

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.

Technische Daten

MDPE-8127

Allgemeine Daten

Bildschirmtechnologie	IPS LCD with LED backlight
Aktives Bildschirmformat (Diagonale)	685 mm (27")
Aktives Bildschirmformat (H x V)	597 x 336 mm (23.5 x 13.2")
Seitenverhältnis (H:V)	16:9
Auflösung	8MP (3840 x 2160 pixels @ 60 Hz)
Pixelpitch	0.1554 mm
Farbbildgebung	Yes
Graubildgebung	Yes
Bittiefe	30 bit
Betrachtungswinkel (H, V)	178°
Uniformitätskorrektur	ULT
SteadyColor	Yes, with QAWeb Enterprise
Farb-Gamut NTSC	85%
Farb-Gamut sRGB	100%
Farb-Gamut DCI-P3	90%
sRGB Delta E2000 (typisch)	• Average: • Max:
Voreinstellungen für Umgebungslicht	Yes, reading room selection
Umgebungslichtsensor	Yes
Frontsensor	Yes, I-Guard
Maximale Luminanz (paneltypisch)	700 cd/m²
DICOM-kalibrierte Leuchtdichte	350 cd/m²
Kontrastverhältnis (paneltypisch)	1000:1
Reaktionszeit ((Tr + Tf)/2) (typisch)	14 ms
Gehäusefarbe	Black (RAL 9004) / White (RAL 9003)
Videoeingangssignale	2x DisplayPort 1.4 1x USB-C 3.2 DisplayPort Alt Mode
USB-Anschlüsse	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
Nennleistung	100-240 Vac, 50/60 Hz, 1.0-0.45 A
Leistungsaufnahme	45 W (nominal) < 0.35 W (hibernate) < 0.3 W (switched off)
Abmessungen mit Standfuß (B x H x T)	651 x 482~582 x 238 mm
Abmessungen ohne Ständer (B x H x T)	651 x 390 x 66 mm
Abmessungen verpackt (B x H x T)	820 x 712 x 310 mm
Nettogewicht mit Ständer	11.5 kg
Nettogewicht ohne Ständer	6.9 kg
Nettogewicht verpackt	18.6 kg (without optional accessories)
Neigung	-5° to +25°
Schwenken	-30° to +30°
Drehachse	N/A
Höhenverstellbereich	100 mm
Montagestandard	VESA (100 mm)
Bildschirmschutz	N/A
Empfohlene Modalitäten	The intended use of the display is documented in MDPE-8127_IntendedUse (REG-1733).

Technische Daten

MDPE-8127

Zertifizierungen	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.
Mitgeliefertes Zubehör	Quick start guide User guide Documentation disc System sheet Video cables Mains cables USB cable
Optionales Zubehör	Display controller Touch pad
QA-Software	QAWeb Enterprise
Garantie	3 years, including 15,000 hrs backlight warranty
Betriebstemperatur	0 °C to 35 °C (20 °C to 30 °C within specs)
Lagertemperatur	-20 °C to 60 °C
Luftfeuchtigkeit im Betrieb	10% to 80% (non-condensing)
Luftfeuchtigkeit bei Lagerung	10% to 85% (non-condensing)
Betriebsdruck	70 kPa minimum
Speicherdruck	50 to 106 kPa

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