

CLARUS™ 500 from ZEISS

Technical Specifications

Imaging Specifications

Imaging Modes	True Color (with Red, Green and Blue channel split)
	Autofluorescence-Green
	Autofluorescence-Blue
	Infrared reflectance
	External eye image (ocular surface)
	Stereo
Field of View (measured from the center of the eye)	133° Widefield (one image)
	200° Ultra-widefield (two images)
	up to 267° Montage (up to six images)
Resolution	7.3 µm
Pupil Diameter	2.5 mm (minimum)
Working Distance	25 mm (patient's eye – front lens)
Compensation for ametropia	- 24 D to + 20 D continuous
Light Sources	Red LED, 585–640 nm
	Green LED, 500–585 nm
	Blue LED, 435–500 nm
	Infrared laser diode, 785 nm
Automatic Operations	Auto-focus
	Auto-gain
	Auto Montage
	Auto-laterality
Acquisition Speed	Live IR Preview, 10 frames/second
	Image Capture, ≤ 0.2 seconds

Instrument Specifications

Weight	50 lbs (22.7 kg)
Dimensions (W x D x H)	15 x 18 x 27 in (38.1 x 45.7 x 68.6 cm)
Table Specifications	Wheelchair accessible, electronic lift
	Dimensions (W x D): 37 x 27.5 in (94 x 70 cm)
	Weight: 81 lbs (37 kg)
Input Power	100–240VAC, 50/60 Hz
	IEC 60601-1 Class I

At-Instrument Computer

Monitor	22-in, full HD MVA LCD with LED backlight and capacitive, multi-touch touch screen
	1920 x 1080 resolution
	8 GB RAM
Processor	Intel® 6th Generation Core i5-6500TE
Hardrive	1 TB (minimum 100,000)
Operating System	Windows® 10
Input / Output	USB 3.0 x 3; RS–232 x 2 and 1.5 kV Isolated Gigabit Ethernet Port x 2
	HDMI and DisplayPort
Weight	17.2 lbs (7.8 kg)
Mounting	VESA 75/100 mm
Package Dimensions	21.5 x 2.5 x 13.75 in (54.6 x 6.4 x 34.9 cm)

Review Lane Computer Requirements

Operating System	64-bit Windows 7, 8.1 or 10
Processing Speed	64-bit, 1GHz (minimum)
Memory	8 GB (minimum)
Monitor Resolution	4:3 or 16:9
Network Speed	100 Mbps ethernet (recommended)
Hard Drive Space	20 GB (minimum)

Data Management

Image File Types	DICOM, JPG, TIFF, JPG2000, PNG
Report File Types	PDF and ePDF (encapsulated PDF)
File Size	Color: Lossless DICOM 12 MB
	FAF and IR: Lossless DICOM 4 MB

EN_31_022_003211 Printed in Germany. CZ-VIII/2017 International edition: Only for sales in selected countries. The contents of this datasheet may differ from the current status of the product in your country. Please contact our regional representative for more information. Subject to change in design and scope of delivery and as a result of ongoing technical development. CLARUS is either a trademark or a registered trademark of Carl Zeiss Meditec AG or other companies of the ZEISS Group in Germany and/or other countries. All other brand references are trademarks or registered trademarks of their respective companies. © Carl Zeiss Meditec, Inc., 2017. All rights reserved.



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