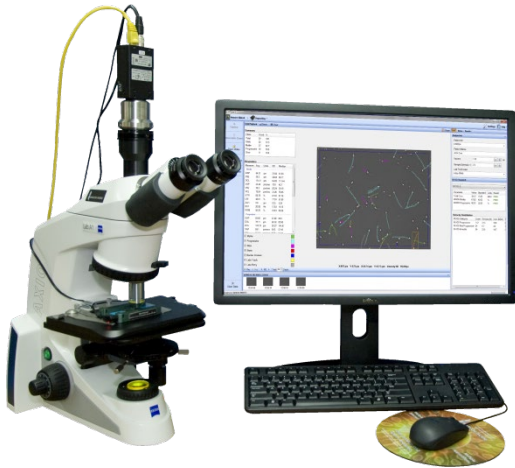


HAMILTON THORNE

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CEROS II CLINICAL - HARDWARE SPECIFICATIONS (Digital)



CEROS II Clinical shown with Zeiss Axio Lab.A1 microscope

Dimensions	Height	Width	Depth	Weight (min)
	in. (mm)	in. (mm)	in. (mm)	lb. (kg)
MiniTower:	11.5 (292)	3.7 (92.6)	11.4 (290)	11.57 (5.26))
Monitor:	20.2 (513.5)	21.9 (556)	7.1 (180.3)	10.1 (4.6)
(with stand)				
Laptop:	0.9 (23.45)	14.8 (376.9)	10.1 (255.2)	4.71 (2.14)

Electrical	MiniTower	Monitor	Laptop
Input Voltage:	110-240 VAC	110-240 VAC	110-240 VAC
Power:	250 watt (max)	72 watt (max)	90 watt (max)
Line Frequency:	50/60 Hz	50/60 Hz	50/60 Hz

Compatible Specimen Chambers

Type:	Slide, Cannula, Makler
Depth:	User defined

Optical System

Camera:	High resolution digital CCD array Resolution: 782 x 582 pixels ½ inch CCD sensor Progressive scan Exposure, Black Level and Gain controls Gigabit Ethernet C-mount adapter
Microscope:	Olympus CX41 or Zeiss Axio Lab.A1 or Axiolab 5
Objective:	Standard: 10x Optional: 4x, 10x UV, 20x, 40x, 60x, 100x
Image Type:	Dark field, Bright field Phase Contrast, negative and positive
Magnification:	Set by CASA II software administrator

Digital Image Acquisition

Frame Rate:	60 Hz
Frames:	1 – 200 (limited only by system memory)
Fields:	1 – 100
Field Selection:	Manual

Input

Standard:	Mouse, Keyboard
Optional:	Footswitch Electronic scale (ejaculate volume) Barcode reader

CEROS II Computer System

Type:	Dell MiniTower / Small Form Factor
OS:	Windows 10 Pro (64-bit)
CPU:	Intel Core i7
Memory:	8 GB
Drives:	1 TB GB HD 8x DVD+/-RW SATA
Display:	24" Flat Panel Widescreen (16:10)
Ports:	6 USB 3.0 (2 on front) 4 USB 2.0 (2 on front) 1 Serial 2 Display Port 2 PS/2 1 Line-in (stereo/microphone) 1 Line-out (headphone/speaker)
Network:	10/100/1000 Ethernet 1 RJ45 port
Mouse:	Wired
Keyboard:	Wired

OR

Type:	Dell Laptop
OS:	Windows 10 Pro (64-bit)
CPU:	Intel Core i7
Memory:	8 GB DDR3
Drives:	500 GB HD External 8x DVD +/-RW
Display:	15.6" HD Anti-glare
Ports:	3 USB 3.0, one with PowerShare 1 HDMI 1 Display Port SD Memory card reader Stereo headphone/Microphone combo jack
Network:	10/100/1000 Ethernet 1 RJ45 port (used by camera) Wireless LAN
Mouse:	Wired
Keyboard:	Integrated

Specifications subject to change without notice.