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.Al Inc. FullFocus DX viewing software

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



MDPC-8127 Barco



• Leica Aperio AT2 DX System with ImageScope DX viewing software

Leica Aperio AT2 DX System with ImageScope DX viewing software

• 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

PS LCD with LED backlight		
Active screen size (diagonal) 684 mm PZ? Active screen size (H x V) 569 x 335 mm D24 x 13.2?) Aspect ratio (H/V) 169 Resolution 6MP (S640 x 2500 pixels ip 120 Hz) Pixel pitch 0.155 mm Color imaging Yes Bit depth 10 bit 0.7 billion possible colors) Viewing angle (H, V) 178* Uniformity correction PPU Steady-Color Yes, with QAWeb Emerptise Color gamut NTSC 115% (typical) Color gamut AGB 132% (typical) Color gamut DCI-P3 100% (typical) s Color	General specifications	
Active screen size (H x V)	Screen technology	IPS LCD with LED backlight
Aspect ratio (H-V) 16 9 Resolution	Active screen size (diagonal)	684 mm (27°)
Resolution SMP (3840 x 2160 pixels @ 120 Hz)	Active screen size (H x V)	569 x 335 mm (22.4 x 13.2")
Pixel pitch	Aspect ratio (H:V)	16:9
Ves	Resolution	8MP (3840 x 2160 pixels @ 120 Hz)
Section Sect	Pixel pitch	0.155 mm
Bit depth 10 bit (1.07 billion possible colors) Viewing angle (H, V) 178" 17	Color imaging	Yes
Viewing angle (H, V) 178° Uniformity correction PPU SteadyColor Yes, with OAWeb Enterprise Color gamut NTSC 115% (typical) Color gamut SGB 132% (typical) SRGB Detta E2000 (typical) < 1 (average) < 5 (maximum) sRGB Detta E2000 (typical) < 1 (average) < 5 (maximum) Ambient light presets Yes, reading room selection Ambient light sensor Yes Front sensor Yes, I-Suard Maximum luminance (panel typical) 850 cd/m² DICOM calibrated luminance 450 cd/m² Contrast ratio (panel typical) 10001 Response time (IT+ 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 consumption 75 W (nominal) @ calibrated luminance of 450 cd/m² < 0.5 W (scandby) Dimensions with stand (W x H x D) 651 x 482-582 x 238 mm Dimensions packaged (W x H x D) 651 x 390 x 66 mm Dimensions packaged (W x H x D) 800 x 650 x 295 mm	Gray imaging	Yes
Uniformity correction	Bit depth	10 bit (1.07 billion possible colors)
SteadyColor Yes, with QAWeb Enterprise	Viewing angle (H, V)	178°
Color gamut NTSC	Uniformity correction	PPU
Color gamut DCI-P3	SteadyColor	Yes, with QAWeb Enterprise
Color gamut DCI-P3 105% (typical) sRGB Delta E2000 (typical) < 1 (average) < 3 (maximum) < 3 (maximum) Ambient light presets Yes, reading room selection Ambient light sensor Yes Front sensor Yes, I-Guard Maximum luminance (panel typical) 850 cd/m² DICOM calibrated luminance 450 cd/m² Contrast ratio (panel typical) 1000 1 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) x USB 2.0 downstream 2x USB 2.0 downstream Power rating 100-240 Vac, 50/60 Hz, 3.6-1.6 A Power consumption 75 W (norminal) @ calibrated luminance of 450 cd/m² < 0.5 W (Inibernate) < 0.5 W (Inibernate)	Color gamut NTSC	115% (typical)
sRGB Delta E2000 (typical) < 1 (average) < 3 (maximum) Ambient light presets Yes, reading room selection Ambient light sensor Yes, I-Guard Maximum luminance (panel typical) B50 cd/m² DICOM calibrated luminance 450 cd/m² Contrast ratio (panel typical) 1000.1 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) g calibrated luminance of 450 cd/m² < 0.5 W (standby) Dimensions with stand (W x H x D) 651 x 482-582 x 238 mm Dimensions packaged (W x H x D) 651 x 390 x 65 mm Dimensions packaged (W x H x D) 800 x 650 x 295 mm Net weight with stand 7.9 kg Net weight with stand 1.7 kg (without optional accessories) Tit -5° to +25° Swivel -30° to +30°	Color gamut sRGB	132% (typical)
