS combi – SLT</b>	<b>VISULAS combi – Photodisruption</b>
Laser source	Frequency doubled Nd:YVO <sub>4</sub> , diode-pumped, cw	Frequency doubled Nd:YVO <sub>4</sub> , diode-pumped, cw	Nd:YAG laser: flash lamp-pumped, Q-switched
Laser wavelength of therapy beam	532 nm	532 nm	1064 nm
Pulse duration	<ul style="list-style-type: none"> <li>■ Single pulse: 10 ms to 2,500 ms, cw (max. 180 s)</li> <li>■ Multi spot: 10/20/30/40/50 ms</li> </ul>	100 – 300 ns (FWHM)	< 4 ns (typically 2 ns to 3 ns)
Pulse interval	From 10 to 6,000 ms (adjustable)	-	-
Pulse mode	-	-	<ul style="list-style-type: none"> <li>■ Single pulse: 9.0 mJ to 13.0 mJ at max. 2.5 Hz</li> <li>■ Double pulse: 18.0 mJ to 28.0 mJ at max 1.0 Hz</li> <li>■ Triple pulse: 29.0 mJ to 45.0 mJ at max 1.0 Hz</li> </ul>
Laser beam guidance	Interlaced with slit illumination system	Interlaced with slit illumination system	-
Energy attenuation	-	-	22 levels
Data output	PDF to USB drive. Optional: PDF report to ZEISS FORUM <sup>1</sup> (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

### LSL green combi

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	<ul style="list-style-type: none"> <li>■ Photocoagulation: Diode, 620 nm to 650 nm, max. 1 mW at the cornea</li> <li>■ SLT: Diode, 620 nm to 650 nm, max. 1 mW at the cornea, rotating/fixed aiming beam (switchable)</li> <li>■ Photodisruption: Diode, 660 nm to 680 nm, 2-point/4-point (switchable)</li> </ul>
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
- Endoprobes

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