

Nio Color 8MP (MDNC-8132)*

Your perfect fit for radiology diagnostic reading and clinical collaboration at home, in the hospital, anywhere



- Large 32" display
- 8MP screen resolution
- Integrated multimedia functionalities
- One display for multiple workstations
- Automated, remote QA and compliance

Barco's Nio Color 8MP display is the ideal choice for radiology image interpretation in various settings. It seamlessly merges our acclaimed image quality and detail with built-in features that make collaboration with peers – from any location – easy and clutter-free.

Excellent 8MP image quality on a large 32" screen

Whether you're working in an office, at home, or any other location, a solid setup is crucial. With its remarkable 8MP resolution and generous 32" screen, Nio Color 8MP empowers you to combine the information and images you need on a single screen.

The monitor includes our Intuitive Workflow Tools and cutting-edge technologies:

- SteadyGray for precise and consistent representation of grays
- SteadyColor for accurate and consistent representation of colors
- I-Guard for stable performance across the display's full lifetime
- Uniform Luminance Technology for screen-wide uniformity correction
- Ambient Light Compensation for optimal viewing in various lighting conditions
- RapidFrame for sharp and fast image rendering when scrolling through cine images

Your perfect fit for reading radiology images, anywhere



In addition to the Nio Color 8MP's exceptional core features, you also get:

- Integrated camera, speaker, and microphone
- Our advanced screensharing tool Multi-Display Confer, for smooth virtual collaboration
- KVM functionality for effortless switching between multiple workstations
- Daisy chaining to keep your desk free of cable clutter

Stable performance, remotely managed

Enjoy automated QA and compliance for a stable performance anywhere, during the full lifetime of your monitor, thanks to QAWeb Enterprise. Finally, Barco's all-inclusive warranty assures you a full return on investment over at least 5 to 7 years of your display.

*This product is currently not cleared for commercial distribution. It's awaiting CE marking in Europe but also product registration in several other countries worldwide. For additional information, please get in touch with your Barco representative.

Product specificaties**NIO COLOR 8MP (MDNC-8132)*****General specifications**

Schermt technologie	IPS
Actief schermformaat (diagonaal)	812.80 mm (32.0")
Formaat actief scherm (H x V)	708.48 x 398.52 mm (27.9 x 15.7")
Beeldverhouding (H:V)	16:9
Resolutie	8MP (3840 x 2160 pixels @ 60 Hz)
Pixelpitch	0.1845 mm
Beeldkleur	Yes
Grijsbeeldvorming	Yes
Bit depth	30 Bit
Kijkhoek (H, V)	178°
Uniformity correction	ULT
SteadyGray	Yes
Steady Color	Yes (in MXRT Display Controller), when used as a system with MXRT Display Controller & QAWeb Enterprise
Color gamut NTSC	94%
Color gamut sRGB	132%
sRGB Delta E2000 (typical)	Average: < x Max: < x
RapidFrame	Yes
Voorgeprogrammeerde instellingen voor omgevingslicht	Yes, reading room selection
Ambient light sensor	Yes
Voorsensor	Yes, I-Guard
Presence sensor	Yes
Maximale luminantie (paneel standaard)	850 cd/m ²
DICOM-gekalibreerde luminescentie	420 cd/m ²
Contrastverhouding (paneel standaard)	1350:1
Reactietijd ((stijgtijd + valtjijd)/2) (standaard)	12.7 ms
Kleur behuizing	Black (RAL 9004) / White (RAL 9003)
Video-ingangssignalen	2x DisplayPort 1.4
Video-uitgangssignalen	1x DisplayPort (MST)
USB-poorten	2x USB-B 2.0 upstream (endpoint) 5x USB-A 2.0 downstream (of which 1 charge port)
KVM switch	Yes
Power rating	24 Vdc, 8.3 A
Voedingsvereisten	This device shall only be powered by the medical approved power supply of Adapter Tech., type ATM200T-P240: <ul style="list-style-type: none"> ■ Input: 100-240 Vac, 50-60 Hz, 2.5-0.9 A ■ Output: 24 Vdc, 8.3 A
Energieverbruik	60 W (nominal) < 0.35 W (hibernate) < 0.35 W (switched off)
Afmetingen met standaard (B x H x D)	743 x 518~618 x 238 mm
Afmetingen zonder standaard (B x H x D)	743 x 459 x 63 mm
Afmetingen verpakt (B x H x D)	898 x 752 x 358 mm
Nettogewicht met standaard	13 kg
Nettogewicht zonder standaard	8.4 kg
Nettogewicht verpakt	21 kg (without optional accessories)
Kanteling	-5° to +25°
Zwenking	-30° to +30°
Roteren	N/A
Hoogteregelbereik	100 mm
Montagestandaard	VESA (100 mm)
Bescherming van het scherm	N/A
Aanbevolen procedures	All digital images, except digital mammography.

Product specificaties

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Certificeringen	CE0123 (Medical Device) FDA 510(k) K233693 CCC (China) (Pending), KC (Korea) (Pending), INMETRO (Brazil) (Pending), BIS (India) (Pending), EAC (Russia) (Pending) Safety specific: IEC 60950-1:2005 + A1:2009 + A2:2013 EN 60950-1:2006 + A1:2010 + A11:2009 + A12:2011 + A2:2013 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 (Reaffirmed 2022) EMI specific: IEC 60601-1-2:2014 + A1:2020 (ed4.1) EN 60601-1-2:2015 + A1:2021 (ed4.1) FCC part 15 Class B ICES-001 Level B VCCI (Japan) (Pending) Environmental: EU RoHS, China RoHS, REACH, Canada Health, WEEE, Packaging Directive
Meegeleverde accessoires	User Guide Quick Install Sheet Documentation disc System sheet Video cables Mains cables USB cable External power supply
Optionele accessoires	Display controller Touch pad
Software voor kwaliteitsgarantie	QAWeb Enterprise
Garantie	5 years, including 20000 hours backlight warranty
Bedrijfstemperatuur	0 °C to 35 °C (20 °C to 30 °C within specs)
Opslagtemperatuur	-20 °C to +60 °C
Vochtigheid in bedrijf	8 % to 80 % (non-condensing)
Vochtigheid bij opslag	5 % to 85 % (non-condensing)
Bedrijfsdruk	70 kPa
Opslagdruk	50 to 106 kPa

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