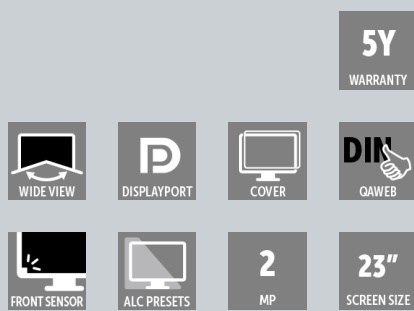


# Nio Color 2MP (MDNC-2123 Option DE) Dental

2MP diagnostic display for the dental office



- **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 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 your dental office

The Nio Color 2MP has been built for use in your reading or treatment room (room classes 5 and 6 as defined by DIN 6868-157). Its high brightness and contrast make subtle details, such as early caries or microcracks, more visible. So you can make a precise diagnosis based on reliable images.

#### Automated quality control

Nio Color 2MP is always up to standard because of Barco's luminance sensor technology and QAWeb Enterprise software. By constantly measuring and monitoring display brightness, we can ensure that your dental images will look consistent and accurate over time and across displays.

#### Compliant with medical safety standards

Nio Color 2MP is available with a protective cover (optional) for easy cleaning while complying with the medical 60601 safety standard.

We recommend the version with optional cover if you want to give your patients a clear picture of their oral health.

#### Models

- Nio Color 2MP dental with protective cover
- Nio Color 2MP without cover

**TECHNISCHE SPECIFICATIES****NIO COLOR 2MP (MDNC-2123 OPTION DE) DENTAL**

Schermt technologie	LCD
Actief schermformaat (diagonaal)	598 mm (23.6")
Formaat actief scherm (H x V)	521 x 293 mm (20.5 x 11.5")
Beeldverhouding (H:V)	16:9
Resolutie	2MP (1920 x 1080 pixels)
Pixel pitch	0.2715 mm
Beeldkleur	Yes
Grijsbeeldvorming	Yes
Bit depth	30 bit
Kijkhoek (H, V)	178°
Voorgeprogrammeerde instellingen voor omgevingslicht	Yes, reading room selection
Ambient light sensor	Yes
Voorsensor	Yes
Maximale luminantie (paneel standaard)	460 cd/m <sup>2</sup>
DICOM-gekalibreerde luminescentie	370 cd/m <sup>2</sup>
Contrastverhouding (paneel standaard)	1000:1
Reactietijd ((stijgtijd + valtijd)/2) (standaard)	15 ms
Kleur behuizing	RAL 9003
Video-ingangssignalen	1x DVI 1x DisplayPort
USB-poorten	1x USB 2.0 upstream (endpoint) 2x USB 2.0 downstream
Voedingsvereisten	Internal power supply (100-240 Vac, 50-60 Hz)
Energieverbruik	25 W (nominal) < 0.5 W (hibernate) < 0.5 W (standby)
Afmetingen met standaard (B x H x D)	560 x 412~512 x 202 mm
Afmetingen zonder standaard (B x H x D)	560 x 335 x 61 mm
Afmetingen verpakt (B x H x D)	700 x 465 x 230 mm
Nettogewicht met standaard	Option DE WP: 7.2 kg Option DE WH: 5.9 kg
Nettogewicht zonder standaard	Option DE WP: 5.0 kg Option DE WH: 3.7 kg
Nettogewicht verpakt	Option DE WP: 10.2 kg Option DE WH: 8.9 kg
Kanteling	-1° to +24°
Roteren	90°
Hoogteregebereik	100 mm (landscape)
Montagestandaard	VESA (100 mm)
Bescherming van het scherm	Option DE WP: Protective, anti-reflective glass cover Option DE WH: N/A
Aanbevolen procedures	All digital images, except digital mammography

**TECHNISCHE SPECIFICATIES****NIO COLOR 2MP (MDNC-2123 OPTION DE) DENTAL**

<b>Certificeringen</b>	FDA 510(K) K171812 for General Radiology CE1639 (Medical Device) CCC (China)  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
<b>Meegeleverde accessoires</b>	User guide Documentation disc System sheet DisplayPort video cable AC mains cable USB cable
<b>Software voor kwaliteitsgarantie</b>	QAWeb
<b>Garantie</b>	Minimum 3 years, including 20,000 hours backlight warranty Please check the Barco Terms & Conditions for specific Warranty conditions.
<b>Bedrijfstemperatuur</b>	0 °C to 40 °C (15 °C to 35 °C within specs)
<b>Opslagtemperatuur</b>	-20 °C to 60 °C
<b>Vochtigheid in bedrijf</b>	8% to 80% (non-condensing)
<b>Vochtigheid bij opslag</b>	5% to 85% (non-condensing)
<b>Bedrijfsdruk</b>	70 kPa minimum
<b>Opslagdruk</b>	50 to 106 kPa

**Last updated: 02 Feb 2022**Technical specifications are subject to change without prior notice. Please check [www.barco.com](http://www.barco.com) for the latest information.