Nio Color 3MP LED (MDNC-3321)

3MP high-bright color display system

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.

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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.

Technical specifications	Nio Color 3MP LED (MDNC-3321)
Screen technology	TFT AM Color LCD IPS
Backlight	LED
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
Resolution	3MP (2048 x 1536)
Pixel pitch	0.2155 mm
Color imaging	Yes
Gray imaging	Yes
Color support	30 bit
Viewing angle (H, V)	176°
Front sensor	Yes
Uniform Luminance Technology (ULT)	Yes
Per Pixel Uniformity (PPU)	No
Ambient Light Compensation (ALC)	No
Backlight Output Stabilization (BLOS)	Yes
Maximum luminance	800 cd/m²
DICOM calibrated luminance	400 cd/m²
Contrast ratio (ULT off)	1400:1
Response time (Tr + Tf)	40 ms
Video input signals	DVI-D Dual Link, DisplayPort
USB ports	1 upstream (endpoint), 2 downstream
USB standard	2.0
Power consumption (nominal)	50W
Power save mode	Yes
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
Mounting standard	VESA (100 mm)
Screen protection	Protective, non-reflective glass cover
Recommended modalities	CT, MR, US, DR, CR, NM, Film
Certifications	CE0120 (MDD 93/42/EEC; A1:2007/47/EC class II b product), CE - 2004/108/EC, IEC 60950-1:2005 + A1:2009 (2ND 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

Technical specifications	Nio Color 3MP LED (MDNC-3321)
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
Warranty	5 years

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