



DIGITAL DUET



DIGITAL TRIO

Laser Therapy Reimagined



Explore Infinite Potential.

Introducing the first and only all-in-one digital dual-path ophthalmic laser platform that can capture live images/videos while connecting seamlessly with your documentation and EMR systems. The Digital Duet/Trio opens the door to a new era in laser therapy – one where live viewing and the seamless integrated connectivity of the digital image/video become the cornerstone of care.



Illuminating the Future Since the Beginning

With 50+ years of experience, Lumenis is known for developing the gold standards in ophthalmology practice – Lumenis Duet/Trio is the preferred choice by dozens of leading academic institutions. As the first company to bring an all-in-one digital SLT/YAG platform to your practice, Lumenis continues that long tradition of offering superior products today and pioneering the next evolution of products for tomorrow.

Reimagine Your Practice.

The Digital Duet/Trio is the most advanced digital laser therapy platform that, for the first time, enables simple upload of digital image/video data and automated laser log reporting directly to your documentation and EMR systems*. This not only saves time, but with CPT codes for imaging, practices are also given an additional revenue stream opportunity.

Digital Duet/Trio connectivity also minimizes staff and administrative time. Through unique digital capabilities, the Lumenis team of expert engineers can offer direct remote support as needed, ensuring minimal downtime for your practice and allowing you to do what you do best: diagnose and treat.

* Connectivity is through a repository folder with a compatible format between the Digital Duet device and most EMR systems.



Reimagine Patient Care.

Lumenis state-of-the-art optics have been the backbone of the most advanced laser devices in the industry. And with unmatched technological capabilities, an HD camera, a best-in-class user interface, and crisp voice recording, the Digital Duet/Trio will quickly become the centerpiece of your practice.



Superior Clinical Benefit and Safety

- SLT is the #1 choice for first-line glaucoma treatment compared to drops¹
- The super-gaussian beam profile results in lower optical breakdown, enabling the same photodisruptive effect with safer and lower total energy²
- Digital image/video capabilities allow you to document pathologies such as scars, ulcers, and dislocated implants
- And the DIGITAL TRIO includes a retinal care photocoagulator, Smart532 with SmartPulse sub-threshold technology, ensuring maximal efficacy with minimal collateral damage



Patient Comfort and Ease

- First-line use of SLT ensures fewer office visits, less exposure to others, and lower risk for your patients
- Lumenis ADA-approved devices offer greater patient comfort and the optimal wheelchair-accessible solution to serve patients with disabilities for whom SLT/YAG would not be possible outside of their wheelchairs



Effective Communications

- Digital images demonstrating the pathology and live video during treatment enable patient to feel more at ease with the process
- A premium report automatically summarizing treatment allows you to have more detailed, transparent, and comprehensible conversations with patients about their condition and therapy

¹ Gazzard G, Konstantakopoulou E, Garway-Heath D, et. al. Selective laser trabeculoplasty versus eye drops for first-line treatment of ocular hypertension and glaucoma (LiGHT): a multicentre randomised controlled trial. Lancet. 2019;393 (10180):1505-1516.

² comparing to fundamental YAG laser and other multi mode lasers

Reimagine Documentation and Education.

As the most revolutionary advancement in laser therapy since our introduction of SLT to the market, Digital Duet/Trio is a fully integrated platform with the power to capture before and after digital images and videos for future studies, lectures, communication with patients, and documented proof of procedures. Now with the fully integrated imagery device built into the Digital Duet/Trio system, you can reach wider audiences, record images/videos, and easily share live video of treatment procedures on screen with students and patients.

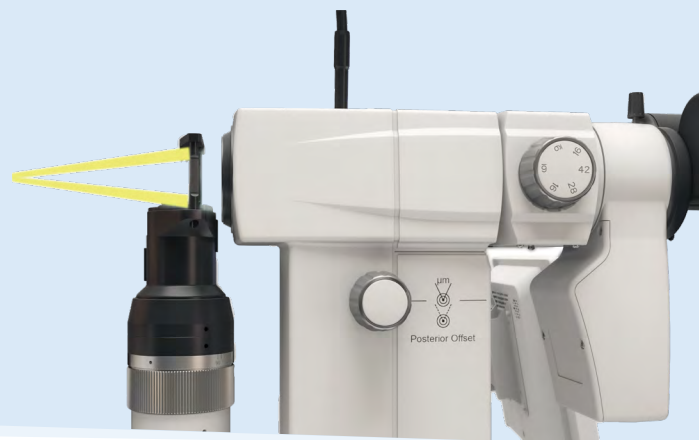
The Digital Duet/Trio also provides the perfect documentation capabilities for:

