

Nio Color 2MP (MDNC-2221) Dental

2MP display for the dental treatment room (room classes 5 and 6)



- Accurate, steady images
- Cleanable, stylish design
- Automated compliance with dental regulations

Barco's Nio Color 2MP has everything it takes for your dental practice. It brings sharp and bright images to your desktop in a stylish but cleanable design.

Did you know?

New regulations (DIN 6868-157) in the dental market define strict standards for displays. It means you'll need a specific monitor, depending on the lighting conditions in your work environment. That's why Barco developed a range of displays for the dental practice. One for every environment. Ready to use out of the box.

Reliable diagnosis in the treatment room

The Nio Color 2MP has been built for use in the dental treatment and reading room (room classes 5 and 6 as defined by DIN 6868-157). It provides you with the crisp, high-contrast detail you need for fast, more effective viewing of dental images.

Automated quality control

It is fully compliant with the latest DIN standards thanks to MediCal QAWeb and the Nio front sensor that work wonderfully together to ensure automated calibration and internal image stabilization. The result? Consistent, stable and bright images at all times, even in brightly-lit treatment rooms!

Combined with the benefits of a centrally managed, fully integrated and automated QA and reporting - removing the need for manual compliance and calibration - Nio Color 2MP puts a smile on your face while you take care of that of your patients.

Barco's dental practice package includes:

A Nio Color 2MP display with unique front sensor, an additional LCD sensor for automated ambient light control, all bundled with Barco's MediCal QAWeb software optimized for the new DIN standard.

Product specificaties

NIO COLOR 2MP (MDNC-2221) DENTAL

General specifications	
Scherntechnologie	TFT AM Color LCD IPS
Achtergrondverlichting	LED
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	2MP (1600 x 1200)
Pixelpitch	0.27 mm
Beeldkleur	Yes
Grijsbeeldvorming	Yes
Kleurondersteuning	30 bit
Kijkhoek (H, V)	178°
Voorsensor	Yes
Uniform Luminance Technology (ULT)	Yes
Omgevingslichtcompensatie (OLC)	No
Backlight Output Stabilization Technology (BLOS)	Yes
Maximale luminantie	800 cd/m²
DICOM-gekalibreerde luminescentie	500 cd/m²
Contrastverhouding (ULT uit)	1400:1
Reactietijd (stijgtijd + valtijd)	20 ms
Video-ingangssignalen	DVI-D Dual Link, DisplayPort
USB-poorten	1 upstream (endpoint), 2 downstream
USB-standaard	2.0
Stroomverbruik (nominaal)	36W
Energiebesparingsmodus	Yes
Afmetingen met standaard (B x H x D)	Portrait: 378x528~628x235mm/Landscape: 491x472~572x235mm
Afmetingen zonder standaard (B x H x D)	Portrait: 378x491x84mm/Landscape: 491x378x84mm
Nettogewicht met standaard	12.6 kg (with protective cover)
Montagestandaard	VESA (100 mm)
Rotatie hardware	90°
Bescherming van het scherm	Protective, non-reflective glass cover
Aanbevolen procedures	CT, MR, US, DR, CR, NM, Film
Certificeringen	CE0120 (MDD 93/42/EEC; A1:2007/47/EC class II b product), CE -2004/108/EC, IEC 60950-1:2005 + A1:2009 (2ND EDITION), IEC 60601-1:2005 + A1:2012, ANSI/AAMI ES 60601-1:2005 + C1:2009 + A1:2012, CAN/CSAC22.2 No. 60601-1(2008), DEMKO -EN 60601-1:2006, EN 60601-1-2:2007, CCC -GB9254-2008 + GB4943.1-2011 + GB17625.1-2003, KCC pending, BIS, VCCI, FCC class B, ICES-001 Level B, FDA 510(k), RoHS
Meegeleverde accessoires	Getting Started Guide, Quick-Installation Sheet /Video cable (DVI Dual Link), USB 2.0 cable, DisplayPort cable /Main cables (UK, European (CEBEC/KEMA), USA (UL/CSA; adaptor plug NEMA 5-15P), Chinese (CCC))/External power supply
Software voor kwaliteitsgarantie	MediCal QAWeb
Garantie	5 years

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