

# Nio Color 3MP Dental (MDNC-3521 Option DE)



- Shows sharp, bright dental images
- Reveals more details
- A++ ecolabel thanks to high energy efficiency

Our Nio Color 3MP dental display has everything it takes for dental specialists. It brings sharp and bright images to the diagnostic reading room so you can quickly visualize concealed anatomic structures and easily detect dental abnormalities. The Nio Color 3MP is available with and without cover.

## An accurate diagnosis

The Nio Color 3MP dental display has been designed specifically for use in the dental reading room. For endodontic treatment, for example, visualization of small details is essential for a swift and correct diagnosis and an accurate treatment plan. Even when used in different ambient light conditions, the Nio Color 3MP display will provide you with crisp, high-contrast detail, enabling an accurate treatment planning.

## Planning with confidence

Thanks to the integrated uniformity technologies, subtle abnormalities or concealed anatomical structures in the oral and maxillofacial region can be visualized without imperfections or screen noise. While keeping the brightness steady over time, you can make accurate decisions.

In the case of oral surgery, it means critical structures can be more visible, which is crucial when planning for dental implant placement, for example. Detailed visualization of the bone structure, accurate localization of nerves and arteries all contribute to the success and safety of the procedure.

## Models

- Nio Color 3MP dental with protective cover
- Nio Color 3MP without cover

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 3MP DENTAL (MDNC-3521 OPTION DE)**

General specifications	
Scherntechnologie	IPS-SFT Color LCD
Actief schermformaat (diagonaal)	541 mm (21.3")
Formaat actief scherm (H x V)	433 x 325 mm (17.1 x 12.8")
Beeldverhouding (H:V)	4:3
Resolutie	3MP (2048 x 1536 pixels)
Pixelpitch	0.2115 mm
Beeldkleur	Yes
Grijsbeeldvorming	Yes
Bit depth	30 bit
Kijkhoek (H, V)	178°
Uniformity correction	ULT
SteadyGray	Yes (in MXRT display controller), when used as a system with MXRT display controller & QAWeb Enterprise
Steady Color	Yes (in MXRT display controller), when used as a system with MXRT display controller & QAWeb Enterprise
RapidFrame	Yes
I-Luminate	No
Voorgeprogrammeerde instellingen voor omgevingslicht	Yes, reading room selection
Ambient light sensor	Yes
Backlight Output Stabilization Technology (BLOS)	No
Voorsensor	Yes, I-Guard
Presence sensor	Yes
Maximale luminantie (paneel standaard)	1050 cd/m <sup>2</sup>
DICOM-gekalibreerde luminescentie	600 cd/m <sup>2</sup>
Contrastverhouding (paneel standaard)	2000:1
Reactietijd ((stijgtijd + valtijd)/2) (standaard)	12 ms (gray-to-gray average)
Kleur behuizing	Black (RAL 9004) / White (RAL 9003)
Video-ingangssignalen	2x DisplayPort 1.4
Video-uitgangssignalen	N/A
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, 4 A
Voedingsvereisten	This device shall only be powered by the medical approved power supply of Adapter Technology Co., Ltd., type ATM160T-P240. Ratings marked on the power supply: <ul style="list-style-type: none"><li>■ Input: 100-240 VAC, 1.8-0.9 A, 50-60 Hz</li><li>■ Output: 24 VDC, 6.6 A</li></ul>
Energieverbruik	45 W (nominal) < 0.35 W (hibernate) < 0.30 W (switched off)
Afmetingen met standaard (B x H x D)	Portrait: 351 x 531~631 x 225 mm Landscape: 491 x 462~562 x 225 mm

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Afmetingen zonder standaard (B x H x D)	Portrait: 351 x 491 x 64 mm Landscape: 491 x 351 x 64 mm
Afmetingen verpakt (B x H x D)	455 x 210 x 770 mm
Nettogewicht met standaard	8.8 kg
Nettogewicht zonder standaard	5.8 kg
Nettogewicht verpakt	12.2 kg (without optional accessories)
Kanteling	-10° to +30°
Zwenking	-30° to +30°
Roteren	90°
Hoogterebereik	100 mm
Montagestandaard	VESA (100 mm)
Bescherming van het scherm	Protective, anti-reflective front glass
Aanbevolen procedures	All digital images, except digital mammography
Certificeringen	<p>CE0123 (Medical Device) FDA 510(k) K230520 CCC (China), KC (Korea), BSMI (Taiwan), INMETRO (Brazil -Product numbers K9300390A, K9300391A), BIS (India), EAC (Russia, Kazakhstan, Belarus, Armenia and Kyrgyzstan) Safety specific:</p> <ul style="list-style-type: none"><li>IEC 60950-1:2005 + A1:2009</li><li>EN 60950-1:2006 + A1:2010 + A11:2009 + A12:2011 + A2:2013</li><li>IEC 62368-1:2018</li><li>EN IEC 62368-1:2020</li><li>IEC 60601-1:2005 + A1:2012</li><li>EN 60601-1:2006 + A1:2013 + A12:2014</li><li>ANSI/AAMI ES 60601-1:2005 + R1:2012</li><li>CAN/CSA C22.2 No. 60601-1:2014</li></ul> <p>EMI specific</p> <ul style="list-style-type: none"><li>IEC 60601-1-2:2014 (ed4)</li><li>EN 60601-1-2:2015 (ed4)</li><li>FCC part 15 Class B</li><li>ICES-001 Level B</li><li>VCCI (Japan) (pending)</li></ul> <p>Environmental: China Energy Label (pending), EU RoHS, China RoHS (pending), REACH, Canada Health, WEEE, Packaging Directive</p>
Meegeleverde accessoires	<ul style="list-style-type: none"><li>User Guide</li><li>Documentation disc</li><li>System sheet</li><li>Video cables</li><li>Mains cable(s)</li><li>USB cable</li><li>External power supply</li></ul>
Optionele accessoires	Display controller
Software voor kwaliteitsgarantie	QAWeb
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 minimum
Opslagdruk	50 to 106 kPa

**Laatst bijgewerkt: 18 Mar 2024**

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