

# 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 specifications****NIO COLOR 2MP (MDNC-2221) DENTAL****General specifications**

Screen technology	TFT AM Color LCD IPS
Backlight	LED
Active screen size (diagonal)	540 mm (21.3")
Active screen size (H x V)	432 x 324 mm (17.0 x 12.8")
Aspect ratio (H:V)	4:3
Resolution	2MP (1600 x 1200)
Pixel pitch	0.27 mm
Color imaging	Yes
Gray imaging	Yes
Color support	30 bit
Viewing angle (H, V)	178°
Front sensor	Yes
Uniformity Technology	Yes
Ambient Light Compensation (ALC)	No
Backlight Output Stabilization (BLOS)	Yes
Maximum luminance	800 cd/m <sup>2</sup>
DICOM calibrated luminance	500 cd/m <sup>2</sup>
Contrast ratio (ULT off)	1400:1
Response time (Tr + Tf)	20 ms
Video input signals	DVI-D Dual Link, DisplayPort
USB ports	1 upstream (endpoint), 2 downstream
USB standard	2.0
Power consumption (nominal)	36W
Power save mode	Yes
Dimensions with stand (W x H x D)	Portrait: 378x528~628x235mm/Landscape: 491x472~572x235mm
Dimensions w/o stand (W x H x D)	Portrait: 378x491x84mm/Landscape: 491x378x84mm
Net weight with stand	12.6 kg (with protective cover)
Mounting standard	VESA (100 mm)
Pivot hardware	90°
Screen protection	Protective, non-reflective glass cover
Recommended modalities	CT, MR, US, DR, CR, NM, Film
Certifications	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
Supplied accessories	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
QA software	MediCal QAWeb
Warranty	5 years

**Last updated: 04 Jul 2024**

© 2024 Barco nv. All rights reserved. Reproduction in whole or in part without written permission is prohibited. All brand names and product names are trademarks, registered trademarks or tradenames of their respective holders. Due to continued innovation, information and technical specifications are subject to change without prior notice. Please check [www.barco.com](http://www.barco.com) for the latest specifications.