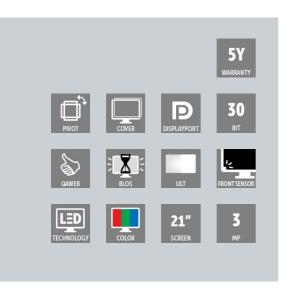
Nio Color 3MP LED (MDNC-3321)

3MP high-bright color display system





- Color medical display with 2048 x 1536 resolution
- Barco LED technology to unveil the subtlest details
- Front sensor for on-demand image quality checks

Nio Color 3MP LED is a 3 MegaPixel high-bright color display system with LED backlights, providing excellent image quality for confident diagnoses. Nio Color 3MP 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 3MP 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 3MP LED, which works seamlessly with Barco's online MediCal QAWeb solution for automated Quality Assurance and on-demand calibration, makes sure you are viewing perfect DICOM images.

An excellent investment

Using energy-efficient LED backlights, Nio Color 3MP 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.

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



Product specifications NIO COLOR 3MP LED (MDNC-3321) General specifications Screen technology TFT AM Color LCD IPS Backlight Active screen size (diagonal) 540 mm (21.3") Active screen size (H x V) 433 x 325 mm (17.0 x 12.8") Aspect ratio (H:V) 4:3 3MP (2048 x 1536) Resolution Pixel pitch Color imaging Gray imaging Yes 30 bit Color support Viewing angle (H, V) 176° Front sensor Yes Uniformity Technology Per Pixel Uniformity (PPU) No Ambient Light Compensation (ALC) No Yes Backlight Output Stabilization (BLOS) Maximum luminance 800 cd/m² DICOM calibrated luminance 400 cd/m² Contrast ratio (ULT off) 1400:1 Response time (Tr + Tf) Video input signals DVI-D Dual Link, DisplayPort **USB** ports 1 upstream (endpoint), 2 downstream USB standard 20 50W Power consumption (nominal) Power save mode Dimensions with stand (W x H x D) Portrait: 378 x 528~628 x 235 mm Landscape: 491 x 472~572 x 235 mm Dimensions w/o stand (W x H x D) Portrait: 378 x 491 x 84 mm Landscape: 491 x 378 x 84 mm Net weight with stand 12.8 kg Pivot hardware Mounting standard VESA (100 mm) Protective, non-reflective glass cover Screen protection Recommended modalities All digital images, except digital mammography CE0120 (MDD 93/42/EEC; A1:2007/47/EC class II b product), CE -2014/30/EU, IEC 60950-1:2005 + A1:2009 (2ND Certifications EDITION), IEC 60601-1:2005 + A1:2012, ANSI/AAMI ES 60601-1:2005 + C1:2009 + A1:2012, CAN/CSAC22.2 No. 60601-1(2008), DEMKO -EN 60601-1:2006, EN 60601-1-2:2007, CCC -GB9254-2008 + GB4943.1-2011 + GB17625.1-2003, KCC, VCCI, FCC class B, ICES-001 Level B, FDA 510(k), RoHS Supplied accessories Getting Started Guide, Quick-Installation Sheet Video cable (DVI Dual Link), USB 2.0 cable, DisplayPort cable Main cables (UK, European (CEBEC/KEMA), USA (UL/CSA; adaptor plug NEMA 5-15P), Chinese (CCC)) External power supply QA software MediCal QAWeb 5 years Warranty 0°C to 40°C (15°C to 30°C within specs) Operating temperature Storage temperature -20°C to 60°C Operating humidity 8% -80% (non-condensing)

Last updated: 08 Jul 2024

Storage humidity

Operating altitude
Storage altitude

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5% -95% (non-condensing)

7500 m

