

Technical Specifications: OptoYag

LASER	OptoYag
Laser source	Q-switched Nd:YAG
Wavelength	1064 nm
Energy	0.5 to 10 mJ per pulse; 10 Steps Selectable
Spot Size	< 10 μ m
Cone Angle	16°
Offset	0, +150, +300 μ m
Operation Mode	Fundamental, Pulsed
Pulse Rate	Up to 1.5 Hz
Burst Mode	1, 2 and 3 Pulses
Pulse Duration	4 ns
Ionization In Air	< 4 mJ
Aiming Beam	Red dual diode; 650 nm
Cooling System	Air convection
Laser control	On joystick (trigger button) or optional footswitch
LASER SLIT LAMP	
Type	e-SlitLight
Slit Width	c
Slit Length	0 - 20 mm; continuously variable
Slit Rotation	Mechanical; 360°
Light Source	White LED
Light Intensity	Electronically Adjusted
Filters	Blue filter, Green filter (red free)
MICROSCOPE	
Type	Binocular Direct Vision Type
Eyepiece Magnification	12.5x
Total Magnification	Selectable 5 Positions; 6.3x, 10x, 16x, 25x, 40x
Microscope objective focal length	115 mm
Examiner's Eye Diopter Adjustment	-8D to +8D
Interpupillary Distance	50 mm to 73 mm
CAMERA	
Type	Optional digital
Camera trigger	On joystick
TABLE	Optional side-mounted with electrical lifting mechanism
UNIT DIMENSIONS	
Base (W x D x H)	330 x 380 x 470 mm
Height of table	620 - 870 mm
Table top dimensions	536 x 1024 mm
WEIGHT	
OptoYag	approx. 10 kg
Table	47 kg
ELECTRIC RATINGS	
External Power Supply (laser)	Input 85 - 264 V AC, 47 - 63 Hz; 110 W (supports also optional OptoSLT)

Optotek reserves the right to modify the specification in order to improve the product.

OPTOTEK
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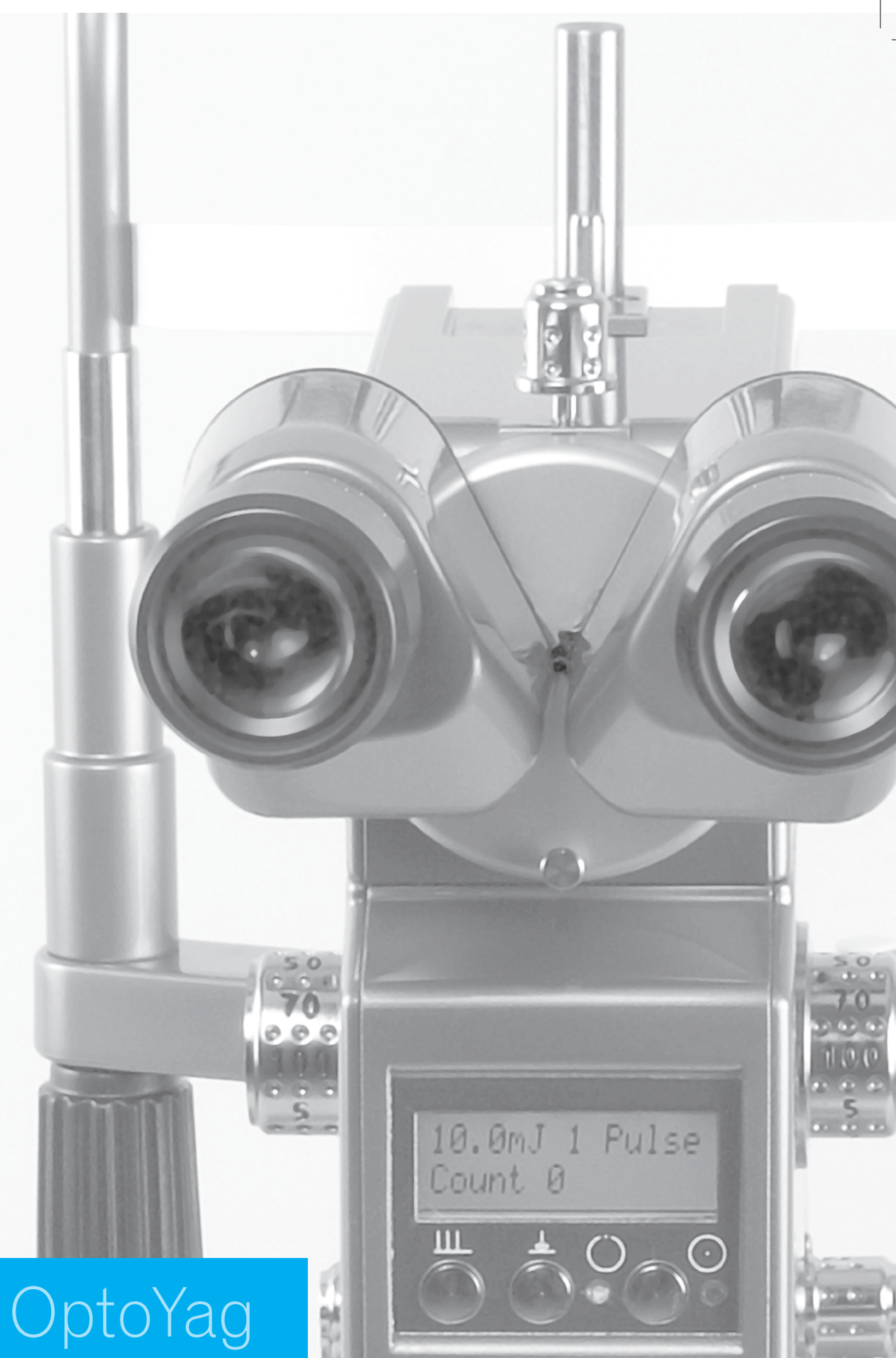
www.optotek.si

