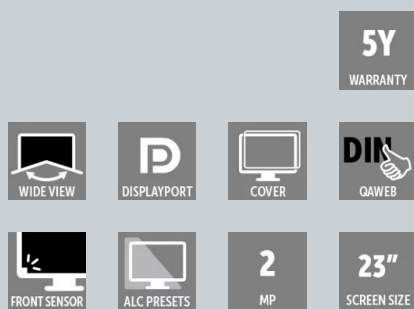


Nio Color 2MP (MDNC-2123 Option DE) Dental

2MP diagnostic display for the dental office



- Accurate, steady images
- Cleanable, stylish design
- A reliable companion for image viewing

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.

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 more visible. So you can make diagnoses that are 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

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

General specifications	
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/m ²
DICOM calibrated luminance	370 cd/m ²
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: 8.0 kg Option DE WH: 6.7 kg
Net weight w/o stand	Option DE WP: 5.8 kg Option DE WH: 4.5 kg
Net weight packaged	Option DE WP: 11.0 kg Option DE WH: 9.7 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	<p>FDA 510(K) K171812 for General Radiology CE0123 (Medical Device) KC (Korea) EAC (Russia)</p> <p>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</p> <p>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)</p> <p>Environmental: EU RoHS, REACH, Canada Health, WEEE, Packaging Directive</p>
Supplied accessories	<p>User guide Documentation disc System sheet DisplayPort video cable Mains cable(s) USB cable</p>
Optional accessories	<p>Graphics board Touch pad</p>
QA software	<p>MediCal QAWeb</p>
Warranty	<p>Minimum 3 years, including 20,000 hours backlight warranty Please check the Barco Terms & Conditions for specific Warranty conditions.</p>
Operating temperature	<p>0 °C to 40 °C (15 °C to 35 °C within specs)</p>
Storage temperature	<p>-20 °C to 60 °C</p>
Operating humidity	<p>8% to 80% (non-condensing)</p>
Storage humidity	<p>5% to 85% (non-condensing)</p>
Operating pressure	<p>70 kPa minimum</p>
Storage pressure	<p>50 to 106 kPa</p>

Last updated: 18 Mar 2024

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