- Live viewing
- Angle images
- Illumination of vitreous opacities
- Laser peripheral iridotomy
- Posterior capsulotomy
- SLT
- Pathologies such as scars, ulcers, and dislocated implants

Featuring the Lumenis Groundbreaking

SmartV Technology

- Titratable on-axis/off-axis illumination
- Increased visualization during posterior capsulotomy and laser peripheral iridotomy (LPI)
- Illumination of vitreous opacities
- Optimized control of red-reflex




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Digital Duet/Trio Specs (SLT and YAG)

	YAG Photodisruptor Mode	SLT Mode
Laser Source	Q-Switched Nd:YAG	Q-Switched, frequency doubled Nd:YAG
Wavelength	1064 nm	532 nm
Energy (power)	0.3 - 10 mJ per pulse	0.3 - 2.0 mJ per pulse, continuously variable in 0.1 mJ increments
Pulse Duration	3 ns	3 ns
Burst Mode	1, 2, or 3 pulses per burst (selectable)	Single pulse
Spot Size	8 µm	400 µm
Cone Angle	16 degrees	< 3 degrees
Posterior Offset	0 - 350 µm (continuously variable)	Not applicable
Repetition Rate	3 Hz (in single burst)	3 Hz
Aiming Beam	Red diode, continuously variable with adjustable intensity	Red diode, continuously variable with adjustable intensity
Cooling	Air cooled	Air cooled
Electrical Requirements	100 -240 VAC, 50/60 Hz, 3.15 Amps	100 -240 VAC, 50/60 Hz, 3.15 Amps
CDRH Classification	FDA IIIb	FDA IIIb
Digital Camera	High Definition (HD) Camera	High Definition (HD) Camera
Smart Selecta Duet Table	Wheelchair accessible; Table height, 945 mm max, 695 mm min; travel ~250 mm (37.8 in max, 27.4 in min, travel ~10.4 in); Table width Small: 630 mm (24.8 in) Medium: 880 mm (34.5 in); Table depth Small: 400 mm (15.7 in) Medium: 450 mm (17.8 in); Table wheel base Small: 520 mm x 440 mm (20.4 in x 17.2 in); Medium: 460 mm x 830 mm (18.1 in x 32.7 in); Total system weight <60 kg	

Additional Trio Specs (Smart532)

Wavelength	532 nm green
Weight	4 kg (8.82 lbs)
Dimensions	26.3 cm L x 29.5 m W x 13.7 cm H (10.4 in x 11.6 in x 5.4 in)
Dual Port	FC and SMA connectors, resistor type
Power Requirements	100-240 VAC, 50/60 Hz, single phase
Cooling System	Air/TEC cooled
CW Pulse Duration	5 ms - 3,000 ms
CW Pulse Interval	10 ms - 1,500 ms or single pulse
SmartPulse™ Duration	0.05 ms - 0.5 ms
SmartPulse™ Interval	Derived from duration and duty cycle configurations and cannot be adjusted directly
Duty Cycle	5% / 10% / 15%
Aiming Beam Laser	Diode laser, 635 nm nominal; Intensity: 5 levels up to 1 mW
System Power Output	0 - 1,800 mW

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Risk and warnings: Digital Duet/Trio are intended for use by trained physicians. For all indications, use is contraindicated when media opacities interfere with clear visualization. Selective laser Trabeculoplasty is contraindicated for eyes with neovascular or angle-closure glaucoma; risks include iritis and transient IOP rise. Posterior Capsulotomy is contraindicated for eyes with extensive corneal dystrophy and chronically elevated IOP; risks include IOP rise, rupture of the hyaloid face, retinal damage, and uveitis. Iridotomy is contraindicated for eyes without pupillary block; risks include transient elevation of IOP, hyphemia, and damage to the lens/retina/choroid. Inadvertent photocoagulation with Smart532, especially close to the fovea or the optic nerve head, can cause permanent visual loss. Major retinal vessels should be avoided. For a complete list of contraindications and risks, refer to the operator manuals.

Rx ONLY



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