

DYSIS View Digital Colposcope Technical Specifications

Device Specifications	
Frequency	50/60Hz
Rated Input Voltage	100-240VAC
Rated Output	12VDC
Operational Footprint	45 x 32 x 85 cm (length, width, height)
Idle Footprint	32 x 32 x 85 cm (length, width, height)
Product Weight	7 Kg (plus packaging 10 Kg)
Packaging Dimensions	94 x 44 x 36 cm (length, width, height)

Imaging, Illumination & Extras	
Sensor	Integrated CMOS sensor Resolution: 2768 x 2076 pixels, >20 frames per second, ~20-line pairs per mm resolution
Display	15" touchscreen monitor for imaging and operation; Full HD 1920x1080P pixels, max resolution @ 50Hz
Magnification	5.5x – 22x on the touchscreen
Filters	Green and Contrast
Polarizers	Yes - for glare removing optics
Cold illumination	White LEDs with adjustable brightness
Integrated acetic acid spray mechanism	Yes - for standardization and homogeneous application
Proprietary speculum connection	Yes - for stabilization and improved ergonomics



Software & Computing	
Graphical user interface	Intuitive touchscreen operation with standardized menus to minimize data entry; DYSIS proprietary software running on Linux OS
Patient database	Yes - allowing the comprehensive recording of a colposcopic examination, medical history, etc.
Password protection of PHI	Yes
Measurement and mapping of acetowhitening	Yes - Timed exam to ensure reproducibility; Imaging every 7 seconds (125-185 seconds)
Still image capture	Yes - including images with filters
Video recording	Yes
Biopsy point annotation	Yes - up to 5 points with video recording of biopsy sampling (optional)
Memo	Yes - allows for custom notes and digital drawings
Report printout	Yes - customizable
Examination review	Image and video playback, full data retrieval
Report Export	Export via network shared folder or router to a USB drive
Startup time to operation	<2 min

System backup	Yes
Digital interface	USB3
Hard disk capacity	SSD 128 GB (for 2,000+ exams)
Motherboard	10 th Generation core i3 CPU; on-board GPU
RAM	8 GB
WiFi	Intel® Wi-Fi 6 AX201 (Gig+), 802.11a

Regulatory Approvals and Manufacturing Certification

EU	CE 2797 and UKCA
USA (FDA)	Class II, FDA clearance (510k) - K092433
ISO 13485 Certification	Yes