Local distributor:

Innovative solutions in Ophthalmology



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OptoYag

Advantages:

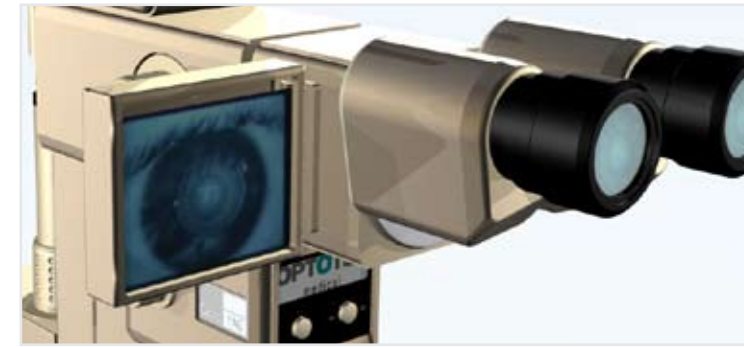
- short treatment times
- reduced risk of IOL pitting
- greater patient comfort

OptoYag is a Photodisruptor for Capsulotomy and Iridotomy treatments. It is a Q-switched Nd:YAG laser emitting short pulses at the wavelength of 1064 nm. The laser is integrated into the e-SlitLight. The OptoYag emits pulses at levels from 0.5 to 10 mJ. A dual red diode aiming beam with continuous power adjustment allows precise focusing of the YAG laser.



DIGITAL CAMERA

An optional digital camera will be available and can be attached to the OptoYag, allowing the doctor to photograph and document eye pathologies and treatment procedures. A USB connector is built-in as standard. In this configuration the OptoYag is designed to capture still images and videos. Customers can operate the camera via its colour touch screen display.



MECHANICAL PRECISION AND OPTICAL QUALITY

OptoYags are made with special care. High quality optical and mechanical components are made in-house or in close cooperation with suppliers within the EU.



ERGONOMIC DESIGN AND EASE OF USE

Alongside precise yet smooth mechanisms the OptoYag is ergonomically designed with special attention paid to ease of use. A high level of integrated solutions and sophisticated electronics provide owners with an excellent diagnostic tool and photodisruptor, which can, if necessary be upgraded with the OptoSLT laser for Selective Laser Trabeculoplasty.

OptoYag includes an optional side-mounted table with a motorised lifting mechanism which means it can also be easily used by wheel-chair patients.

