MDPC-8127

27" 8MP, ultra-high definition display, cleared for digital pathology

- **Unprecedented visual richness and color confidence**

- **Clear images and greater visible slide area, at all magnifications**

- **Effortless panning and zooming with minimal blurring**

- **Constant, stable image quality with automated color calibration**

Meet MDPC-8127, our ultra-high definition medical grade display designed exclusively for digital pathology. With regulatory clearances for use in digital pathology including primary diagnosis, it's the first display that you can confidently integrate into your digital pathology workflow with multiple whole slide imaging systems.* Work with superior imaging technology and analyze your histological samples confidently, with unprecedented visual richness.

*In the USA the MDPC-8127 can be used with WSI scanners and viewing software that have been validated for use with the display. The device may be used for primary diagnosis in the following validated FDA-cleared WSI systems and digital pathology viewing software:

- Philips Intellisite Pathology Solution with Philips Image Management System viewing software

Philips Intellisite Pathology Solution with Philips Image Management System viewing software

- Philips Intellisite Pathology Solution with Paige.AI Inc. FullFocus DX viewing software

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BARCO

- Leica Aperio AT2 DX System with ImageScope DX viewing software

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- Leica Aperio AT2 DX scanner with Sectra Digital Pathology Module

Leica Aperio AT2 DX scanner with Sectra Digital Pathology Module

- Hamamatsu NanoZoomer S360MD slide scanner system

Product specifications	MDPC-8127
General specifications	
Screen technology	IPS LCD with LED backlight
Active screen size (diagonal)	684 mm (27")
Active screen size (H x V)	569 x 335 mm (22.4 x 13.2")
Aspect ratio (H:V)	16:9
Resolution	8MP (3840 x 2160 pixels @ 120 Hz)
Pixel pitch	0.155 mm
Color imaging	Yes
Gray imaging	Yes
Color depth	10 bit (1.07 billion possible colors)
Viewing angle (H, V)	178°
Screen surface treatment	Anti-Glare coating
Uniformity Technology	PPU
Color calibration	sRGB, SteadyColor (with QAWeb Enterprise), DICOM GSDF, Native
Color gamut NTSC	115% (typical)
Color gamut sRGB	132% (typical)
Color gamut DCI-P3	105% (typical)
Ambient light presets	Yes, reading room selection
Ambient light sensor	Yes
Front sensor	Yes, I-Guard
Maximum luminance (panel typical)	850 cd/m²
Calibrated luminance	450 cd/m²
Contrast ratio (panel typical)	1000:1
sRGB Delta E2000 (typical)	< 1 (average) < 3 (maximum)
Response time ((Tr + Tf)/2) (typical)	8 ms
Housing color	Black / White
Video input signals	2x DisplayPort 1.2
USB ports	1x USB 2.0 upstream (endpoint) 2x USB 2.0 downstream
Power rating	100-240 Vac, 50/60 Hz, 3.6-1.6 A
Power consumption	75 W (nominal) @ calibrated luminance of 450 cd/m² < 0.5 W (hibernate) < 0.5 W (standby)
Dimensions with stand (W x H x D)	651 x 482~582 x 238 mm
Dimensions w/o stand (W x H x D)	651 x 390 x 66 mm
Dimensions packaged (W x H x D)	800 x 650 x 295 mm
Net weight with stand	12.5 kg
Net weight w/o stand	7.9 kg
Net weight packaged	17.4 kg (without optional accessories)
Tilt	-5° to +25°
Swivel	-30° to +30°

Product specifications	MDPC-8127
Pivot	N/A
Height adjustment range	100 mm
Mounting standard	VESA (100 mm)
Recommended modalities	Digital Pathology and Whole Slide Imaging
Certifications	CE0123 (Medical Device) FDA 510(k) K203364 CCC (China) Safety specific: ▪ IEC 60950-1:2005 + A1:2009 + A2:2013 ▪ EN 60950-1:2006 + A1:2010 + A11:2009 + A12:2011 + A2:2013 ▪ IEC 60601-1:2005 + A1:2012 ▪ EN 60601-1:2006 + A1:2013 + A12:2014 ▪ ANSI/AAMI ES 60601-1:2005 + R1:2012 ▪ CAN/CSA C22.2 No. 60601-1:2014 EMI specific: ▪ IEC 60601-1-2:2014 (ed.4) ▪ EN 60601-1-2:2015 (ed.4) ▪ FCC part 15 Class B ▪ ICES-001 Level B ▪ VCCI Environmental: China Energy Label, EU RoHS, China RoHS, REACH, Canada Health, WEEE, Packaging Directive
Supplied accessories	User guide Documentation disc Video cables Mains cables USB cable Barco Touchpad
Optional accessories	MXRT display controller
QA software	QAWeb Enterprise
Warranty	5 years, including 20000 hrs backlight warranty
Operating temperature	0 °C to 35 °C (20 °C to 30 °C within specs)
Storage temperature	-20 °C to 60 °C
Operating humidity	8% to 80% (non-condensing)
Storage humidity	5% to 85% (non-condensing)
Operating pressure	50 kPa minimum
Storage pressure	50 to 106 kPa

Last updated: 26 Mar 2024

ENABLING BRIGHT OUTCOMES

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