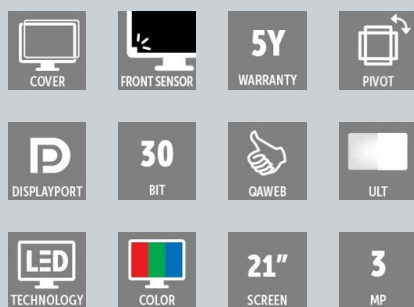


Nio Color 3MP Dental (MDNC-3421)

21" diagnostic display for the dental office



- Shows sharp, bright dental images
- Reveals more details
- Enables faster decisions

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 pathologies. 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-3421)****General specifications**

Scherntechnologie	IPS-TFT Color LCD
Actief schermformaat (diagonaal)	540 mm (21.3")
Formaat actief scherm (H x V)	432 x 324 mm (17.0 x 12.8")
Beeldverhouding (H:V)	4:3
Resolutie	3MP (2048 x 1536 pixels)
Pixelpitch	0.2109 mm
Beeldkleur	Yes
Grijsbeeldvorming	Yes
Bit depth	30 bit
Kijkhoek (H, V)	178°
Uniformity correction	ULT
Voorgeprogrammeerde instellingen voor omgevingslicht	Yes, reading room selection
Voorsensor	Yes
Maximale luminantie (paneel standaard)	900 cd/m ²
DICOM-gekalibreerde luminescentie	500 cd/m ²
Contrastverhouding (paneel standaard)	1400:1
Reactietijd ((stijgtijd + valtijd)/2) (standaard)	10 ms
Kleur behuizing	RAL 9003 / RAL 9004
Video-ingangssignalen	1x DVI 1x DisplayPort
USB-poorten	1x USB 2.0 upstream (endpoint) 3x USB 2.0 downstream
Power rating	24 VDC, 4 A
Voedingsvereisten	This device shall only be powered by the following medical approved power supplies: Sinpro Electronics, type CPU110-201 Ratings marked on the medical power supply: ■ Input rating: 100–240 VAC, 1.5 A, 47–63 Hz ■ Output rating: 24 VDC, 4.58 A
Energieverbruik	50 W (nominal) < 0.5 W (standby)
Afmetingen met standaard (B x H x D)	491 x 472~572 x 235 mm
Afmetingen zonder standaard (B x H x D)	491 x 378 x 84 mm
Afmetingen verpakt (B x H x D)	500 x 280 x 670 mm
Nettogewicht met standaard	Option DE: 12.0 kg Option DE NC: 10.7 kg
Nettogewicht zonder standaard	Option DE: 7.0 kg Option DE NC: 5.7 kg
Nettogewicht verpakt	Option DE: 16.5 kg (without accessories) Option DE NC: 15.2 kg (without accessories)
Kanteling	-10° to +30°

Product specificaties**NIO COLOR 3MP DENTAL (MDNC-3421)**

Zwenking	-45° to +45°
Roteren	90°
Hoogterebereik	100 mm
Montagestandaard	VESA (100 mm)
Bescherming van het scherm	Option DE: Protective, anti-reflective glass cover Option DE NC: N/A
Aanbevolen procedures	All digital images, except digital mammography
Certificeringen	CE0123 (Medical Device) FDA 510(K) K170837 for General Radiology CCC (China), KC (Korea), PSE (Japan), 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 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 (ed4) EN 60601-1-2:2015 (ed4) 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	Graphics board
Software voor kwaliteitsgarantie	QAWeb
Garantie	5 years, including 20000 hrs backlight warranty
Bedrijfstemperatuur	0 °C to 40 °C (15 °C to 35 °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: 08 Jul 2024

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