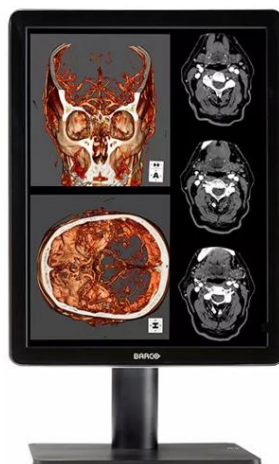


# Nio Color 2MP LED (MDNC-2221)

2MP high-bright color display system



- Color medical display with 1600 x 1200 resolution
- Barco LED technology to unveil the subtlest details
- Front sensor for on-demand image quality checks

Nio Color 2MP LED is a 2 MegaPixel color display system with LED backlights, providing excellent image quality for confident diagnoses. Nio Color 2MP LED provides an effective display solution for a multitude of applications and modalities, including 3D PACS, 3D echo, ultrasound, orthopedic imaging, CAD, image fusion, nuclear medicine and PET.

#### Confident color reading

Equipped with high-bright LED backlights, Nio Color 2MP LED delivers excellent brightness and more shades of gray to detect subtle details more quickly. The unique front-of-screen sensor ensures you see consistent and precise images at all times for confident diagnoses.

#### On-demand image quality checks

The front-of-screen sensor on Nio Color 2MP LED, which works seamlessly with Barco's online QAWeb Enterprise solution for automated Quality Assurance and on-demand calibration, makes sure you are viewing perfect DICOM images.

#### An excellent investment

The Nio Color 2MP LED 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 an excellent return on your investment.

Nio Color 2MP LED is available with and without cover.

- High-bright and power-efficient LED backlights
- Accurate grayscale and color rendering
- Front sensor and QAWeb Enterprise for easy DICOM conformance
- High-performance 3D rendering with full 3D, OpenGL and DirectX support

**Product specificaties****NIO COLOR 2MP LED (MDNC-2221)**

General specifications	
Scherntechnologie	IPS-Pro
Actief schermformaat (diagonaal)	540 mm (21.3")
Formaat actief scherm (H x V)	432 x 324 mm (17.0 x 12.8")
Beeldverhouding (H:V)	4:3
Resolutie	2MP (1600 x 1200 pixels)
Pixelpitch	0.27 mm
Beeldkleur	Yes
Grijsbeeldvorming	Yes
Bit depth	30 bit
Kijkhoek (H, V)	178°
Uniformity correction	ULT
Voorgeprogrammeerde instellingen voor omgevingslicht	Yes, reading room selection
Ambient light sensor	Yes
Backlight Output Stabilization Technology (BLOS)	Yes
Voorsensor	Yes
Maximale luminantie (paneel standaard)	800 cd/m <sup>2</sup>
DICOM-gekalibreerde luminescentie	500 cd/m <sup>2</sup>
Contrastverhouding (paneel standaard)	1400:1
Reactietijd ((stijgtijd + valtijd)/2) (standaard)	10 ms
Kleur behuizing	RAL 9003 / RAL 9004
Video-ingangssignalen	1x DVI 1x DisplayPort
USB-poorten	1x USB 2.0 upstream (endpoint) 2x USB 2.0 downstream
Power rating	24 VDC, 3.75 A
Voedingsvereisten	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
Energieverbruik	50 W (nominal) < 1 W (hibernate) < 1 W (standby)
Afmetingen met standaard (B x H x D)	Portrait: 378 x 525~625 x 235 mm Landscape: 491 x 466~566 x 235 mm
Afmetingen zonder standaard (B x H x D)	Portrait: 378 x 491 x 83 mm Landscape: 491 x 378 x 83 mm
Afmetingen verpakt (B x H x D)	655 x 388 x 495 mm
Nettogewicht met standaard	With protective cover: 12.6 kg Without protective cover: 11.3 kg
Nettogewicht zonder standaard	With protective cover: 7.6 kg Without protective cover: 6.3 kg
Nettogewicht verpakt	With protective cover: 16.8 kg (without optional accessories) Without protective cover: 15.5 kg (without optional accessories)

**Product specificaties****NIO COLOR 2MP LED (MDNC-2221)**

Kanteling	-5° to +25°
Zwenking	-30° to +30°
Roteren	90°
Hoogteregelsbereik	100 mm
Montagestandaard	VESA (100 mm)
Aanbevolen procedures	All digital images, except digital mammography
Certificeringen	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 BSMI EAC INMETRO VCCI FCC class B ICES-001 Level B FDA 510(k) RoHS
Meegeleverde accessoires	User guide Documentation disc System sheet Video cable Mains cable(s) USB cable External power supply
Software voor kwaliteitsgarantie	QAWeb
Garantie	5 years, including 20000 hrs backlight warranty
Bedrijfstemperatuur	0 °C to 35 °C (15 °C to 30 °C within specs)
Opslagtemperatuur	-20 °C to 60 °C
Vochtigheid in bedrijf	8% to 80% (non-condensing)
Vochtigheid bij opslag	5% to 85% (non-condensing)
Bedrijfsdruk	70 kPa minimum
Opslagdruk	50 to 106 kPa

**Laatst bijgewerkt: 18 Mar 2024**

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