Nio Color 8MP (MDNC-8132)*

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

Icons:
- 8 MP
- 5Y WARRANTY
- AAM
- DIMVIEW
- SPOTVIEW
- DISPLAYPORT
- 30 BIT COLOR
- ALC PRESETS
- STEADYCOLOR
- STEADY GRAY
- QAWEB
- FRONT SENSOR
- I-GUARD
- ULT
- LED TECHNOLOGY
- COLOR

- **Large 32" display**

- **8MP screen resolution**

- **Integrated multimedia functionalities**

- **One display for multiple workstations**

- **Automated, remote QA and compliance**

- **Pathology setting for accurate representation of whole slide images**

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

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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 specifications	NIO COLOR 8MP (MDNC-8132)*
General specifications	
Screen technology	IPS
Active screen size (diagonal)	812.80 mm (32.0")
Active screen size (H x V)	708.48 x 398.52 mm (27.9 x 15.7")
Aspect ratio (H:V)	16:9
Resolution	8MP (3840 x 2160 pixels @ 60 Hz)
Pixel pitch	0.1845 mm
Color imaging	Yes
Gray imaging	Yes
Bit depth	30 Bit
Viewing angle (H, V)	178°
Uniformity correction	ULT
SteadyGray	Yes
SteadyColor	Yes (in MXRT Display Controller), when used as a system with MXRT Display Controller & QAWeb Enterprise
RapidFrame	Yes
Ambient light presets	Yes, reading room selection
Ambient light sensor	Yes
Front sensor	Yes, I-Guard
Presence sensor	Yes
Maximum luminance (panel typical)	850 cd/m²
DICOM calibrated luminance	420 cd/m²
Contrast ratio (panel typical)	1350:1
Response time ((Tr + Tf)/2) (typical)	12.7 ms
Housing color	Black (RAL 9004) / White (RAL 9003)
Video input signals	2x DisplayPort
Video output signals	1x DisplayPort (MST)
USB ports	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
Power requirements	This device shall only be powered by the medical approved power supply of Adapter Tech., type ATM200T-P240: ■ Input: 100-240 Vac, 50-60 Hz, 2.5-0.9 A ■ Output: 24 Vdc, 8.3 A
Power consumption	60 W (nominal) < 0.35 W (hibernate) < 0.35 W (switched off)
Dimensions with stand (W x H x D)	743 x 518~618 x 238 mm
Dimensions w/o stand (W x H x D)	743 x 459 x 63 mm
Dimensions packaged (W x H x D)	900 x 750 x 365 mm
Net weight with stand	13 kg
Net weight w/o stand	8.4 kg
Net weight packaged	21 kg (without optional accessories)

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Product specifications	NIO COLOR 8MP (MDNC-8132)*
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	All digital images, except digital mammography.
Certifications	ALL PENDING CE0123 (Medical Device) FDA 510(k) K233693 CCC (China), KC (Korea), INMETRO (Brazil), BIS (India), EAC (Russia) Safety specific: IEC 60950-1:2005 + A1:2009 + A2:2013 EN 60950-1:2006 + A1:2010 + A11:2009 + 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 ANSI/AAMI ES 60601-1:2005 + A1:2012 + A2:2021 CAN/CSA C22.2 No. 60601-1:2014 + A2:2022 EMI specific: IEC 60601-1-2:2020 (ed4.1) EN 60601-1-2:2015 + A1:2021 (ed4.1) FCC part 15 Class B ICES-001 Level B VCCI (Japan) Environmental: China Energy Label, EU RoHS, China RoHS, REACH, Canada Health, WEEE, Packaging Directive
Supplied accessories	User Guide Quick Install Sheet Documentation disc System sheet Video cables Mains cables USB cable External power supply
Optional accessories	Display controller Touch pad
QA software	QAWeb Enterprise
Warranty	5 years, including 20000 hours 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	70 kPa
Storage pressure	50 to 106 kPa

Last updated: 13 May 2024

ENABLING BRIGHT OUTCOMES

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