

# Nio Color 5MP (MDNC-6121)

5.8 MP high-bright color display



- **Designed for radiology and mammography**
- **High-bright, steady colors and grays**
- **Front sensor and QAWeb Enterprise for always-on compliance**

Nio Color 5MP offers super bright, color calibrated and the most detailed medical images, including mammography and breast tomosynthesis. It's how we help you improve your workflow and make more confident diagnoses.

## **No detail goes unnoticed**

Barco's Nio Color 5MP renders excellent color and grayscale images used in general radiology as well 2D and 3D mammography. Its high brightness and high contrast ratio help you discern the most subtle image details for an accurate diagnosis. And the additional resolution allows you to fit more of the image on the screen for reduced panning and zooming.

Using Barco's integrated front sensor, the Nio Color 5MP works perfectly together with Barco's QAWeb Enterprise solution for automated Quality Assurance and calibration. QAWeb Enterprise guarantees stable DICOM grayscale images and, with SteadyColor, consistent calibrated color images throughout the display's lifetime.

## **Work smarter**

With the integrated smart features, you can easily take control and improve your productivity. SpotView™, for example, allows you to focus on an area of interest to unveil even more details. And with DimView™, auxiliary displays can be dimmed automatically so they don't interfere with your reading experience.

The Nio Color 5MP is an excellent solution for radiologists who want to angle their desktop: it lets you choose your preferred viewing angle and offers a highly ergonomic display configuration. It's also possible to switch between Clearbase and Bluebase viewing modes on-the-fly. Whether to suit the image type or to change reading preferences, you decide which color you want, and



when.

### **Ultimate peace of mind**

Thanks to the high-performance LED backlights, the Nio Color 5MP has a positive impact on both maintenance and operational costs. The display is equipped with an integrated glass cover to safeguard your investment.

Barco is the only company that provides complete system solutions, from display and controllers to workflow tools and calibration via QAWeb. All components are covered by our full 5 -year warranty. At product release, we extensively test our displays' compatibility with all major PACS applications.

### **Ensuring diagnostic confidence with MDR Class IIa**

Our radiology displays are MDR-certified as Class IIa. Their product information has been reviewed and cleared by independent medical and technical experts, and is audited yearly. In other words, we ensure diagnostic confidence and peace of mind for our users.

Please consult your Barco representative or distributor in your country or territory to confirm availability. A reference to any product or service on this site does not imply that such product is or will be available in your location.

**Product specificaties****NIO COLOR 5MP (MDNC-6121)**

General specifications	
Schermttechnologie	LCD
Actief schermformaat (diagonaal)	541 mm (21.3")
Formaat actief scherm (H x V)	324.45 x 432.6 mm (12.77" x 17")
Beeldverhouding (H:V)	3:4 for each display in portrait mode, 3:2 overall
Resolutie	5.8 MP (2100 x 2800 pixels)
Pixelpitch	0.1545 mm
Beeldkleur	Yes
Grijsbeeldvorming	Yes
Bit depth	30 bit
Kijkhoek (H, V)	178°
Uniformity correction	ULT
Steady Color	Yes, when used as system with MXRT display controller
SteadyGray	Yes
I-Luminate	Yes
Omgevingslichtcompensatie (OLC)	Yes, reading room selection
Voorsensor	Yes
Maximale luminantie (paneel standaard)	1300 cd/m <sup>2</sup>
DICOM-gekalibreerde luminescentie	600 cd/m <sup>2</sup>
Contrastverhouding (paneel standaard)	1400:1
Reactietijd ((stijgtijd + valtijd)/2) (standaard)	12.5 ms
Kleur behuizing	RAL 9003 / RAL 9004
Video-ingangssignalen	DVI-D Dual Link (2x) DisplayPort (2x)
USB-poorten	1x USB 2.0 upstream (endpoint) 2x USB 2.0 downstream
Power rating	24 VDC, 5 A; 5 VDC, 0.1 A
Voedingsvereisten	This device shall only be powered by the following medical approved power supplies: Adapter Technology, type CMD160-P240 Ratings marked on the medical power supply: <ul style="list-style-type: none"> <li>■ Input rating: 100–240 VAC, 1.9–0.8 A, 50/60 HZ</li> <li>■ Output rating: 24 VDC, 6.3 A; 5 VDC, 0.5 A</li> </ul>
Energieverbruik	60 W (nominal) < 0.5 W (standby)
Afmetingen met standaard (B x H x D)	Portrait: 378 x 528~628 x 235 mm Landscape: 491 x 472~572 x 235 mm
Afmetingen zonder standaard (B x H x D)	Portrait: 378 x 491 x 84 mm Landscape: 491 x 378 x 84 mm
Afmetingen verpakt (B x H x D)	500 x 280 x 670 mm
Nettogewicht met standaard	With protective cover: 11.6 kg Without protective cover: 10.2 kg
Nettogewicht zonder standaard	With protective cover: 6.6 kg Without protective cover: 5.2 kg
Nettogewicht verpakt	With protective cover: 17.0 kg (without optional accessories) Without protective cover: 15.7 kg (without optional accessories)

**Product specificaties****NIO COLOR 5MP (MDNC-6121)**

Kanteling	-10° to +30°
Zwenking	-45° to +45°
Roteren	90°
Hoogteregelbereik	100 mm
Montagestandaard	VESA (100 mm)
Bescherming van het scherm	Protective, anti-reflective optical glass (optional)
Aanbevolen procedures	All digital images, including digital mammography
Certificeringen	CE0123 (Medical Device) FDA 510(K) K170476 for General Radiology, Digital Mammography and Breast Tomosynthesis CCC (China), KC (Korea), INMETRO (Brazil -Product numbers K9300360B, K9300361B), BIS (India), EAC (Russia, Kazakhstan, Belarus, Armenia and Kyrgyzstan)  Safety specific: IEC 60950-1:2005 + A1:2009 EN 60950-1:2006 + A1:2010 + A11:2009 + A12:2011 + A2:2013 IEC 62368-1:2018 EN IEC 62368-1:2020 IEC 60601-1:2005 + A1:2012 EN 60601-1:2006 + A1:2013 + A12:2014 ANSI/AAMI ES 60601-1:2005 + R1:2012 CAN/CSA C22.2 No. 60601-1:14  EMI specific: IEC 60601-1-2: 2014 (ed.4) EN 60601-1-2:2015 (ed.4) 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
Meegeleverde accessoires	User guide Documentation disc System sheet Video cable (1 x DisplayPort) Mains cable(s) USB 2.0 cable External power supply
Optionele accessoires	Display controller
Software voor kwaliteitsgarantie	QAWeb
Garantie	5 years, including 40000 hrs backlight warranty
Bedrijfstemperatuur	0 °C to 40 °C (15 °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 minimum
Opslagdruk	50 to 106 kPa

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