

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.

Specifiche tecniche

MDPE-8127

Specifiche generali

Tecnologia dello schermo	IPS LCD with LED backlight
Dimensione dello schermo attivo (diagonale)	685 mm (27")
Dimensioni dello schermo attivo (H x V)	597 x 336 mm (23.5 x 13.2")
Rapporto di aspetto (H:V)	16:9
Risoluzione	8MP (3840 x 2160 pixels @ 60 Hz)
Passo pixel	0.1554 mm
Imaging a colori	Yes
Imaging a toni di grigio	Yes
Profondità di bit	30 bit
Angolo di visuale (Orizz., Vert.)	178°
Correzione dell'uniformità	ULT
SteadyColor	Yes, with QAWeb Enterprise
Gamut di colore NTSC	85%
Gamut di colore sRGB	100%
Gamut di colore DCI-P3	90%
sRGB Delta E2000 (tipico)	• Average: • Max:
Preimpostazioni della luce ambientale	Yes, reading room selection
Sensore di luce ambientale	Yes
Sensore anteriore	Yes, I-Guard
Luminanza massima (tipica del pannello)	700 cd/m ²
Luminanza calibrata DICOM	350 cd/m ²
Rapporto di contrasto (tipico del pannello)	1000:1
Tempo di risposta ((Tr + Tf)/2) (tipico)	14 ms
Colore dell'alloggiamento	Black (RAL 9004) / White (RAL 9003)
Segnali di ingresso video	2x DisplayPort 1.4 1x USB-C 3.2 DisplayPort Alt Mode
Porte USB	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)
Switch KVM	Yes
Valore alimentazione	100-240 Vac, 50/60 Hz, 1.0-0.45 A
Consumo energetico	45 W (nominal) < 0.35 W (hibernate) < 0.3 W (switched off)
Dimensioni con supporto (L x A x P)	651 x 482~582 x 238 mm
Dimensioni senza supporto (L x A x P)	651 x 390 x 66 mm
Dimensioni imballaggio (L x A x P)	820 x 712 x 310 mm
Peso netto con supporto	11.5 kg
Peso netto senza supporto	6.9 kg
Peso netto con imballaggio	18.6 kg (without optional accessories)
Inclinazione	-5° to +25°
Rotazione	-30° to +30°
Funzione pivot	N/A
Gamma di regolazione dell'altezza	100 mm
Standard di montaggio	VESA (100 mm)
Protezione dello schermo	N/A
Modalità consigliate	The intended use of the display is documented in MDPE-8127_IntendedUse (REG-1733).

Specifiche tecniche

MDPE-8127

Certificazioni	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.
Accessori in dotazione	Quick start guide User guide Documentation disc System sheet Video cables Mains cables USB cable
Accessori opzionali	Display controller Touch pad
Software di controllo qualità	QAWeb Enterprise
Garanzia	3 years, including 15,000 hrs backlight warranty
Temperatura di esercizio	0 °C to 35 °C (20 °C to 30 °C within specs)
Temperatura di stoccaggio	-20 °C to 60 °C
Umidità di esercizio	10% to 80% (non-condensing)
Umidità di stoccaggio	10% to 85% (non-condensing)
Pressione di esercizio	70 kPa minimum
Pressione di stoccaggio	50 to 106 kPa

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