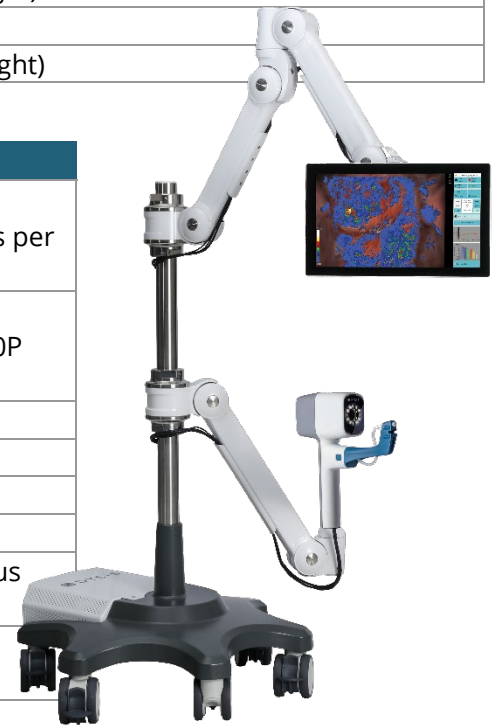


## DYSIS Ultra 3.0 Digital Colposcope Technical Specifications

Device Specifications	
<b>Frequency</b>	50/60Hz
<b>Rated Input Voltage</b>	100-240VAC
<b>Rated Output</b>	12VDC
<b>Operational Footprint</b>	125 x 70 x 165 cm (length, width, height)
<b>Idle Footprint</b>	70 x 70 x 165 cm (length, width, height)
<b>Product Weight</b>	69 Kg (plus packaging 80 Kg)
<b>Packaging Dimensions</b>	83 x 83 x 143 cm (length, width, height)

Imaging, Illumination & Extras	
<b>Sensor</b>	Integrated CMOS sensor Resolution: 2802 x 2100 pixels, >20 frames per second, ~20-line pairs per mm resolution
<b>Display</b>	15" integrated touchscreen monitor for imaging and operation; Full HD 1920x1080P pixels, max resolution @ 60Hz
<b>Magnification</b>	5.5x – 22x on the touchscreen
<b>Filters</b>	Green and Contrast
<b>Polarizers</b>	Yes - for glare removing optics
<b>Cold illumination</b>	White LEDs with adjustable brightness
<b>Integrated acetic acid spray mechanism</b>	Yes - for standardization and homogeneous application
<b>Proprietary speculum connection</b>	Yes - for stabilization and improved ergonomics



Software & Computing	
<b>Graphical user interface</b>	Intuitive touchscreen operation with standardized menus to minimize data entry; DYSIS proprietary software running on Linux OS
<b>Patient database</b>	Yes - allowing the comprehensive recording of a colposcopic examination, medical history, etc.
<b>Password protection of PHI</b>	Yes
<b>Measurement and mapping of acetowhitening</b>	Yes - Timed exam to ensure reproducibility; Imaging every 7 seconds (125-185 seconds)
<b>Still image capture</b>	Yes - including images with filters
<b>Video recording</b>	Yes
<b>Biopsy point annotation</b>	Yes - up to 5 points with video recording of biopsy sampling (optional)
<b>Memo</b>	Yes - allows for custom notes and digital drawings
<b>Report printout</b>	Yes - customizable
<b>Examination review</b>	Image and video playback, full data retrieval
<b>EMR compatibility</b>	HL7 and DICOM conformance Handles HL7 ADT^A04 and ADT^A38 messages

<b>Startup time to operation</b>	<2 min
<b>System backup</b>	Yes
<b>Digital interface</b>	USB3
<b>Hard disk capacity</b>	SSD 256 GB (for 20,000+ exams)
<b>Motherboard</b>	8th Generation core i3 CPU; on-board GPU
<b>RAM</b>	8GB
<b>Connection ports</b>	1x USB, 1x HDMI, 1x Ethernet

<b>Regulatory Approvals and Manufacturing Certification</b>	
<b>EU</b>	CE 2797 and UKCA
<b>USA (FDA)</b>	Class II, FDA clearance (510k) - K092433
<b>ISO 13485 Certification</b>	Yes