

# 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.

### **A+ ecolabel for Nio Color 8MP**

The Nio Color 8MP has been subjected to Barco's ecoscoring protocol and has received an A+ rating. Some key factors that contributed to this rating are:

- Automatic standby mode when device is not in use
- Use of plastics containing 35% post-consumer recycled content
- >50% halogen-free cables & >65% halogen-free PCBs
- >90% recyclable packaging
- 5 years all-inclusive warranty, extendable to 7 years

**Product specifications****NIO COLOR 8MP (MDNC-8132)****Ogólne specyfikacje**

|  |  |
|--|--|
| Technologia ekranu                         | IPS  |
| Aktywny rozmiar ekranu (przekłtna)         | 812.80 mm (32.0")  |
| Rozmiar aktywnego ekranu (wys. x szer.)    | 708.48 x 398.52 mm (27.9 x 15.7")  |
| Proporcje obrazu (H:V)                     | 16:9   |
| Rezolucja                                  | 8MP (3840 x 2160 pixels @ 60 Hz)   |
| Rozstaw pikseli                            | 0.1845 mm  |
| Wyświetlanie obrazu w kolorze              | Yes  |
| Wyświetlanie obrazu w skali szarości       | Yes  |
| Głębokość bitowa                           | 30 Bit   |
| Kąt widzenia (H, V)                        | 178°   |
| Korekcja jednolitości                      | ULT  |
| SteadyGray                                 | Yes  |
| SteadyColor                                | Yes (in MXRT Display Controller), when used as a system with MXRT Display Controller & QAWeb Enterprise  |
| Gama kolorów NTSC                          | 94%  |
| Gama kolorów sRGB                          | 132%   |
| sRGB Delta E2000 (typowy)                  | Average: < x Max: < x  |
| RapidFrame                                 | Yes  |
| Wstępne ustawienia oświetlenia otoczenia   | Yes, reading room selection  |
| Czujnik światła otoczenia                  | Yes  |
| Czujnik przedni                            | Yes, I-Guard   |
| Czujnik obecności                          | Yes  |
| Maksymalna luminancja (typowa dla panelu)  | 850 cd/m <sup>2</sup>  |
| Luminancja skalibrowana dla DICOM          | 420 cd/m <sup>2</sup>  |
| Współczynnik kontrastu (typowy dla panelu) | 1350:1   |
| Czas reakcji ((Tr + Tf)/2) (typowy)        | 12.7 ms  |
| Kolor obudowy                              | Black (RAL 9004) / White (RAL 9003)  |
| Sygnaly wejściowe wideo                    | 2x DisplayPort 1.4   |
| Sygnaly wyjściowe wideo                    | 1x DisplayPort (MST)   |
| Porty USB                                  | 2x USB-B 2.0 upstream (endpoint) 5x USB-A 2.0 downstream (of which 1 charge port)  |
| Przełącznik KVM                            | Yes  |
| Moc znamionowa                             | 24 Vdc, 8.3 A  |
| Wymagania dotyczące zasilania              | This device shall only be powered by the medical approved power supply of Adapter Tech., type ATM200T-P240<br>Input: 100-240 Vac, 50-60 Hz, 2.5-0.9 A<br>Output: 24 Vdc, 8.3 A |
| Pobór energii                              | 60 W (nominal)<br>< 0.35 W (switched off)  |
| Wymiary ze stojakiem (szer. x wys. x gł.)  | 743 x 518~618 x 238 mm   |
| Wymiary bez podstawy (szer. x wys. x gł.)  | 743 x 459 x 63 mm  |
| Wymiary po spakowaniu (szer. x wys. x gł.) | 898 x 752 x 358 mm   |
| Waga netto ze stojakiem                    | 13 kg  |
| Waga netto bez stojaka                     | 8.4 kg   |
| Waga netto w opakowaniu                    | 21 kg (without optional accessories)   |
| Nachylenie                                 | -5° to +25°  |
| Obrót                                      | -30° to +30°   |
| Przegub                                    | N/A  |
| Zakres regulacji wysokości                 | 100 mm   |
| Standard montażu                           | VESA (100 mm)  |
| Ochrona ekranu                             | N/A  |
| Zalecane zastosowania                      | All digital images, except digital mammography.  |

## Product specifications

## NIO COLOR 8MP (MDNC-8132)

|                                   |  |
|-----------------------------------|--|
| <b>Certyfikaty</b>                | CE0123 (Medical Device)<br>FDA 510(k) K233693<br>CCC(China), KC (Korea), INMETRO (Brazil), BIS (India), EAC (Russia)<br>Safety specific:<br>IEC 60950-1:2005 + A1:2009 + A2:2013<br>EN60950-1:2006 + A1:2010 + A11:2009 + A12:2011 + A2:2013<br>IEC 62368-1:2018<br>EN IEC 62368-1:2020 + A11:2020<br>IEC60601-1:2005 + A1:2012 + A2:2020<br>EN 60601-1:2006 + A1:2013 + A12:2014 + A2:2021<br>AAMI ES 60601-1:2005 + A1:2012 + A2:2021<br>CAN/CSA C22.2 No. 60601-1:2014 (Reaffirmed 2022)<br>EMI specific:<br>IEC 60601-1-2:2014+A1:2020 (ed4.1)<br>EN 60601-1-2:2015 + A1:2021 (ed4.1)<br>FCC part 15 Class B<br>ICES-001 Level B<br>VCCI (Japan)<br>Environmental:<br>EU RoHS, China RoHS, REACH, Canada Health, WEEE, Packaging Directive |
| <b>Dostarczone akcesoria</b>      | User Guide<br>Quick Install Sheet<br>Documentation disc<br>System sheet<br>Video cables<br>Mains cables<br>USB cable<br>External power supply  |
| <b>Akcesoria opcjonalne</b>       | Display controller<br>Touch pad  |
| <b>Oprogramowanie QA</b>          | QAWeb Enterprise   |
| <b>Gwarancja</b>                  | 5 years, including 20000 hours backlight warranty  |
| <b>Temperatura robocza</b>        | 0 °C to 35 °C (20 °C to 30 °C within specs)  |
| <b>Temperatura przechowywania</b> | -20 °C to +60 °C   |
| <b>Wilgotność robocza</b>         | 8 % to 80 % (non-condensing)   |
| <b>Wilgotność przechowywania</b>  | 5 % to 85 % (non-condensing)   |
| <b>Ciśnienie robocze</b>          | 70 kPa   |
| <b>Ciśnienie magazynowania</b>    | 50 to 106 kPa  |

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