Nio Color 2MP (MDNC-2123 Option DE) Dental
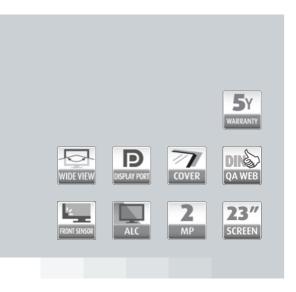
2MP diagnostic display for the dental office (room classes 5 and 6)

- **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 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 MediCal QAWeb 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. It also ensures that the display conforms with DIN 6868-157, automatically.

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.

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PRODUCT SPECIFICATIONS	NIO COLOR 2MP (MDNC-2123 OPTION DE) DENTAL
Screen technology	LCD
Active screen size (diagonal)	598 mm (23.6")
Active screen size (H x V)	521 x 293 mm (20.5 x 11.5")
Aspect ratio (H:V)	16:9
Resolution	2MP (1920 x 1080 pixels)
Pixel pitch	0.2715 mm
Color imaging	Yes
Gray imaging	Yes
Bit depth	30 bit
Viewing angle (H, V)	178°
Ambient light presets	Yes, reading room selection
Ambient light sensor	Yes
Front sensor	Yes
Maximum luminance (panel typical)	460 cd/m²
DICOM calibrated luminance	340 cd/m²
Contrast ratio (panel typical)	1000:1
Response time ((Tr + Tf)/2) (typical)	15 ms
Housing color	RAL 9003
Video input signals	1x DVI 1x DisplayPort
USB ports	1x USB 2.0 upstream (endpoint) 2x USB 2.0 downstream
Power requirements	Internal power supply (100-240 Vac, 50-60 Hz)
Power consumption	25 W (nominal) < 0.5 W (hibernate) < 0.5 W (standby)
Dimensions with stand (W x H x D)	560 x 412~512 x 202 mm
Dimensions w/o stand (W x H x D)	560 x 335 x 61 mm
Dimensions packaged (W x H x D)	700 x 465 x 230 mm
Net weight with stand	Option DE WP: 7.2 kg Option DE WH: 5.9 kg
Net weight w/o stand	Option DE WP: 5.0 kg Option DE WH: 3.7 kg
Net weight packaged	Option DE WP: 10.2 kg Option DE WH: 8.9 kg
Tilt	-1° to +24°
Pivot	90°
Height adjustment range	100 mm (landscape)
Mounting standard	VESA (100 mm)
Screen protection	Option DE WP: Protective, anti-reflective glass cover Option DE WH: N/A
Recommended modalities	All digital images, except digital mammography

PRODUCT SPECIFICATIONS	NIO COLOR 2MP (MDNC-2123 OPTION DE) DENTAL
Certifications	FDA 510(K) K133984 for General Radiology CE0120 (MDD 93/42/EEC; A1:2007/47/EC class IIb product) 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
Supplied accessories	User guide Documentation disc System disc DisplayPort video cable AC mains cable USB cable
QA software	MediCal QAWeb
Warranty	Minimum 3 years, including 20,000 hours backlight warranty Please check the Barco Terms & Conditions for specific Warranty conditions.
Operating temperature	0 °C to 40 °C (15 °C to 35 °C within specs)
Storage temperature	-20 °C to 60 °C
Operating humidity	8% to 80% (non-condensing)
Storage humidity	5% to 85% (non-condensing)
Operating pressure	70 kPa minimum
Storage pressure	50 to 106 kPa

Last updated: 22 Oct 2018

Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.