

# CLARUS™ 500 from ZEISS

## Technical Specifications

### Imaging Specifications

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

### Instrument Specifications

<b>Weight</b>	50 lbs (20.9 kg)
<b>Dimensions (W x D x H)</b>	15 x 18 x 27 in (36.2 x 54.6 x 67.6 cm)
<b>Table Dimensions</b>	Wheelchair accessible, electronic lift
	Dimensions (W x D): 37 x 27.5 in (91.6 x 61.5 cm)
	Weight: 81 lbs (37 kg)
<b>Input Power</b>	100–240VAC, 50/60 Hz
	IEC 60601-1 Class 1

### At-Instrument Computer

<b>Monitor</b>	22-in, full HD MVA LCD with LED backlight and capacitive, multi-touch touch screen
	1920 x 1080 resolution
	8 GB RAM
<b>Processor</b>	Intel® 6th Generation Core i5-6500TE
<b>Hardrive</b>	1 TB (minimum 100,000)
<b>Operating System</b>	Windows® 10
<b>Input / Output</b>	USB 3.0 x 3; RS-232 x 2 and 1.5 kV Isolated Gigabit Ethernet Port x 2
	HDMI and DisplayPort
<b>Weight</b>	17.2 lbs (8.5 kg)
<b>Mounting</b>	VESA 75/100 mm
<b>Dimensions</b>	21.5 x 2.5 x 13.75 in (54.6 x 6.4 x 34.9 cm)


### Review Lane Computer Requirements

<b>Operating System</b>	64-bit Windows 7, 8.1 or 10
<b>Processing Speed</b>	64-bit, 1GHz (minimum)
<b>Memory</b>	2 GB (minimum)
<b>Monitor Resolution</b>	4:3 or 16:9
<b>Network Speed</b>	100 Mbps ethernet (recommended)
<b>Hard Drive Space</b>	20 GB (minimum)

### Data Management

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

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 Carl Zeiss Meditec, Inc.  
5160 Hacienda Drive  
Dublin, CA 94568  
USA  
www.zeiss.com/us/clarus  
www.zeiss.com/med/contacts

 Carl Zeiss Meditec AG  
Goeschwitzer Strasse 51–52  
07745 Jena  
Germany  
www.zeiss.com/clarus  
www.zeiss.com/med/contacts

