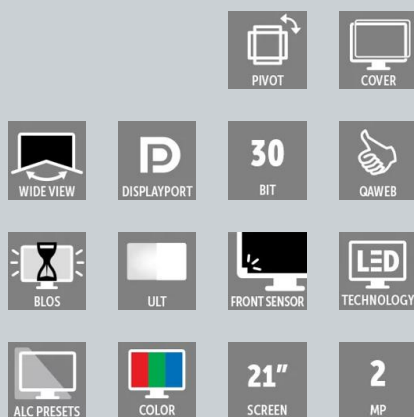


Nio Color 2MP HE (MDNC-2221 HE)

2MP high-bright color diagnostic display system for home working and private practices



Radiologists require a diagnostic display set-up when they are working from home. Barco's Nio Color 2MP HE has everything it takes to deliver productivity while ensuring diagnostic confidence from the home office. Your benefits? Faster reading with more DICOM JNDs, no manual compliance or calibration (calibration, QA, and compliance reporting are automated through our secure, cloud-based MediCal QAWeb service), and a lifetime that is 10 times longer than that of a commercial display thanks to the high-quality LED backlights.

Image stability and consistency at home

Thanks to its automated DICOM calibration and internal image stabilization capabilities -including a front sensor -the Nio Color 2MP HE is fully compliant with the latest DIN standards. The result? Consistent, stable and bright images at all times and in all lighting conditions, providing maximum diagnostic confidence.

An excellent investment

Studies have shown that diagnostic display systems enable radiologists to come to a correct interpretation more quickly and with more certainty. When used at home, the productivity level rises even further. Combined with the benefits of a centrally managed, fully integrated and automated DICOM QA and reporting - removing the need for manual compliance and calibration -Nio Color 2MP HE ensures return on investment after only one year of use.

Barco's home working package includes:

A single-head or a dual-head color-matched Nio Color 2MP HE, bundled with Barco's MediCal QAWeb Premium and LCD sensor.

- Complete, plug-and-play bundle including display, MediCal QAWeb Premium and Barco LCD sensor
- High-bright and power-efficient LED backlights
- Accurate grayscale and color rendering for various applications
- Automated DICOM calibration with front sensor and internal image stabilization technology
- Sleek, modern design to complement the home office

Product specifications**NIO COLOR 2MP HE (MDNC-2221 HE)****General specifications**

Screen technology	IPS-Pro
Active screen size (diagonal)	540 mm (21.3")
Active screen size (H x V)	432 x 324 mm (17.0 x 12.8")
Aspect ratio (H:V)	4:3
Resolution	2MP (1600 x 1200 pixels)
Pixel pitch	0.27 mm
Color imaging	Yes
Gray imaging	Yes
Bit depth	30 bit
Viewing angle (H, V)	178°
Uniformity correction	ULT
Ambient light presets	Yes, reading room selection
Ambient light sensor	Yes
Backlight Output Stabilization (BLOS)	Yes
Front sensor	Yes
Maximum luminance (panel typical)	440 cd/m ²
DICOM calibrated luminance	300 cd/m ²
Contrast ratio (panel typical)	1400:1
Response time ((Tr + Tf)/2) (typical)	10 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 rating	24 VDC, 3.75 A
Power requirements	This device shall only be powered by the following medical approved power supply: Bridgepower, type JMW190KB2400F11 Ratings marked on the medical power supply: ■ Input rating: 100–240 VAC, 2 A, 50–60 Hz ■ Output rating: 24 VDC, 3.75 A
Power consumption	36 W (nominal) < 1 W (hibernate) < 1 W (standby)
Dimensions with stand (W x H x D)	Portrait: 378 x 525~625 x 235 mm Landscape: 491 x 466~566 x 235 mm
Dimensions w/o stand (W x H x D)	Portrait: 378 x 491 x 83 mm Landscape: 491 x 378 x 83 mm
Dimensions packaged (W x H x D)	655 x 388 x 495 mm
Net weight with stand	11.3 kg
Net weight w/o stand	6.3 kg
Net weight packaged	15.5 kg (without accessories)

Product specifications**NIO COLOR 2MP HE (MDNC-2221 HE)**

Tilt	-5° to +25°
Swivel	-30° to +30°
Pivot	90°
Height adjustment range	100 mm
Mounting standard	VESA (100 mm)
Recommended modalities	All digital images, except digital mammography
Certifications	CE1639 (MDD 93/42/EEC; A1:2007/47/EC class IIb product) CE -2014/30/EU CE -93/42/EEC; A1:2007/47/EC class II b IEC 60601-1(ed.3); IEC 60601-1(ed.3 am1) ANSI/AAMI ES60601-1(2005+C1:09+A2:10+A1:12) CAN/CSA-C22.2 No. 60601-1(2014) EN 60601-1-2:2015 EN 60601-1:2006/A11:2011/A12:2014; EN 60601-1:2006/A1:2013 CCC -GB9254-2008 + GB4943.1-2011 + GB17625.1-2012 KC BIS VCCI FCC class B ICES-001 Level B FDA 510(k) RoHS
Supplied accessories	User guide Documentation disc System disc Video cable Mains cable(s) USB cable External power supply
QA software	MediCal QAWeb
Warranty	3 years, including 15000 hrs backlight warranty
Operating temperature	0 °C to 35 °C (15 °C to 30 °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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