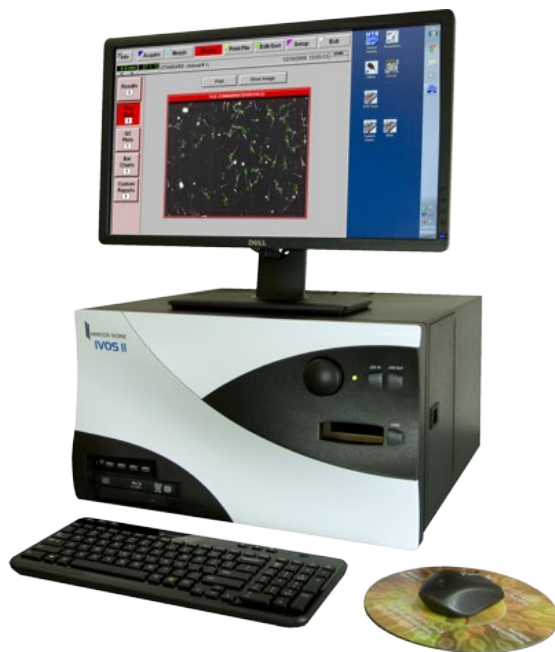


IVOS II CLINICAL - HARDWARE SPECIFICATIONS (MK4, Digital)

NOTE: For Clinical IVOS II Systems in USA running V14 Legacy Software



Dimensions	Height	Width	Depth	Weight
	in. (mm)	in. (mm)	in. (mm)	lb. (kg)
IVOS II	11.1 (282)	20.3 (515)	19.3 (490)	53 (24.1)
Monitor (with stand)	20.2 (513.5)	21.9 (556)	7.1 (180.3)	10.1 (4.6)

Electrical	IVOS	Monitor
Input Voltage:	110-240 VAC	110-240 VAC
Power:	350 watt (max)	72 watt (max)
Line Frequency:	50/60 Hz	50/60 Hz

Heated Stage

Temperature Control:	Room Temperature to 45°C, <i>Optional</i> : 10°C to 45°C
Temperature stepsize:	0.1°C
Temperature stability:	0.5°C
Stage Position:	Programmable
Stage Motor:	Built in acceleration and deceleration

Compatible Specimen Chambers

Type:	Slide, Cannula, Makler
Depth:	User defined

Internal 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
Objective:	Standard: 10x <i>Optional</i> : 4x, 10x UV, 20x, 40x, 60x, 100x
Image Type:	Dark field, Bright field
Magnification:	Phase Contrast, negative and positive Set by CASA II software administrator

LED Illumination System

Type:	Stroboscopic LED light source
Sample Exposure:	Source only on when needed for analysis and setup
Pulse:	1 - 16 millisecond (4 ms typical)
Intensity:	Computer controlled
Histogram:	Scale on screen

IDENT Illumination System (optional)

Type:	Choice of Stroboscopic Xenon or LED light source
Sample Exposure:	Source only on when needed for analysis and setup
Pulse:	10 µs
Intensity:	Computer controlled

Digital Image Acquisition

Frame Rate:	60 Hz
Frames:	1 - 200 (limited only by system memory)
Fields:	1 - 100
Field Selection:	Automatic or manual

Input

Standard:	Mouse and Keyboard (wired and wireless included)
<i>Optional</i> :	Footswitch Electronic scale (ejaculate volume) Barcode reader

IVOS II Computer System (specifications subject to change)

Operating System:	Windows 10 Pro (32-bit)
Standard CPU:	3.0 GHz Intel i7 Quad
RAM:	8 GB SDRAM
Ports:	4 Serial 2 USB 3.0 8 USB 2.0 (4 on front) 2 DVI 1 Parallel 1 DisplayPort 1 Line-in (stereo/microphone) 1 Line-out (headphone/speaker)
Network:	10/100/1000 LAN - Ethernet NIC, 2 RJ45 ports (one used by camera)
Hard Drive:	2 Terabyte 6.0 GB/sec 7200 RPM hard drive
Monitor:	24" Flat Panel Widescreen (16:10)
CD/DVD Drive:	CD/DVD ± RW DL, BD-R

Specifications subject to change without notice.