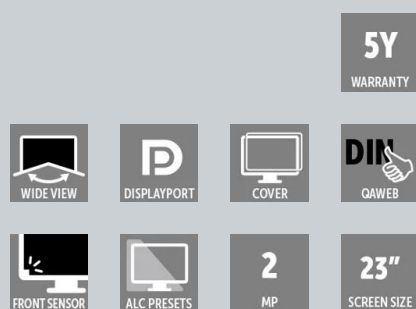


Nio Color 2MP (MDNC-2123 Option DE) Dental

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

Ecolabel for Nio Color 2MP Dental



The Nio Color 2MP Dental has been subjected to Barco's ecoscoring protocol. Some key factors that contributed to this rating are:

- High energy efficiency when in active use, energy efficient power supply
- Possibility to switch to standby mode when device is not in use
- Halogen-free cables and plastic parts >25g
- Product weight reduction compared to previous model
- Product design optimized for disassembly

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°
Color Calibration(sRGB)	Yes, reading room selection
sRGB Delta E2000 (typical)	Yes
Front sensor (FLOS)	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 rating	24 VDC, 4 A
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 without 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°
Swivel	N/A
Pivot	90°
Height adjustment range	100 mm (landscape)
Mounting standard	VESA (100 mm)
Screen Protection	Option DE WP: Protective cover: yes Anti-Reflective coating: yes Material: glass
Touch Screen	Option DE WP: Protective, anti-reflective glass cover Option DE WH: N/A
Recommended modalities	All digital images, except digital mammography
Certifications	FDA 510(K) K171812 for General Radiology CE0123 (Medical Device) KC (Korea) EAC (Russia) Safety specific: IEC 60950-1:2005+A1:2009+A2:2013 EN 609501:2006+A1:2010+A11:2009+A12:2011+A2:2013 IEC 62368-1:2018 EN IEC 62368-1:2020+A11:2020 IEC 60601-1:2005+A1:2012+A2:2020 EN 60601-1:2006+A1:2013+A12:2014+A2:2021 AAMI ES 60601-1:2005+A1:2012+A2:2021 CAN/CSA C22.2 No. 60601-1:2014 (Reaffirmed 2022) EMI specific: IEC 60601-1-2:2014+A1:2020 (Ed.4.1) EN 60601-1-2:2015+A1:2021 (Ed.4.1) FCC part 15 Class B ICES-001 Level B VCCI (Japan) Environmental: EU RoHS, REACH, Canada Health, WEEE, Packaging Directive
Supplied accessories	User guide Documentation disc System disc DisplayPort video cable Mains cable(s) USB cable
Optional accessories	Graphics board Touch pad
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)
Minimum operating pressure	70 kPa
Storage pressure	50 to 106 kPa

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