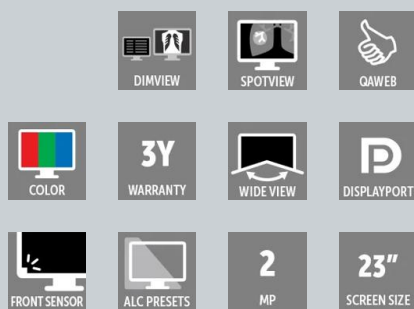


Nio Color 2MP 23" (MDNC-2123 Option EM)

2MP diagnostic display



- Accurate, steady images
- Increases visibility of subtle details
- High ROI

Barco's MDNC-2123 EM is an industry-standard 2MP color display system with LED backlights for dependable diagnostic viewing in high-bright color. The Nio Color 2MP 23" provides an effective display solution for a multitude of applications and modalities.

Reliable diagnosis

The high brightness and contrast make subtle details more visible. The 23.6" landscape format is perfect for wide-view display of images. The front sensor ensures you see reliable images at all times so you can diagnose with confidence.

Automated quality control

The Nio Color 2MP 23" is always up to standard because of Barco's luminance sensor technology and MediCal QAWeb software. By constantly measuring and monitoring the display brightness, your images will look consistent and accurate over time and across displays.

A good investment

Using power-efficient LED backlights, the Nio Color 2MP 23" is as low in power consumption as it is high in brightness. Because it uses less power, the display produces less heat and requires less cooling, which impacts maintenance and operational costs. Additionally, the LED backlights offer a long lifetime -even at high brightness -providing a high return on your investment.

Barco is the only company that provides complete system solutions, from display and controllers to workflow tools and calibration via QAWeb. At product release, Barco extensively tests the displays compatibility with all major PACS applications.

A ecolabel for Nio Color 2MP

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

- High energy efficiency when in active use, energy efficient power supply
- Possibility to automatically 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

Product specifications

NIO COLOR 2MP 23" (MDNC-2123 OPTION EM)

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 / RAL 9004
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	5.9 kg
Net weight w/o stand	3.7 kg
Net weight packaged	8.9 kg (without accessories)
Tilt	-1° to +24°
Pivot	90°
Height adjustment range	100 mm (landscape)
Mounting standard	VESA (100 mm)
Recommended modalities	All digital images, except digital mammography
Certifications	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
Supplied accessories	User guide Documentation disc System sheet DisplayPort video cable AC mains cable USB cable
Optional accessories	Graphics board
QA software	QAWeb
Warranty	3 years, including 20,000 hrs backlight warranty
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

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