

MDPE-8127

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



- **27-inch 8MP display designed for routine whole-slide image review**
- **Calibrated color, screen uniformity and stable image presentation**
- **Integrated front and ambient-light sensing**
- **Multiple video inputs, USB-C connectivity and KVM switching**
- **QAWeb Enterprise readiness for scalable display quality management**

A practical entry point into digital pathology

MDPE-8127 is a purpose-designed 27-inch 8MP display for laboratories starting or expanding digital pathology. It combines essential image quality, practical workstation connectivity and quality assurance readiness in a familiar format that supports routine whole-slide image review.

Essential image confidence for everyday review

Get the clarity and consistency needed for digital pathology with 8MP resolution, calibrated color, and uniformity correction. These features help ensure reliable review of whole-slide images across primary, shared, and routine workstations.

Flexible integration for evolving workflows

Connect existing and new computer sources using multiple video inputs, including USB-C DisplayPort Alt Mode. KVM switching and USB connectivity allow a keyboard, mouse and connected devices to be shared across sources, helping keep transitional or multi-source workstations straightforward.

Quality management that grows with your laboratory

Integrated front and ambient-light sensing support stable image



presentation and repeatable viewing settings. QAWeb Enterprise readiness gives labs a path toward centralized calibration and display quality management as the number of digital workstations and locations grows.

A comfortable fit for everyday workspaces

The standard 27-inch 16:9 format fits established pathology desks. Height adjustment, tilt, swivel and VESA mounting provide flexibility for different users and installation requirements, making the display easier to standardize across workstations and sites.

*This product is currently not yet cleared for commercial distribution.

Product specifications

MDPE-8127

General Specifications

Screen technology	IPS LCD with LED backlight
Active screen size (diagonal)	685 mm (27")
Active screen size (H x V)	597 x 336 mm (23.5 x 13.2")
Aspect ratio (H:V)	16:9
Resolution	8MP (3840 x 2160 pixels @ 60 Hz)
Pixel pitch	0.1554 mm
Color imaging	Yes
Gray imaging	Yes
Bit depth	30 bit
Viewing angle (H, V)	178°
Uniformity correction	ULT
SteadyColor	Yes, with QAWeb Enterprise
Color gamut NTSC	85%
Color gamut sRGB	100%
Color gamut DCI-P3	90%
sRGB Delta E2000 (typical)	• Average: • Max:
Ambient light presets	Yes, reading room selection
Ambient light sensor	Yes
Front sensor	Yes, I-Guard
Maximum luminance (panel typical)	700 cd/m ²
DICOM calibrated luminance	350 cd/m ²
Contrast ratio (panel typical)	1000:1
Response time ((Tr + Tf)/2) (typical)	14 ms
Housing color	Black (RAL 9004) / White (RAL 9003)
Video input signals	2x DisplayPort 1.4 1x USB-C 3.2 DisplayPort Alt Mode
USB ports	Upstream: 2x USB-B 2.0 1x USB-C 3.2 (DisplayPort Alt Mode, Power Delivery up to 75W) Downstream: 2x USB-A 2.0 1x USB-A 2.0 (side of the display)
KVM switch	Yes
Power rating	100-240 Vac, 50/60 Hz, 1.0-0.45 A
Power consumption	45 W (nominal) < 0.35 W (hibernate) < 0.3 W (switched off)
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)	820 x 712 x 310 mm
Net weight with stand	11.5 kg
Net weight w/o stand	6.9 kg
Net weight packaged	18.6 kg (without optional accessories)
Tilt	-5° to +25°
Swivel	-30° to +30°
Pivot	N/A
Height adjustment range	100 mm
Mounting standard	VESA (100 mm)
Screen protection	N/A
Recommended modalities	The intended use of the display is documented in MDPE-8127_IntendedUse (REG-1733).

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Certifications	CE (In Vitro Diagnostic Medical Device) / UKCA CCC (China) / KC (South Korea) / INMETRO (Brazil) / NOM (Mexico) / UL & cUL (US & Canada) Safety specific: • IEC 62368-1:2018 • EN IEC 62368-1:2020+A11:2020 • IEC 60601-1:2005+A1:2012+A2:2020 • EN 60601-1:2006+A1:2013+A12:2014+A2:2021 • AAMI ES 60601-1:2005+A1:2012+A2:2021 • CAN/CSA C22.2 No. 60601-1:2014/A2:2022 • IEC 61010-1:2010+A1:2016 • EN 61010-1:2010+A1:2019 EMI specific: • IEC 60601-1-2:2014+A1:2020 (Ed.4.1) • EN 60601-1-2:2015+A1:2021 (Ed.4.1) • EN IEC 61326-2-6:2025 • IEC TS 60601-4-2:2024 • FCC part 15 Class B • ICES-001 Level B • VCCI (Japan) Environmental: EU RoHS, China RoHS, REACH, Canada Health, WEEE, Packaging Directive * Some of the listed certifications may still be pending. For the actual list of applicable certifications, please refer to the product page on www.barco.com or see the certification marks on the product label of your display.
Supplied accessories	Quick start guide User guide Documentation disc System sheet Video cables Mains cables USB cable
Optional accessories	Display controller Touch pad
QA software	QAWeb Enterprise
Warranty	3 years, including 15,000 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	10% to 80% (non-condensing)
Storage humidity	10% to 85% (non-condensing)
Operating pressure	70 kPa minimum
Storage pressure	50 to 106 kPa

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