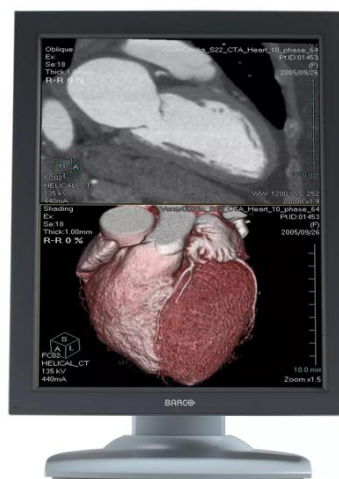
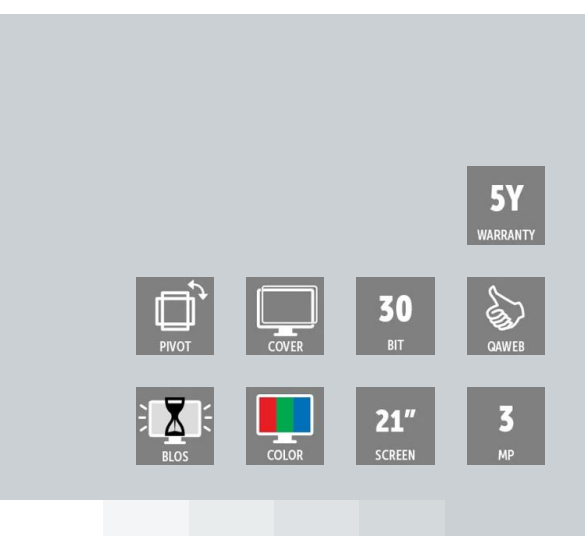


Nio Color 3MP HB (MDNC-3121)

3 MegaPixel high bright color display system



Nio Color 3MP is an industry-standard 3 MegaPixel color display system for dependable diagnostic viewing in high bright color. Nio Color 3MP 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 proven LCD technology, Nio Color 3MP delivers excellent brightness and contrast along with a wide viewing angle. It is your guarantee for confident color reading.

Nio at a glance

- Dependable, proven technology > Long-term confidence at an exceptional value
- Complete product line > Optimized solutions for various modalities
- Perfect color matching between displays > Identical image quality on every screen
- Individual auto-calibration to DICOM > Worry-free deployment
- High-speed image rendering > Maximum productivity
- Uniformity correction > Compliance to regional QA standards
- 5-year warranty > Worry-free diagnostics for many years

The Nio Color 3MP display system includes:

- A 3 MegaPixel color flat panel display
- MediCal QAWeb software for automated calibration and Quality Assurance
- A high-speed, high-performance display controller: check the compatibility matrix

Product specifications**NIO COLOR 3MP HB (MDNC-3121)**

General specifications	
Screen technology	TFT AM Color LCD IPS
Active screen size (diagonal)	541 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	3MP (2048 x 1536)
Pixel pitch	0.2115 mm
Color imaging	Yes
Gray imaging	Yes
Color support	30 bit
Viewing angle (H, V)	176°
Uniformity Technology	Yes
Per Pixel Uniformity (PPU)	No
Ambient Light Compensation (ALC)	No
Backlight Output Stabilization (BLOS)	Yes
I-Guard	No
Maximum luminance	800 cd/m ²
DICOM calibrated luminance (ULT off)	400 cd/m ²
Contrast ratio (ULT off)	750:1
Response time (Tr + Tf)	24 ms
Video input signals	DVI-D Dual Link
USB ports	1 upstream (endpoint), 2 downstream
USB standard	2.0
Power consumption (nominal)	72W
Power save mode	Yes
Dimensions with stand (W x H x D)	Portrait: 382 x 530~590 x 250 mm Landscape: 488 x 480~540 x 250 mm
Dimensions w/o stand (W x H x D)	Portrait: 382 x 488 x 115 mm Landscape: 488 x 382 x 115 mm
Net weight with stand	12.0 kg
Mounting standard	VESA (100 mm)
Screen protection	Protective, non-reflective PMMA cover
Recommended modalities	CT, MR, US, DR, CR, NM, Film
Certifications	UL 60601-1 1ST EDITION, CAN/CSA-C22.2 NO. 601.1-M90, IEC 60601-1 2ND ED:1988 + A1:1991 + A2:1995, IEC 60950-1:2001 2ND EDITION, CE -2004/108/EC, CE -93/42/EC, A1:2007/47/EC CLASS IIB, DEMKO -EN 60601-1, CCC -GB9254-2008 + GB4943-2001 + GB17625.1-2003, BSMI -CNS13438(95) + CNS14336(94), ICES-001 level B, KCC, VCCI, FCC class B, FDA 510, RoHs
Supplied accessories	Getting Started Guide Quick-Installation Sheet Video cable (DVI Dual Link) Main cables (UK, European (CEBEC/KEMA), USA (UL/CSA; adaptor plug NEMA 5-15P), Chinese (CCC)) USB 2.0 cable External power supply
Optional accessories	NA
QA software	MediCal QAWeb
Warranty	5 years

Last updated: 18 Mar 2024

© 2018 Barco nv. All rights reserved. Reproduction in whole or in part without written permission is prohibited. All brand names and product names are trademarks, registered trademarks or tradenames of their respective holders. Due to continued innovation, information and technical specifications are subject to change without prior notice. Please check www.barco.com for the latest specifications.