Simple S	Color gamut DCI-P3	105% (typical)
Ambient light sensor Yes Front sensor Yes, I-Guard Maximum luminance (panel typical) 850 cd/m² DICOM calibrated luminance 450 cd/m² Contrast ratio (panel typical) 1000:1 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 (standby) Dimensions with stand (W x H x D) 651 x 482-582 x 238 mm Dimensions wo 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 packaged 17.4 kg (without optional accessories) Titt -5" to +25" Swivel -30" to +30"	sRGB Delta E2000 (typical)	
Front sensor Yes, I-Guard Maximum luminance (panel typical) 850 cd/m² DICOM calibrated luminance 450 cd/m² Contrast ratio (panel typical) 1000:1 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 (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 w/o stand 7.9 kg Net weight packaged 17.4 kg (without optional accessories) Tit -5° to +25° Swivel -30° to +30°	Ambient light presets	Yes, reading room selection
Maximum luminance (panel typical) 850 cd/m² DICOM calibrated luminance 450 cd/m² Contrast ratio (panel typical) 1000:1 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 (islandby)	Ambient light sensor	Yes
DICOM calibrated luminance	Front sensor	Yes, I-Guard
Contrast ratio (panel typical) 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 (inbernate) < 0.5 W (standby) Dimensions with stand (W x H x D) 651 x 482-582 x 238 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	Maximum luminance (panel typical)	850 cd/m ²
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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 backaged (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	Contrast ratio (panel typical)	1000:1
Video input signals 2x DisplayPort 1.2 USB ports 1x USB 2.0 upstream (endpoint) 2x USB 2.0 downstream 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	Response time $((Tr + Tf)/2)$ (typical)	8 ms
USB ports 1x USB 2.0 upstream (endpoint) 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)	Housing color	Black / White
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°	Video input signals	2x DisplayPort 1.2
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	USB ports	
Very stand (W x H x D) 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°	Power rating	100-240 Vac, 50/60 Hz, 3.6-1.6 A
Dimensions w/o stand (W x H x D) 651 x 390 x 66 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°	Power consumption	< 0.5 W (hibernate)
Dimensions packaged (W x H x D)800 x 650 x 295 mmNet weight with stand12.5 kgNet weight w/o stand7.9 kgNet weight packaged17.4 kg (without optional accessories)Tilt-5° to +25°Swivel-30° to +30°	Dimensions with stand (W x H x D)	651 x 482~582 x 238 mm
Net weight with stand12.5 kgNet weight w/o stand7.9 kgNet weight packaged17.4 kg (without optional accessories)Tilt-5° to +25°Swivel-30° to +30°	Dimensions w/o stand (W x H x D)	651 x 390 x 66 mm
Net weight w/o stand7.9 kgNet weight packaged17.4 kg (without optional accessories)Tilt-5° to +25°Swivel-30° to +30°	Dimensions packaged (W x H x D)	800 x 650 x 295 mm
Net weight packaged 17.4 kg (without optional accessories) Tilt -5° to +25° Swivel -30° to +30°	Net weight with stand	12.5 kg
Tilt -5° to +25° Swivel -30° to +30°	Net weight w/o stand	7.9 kg
Swivel -30° to +30°	Net weight packaged	17.4 kg (without optional accessories)
	Tilt	-5° to +25°
Pivot N/A	Swivel	-30° to +30°
	Pivot	N/A

Product specifications	MDPC-8127
Height adjustment range	100 mm
Mounting standard	VESA (100 mm)
Screen protection	Anti-Glare coating
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

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