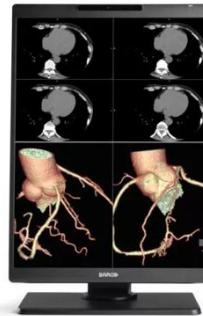


Nio Color 3MP (MDNC-3521)

Your 21" 3MP companion for general radiology today



- A trusted display with a long and stable lifetime
- A complete solution, up to speed with radiology today
- Intervention-free QA with QAWEB Enterprise
- A++ ecolabel thanks to high energy efficiency

Our Nio Color 3MP display is part of a range of modern radiology monitors that gives you what you need. No fluff, no overload of functionalities. But a sleek thin bezel design and just those tools and technologies that help you process cases effortlessly and efficiently.

A radiology monitor that fits your daily reading like a glove

Nio 3MP offers you exactly those tools that will make a difference. It boasts no less than 701 JNDs, so you can read detailed images with confidence. Its high luminance, I-Guard and Uniform Luminance technologies offer you a bright and stable screen quality. And the display also contains our SteadyColor and SteadyGray technologies for stable colors and grays. In any imaging modality.

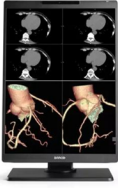
Clean desk, clear head

All of the above is built into an elegant design with thin bezels that fits both your hospital, and your home office desks. Moreover, you can rotate your Nio 3MP monitor between portrait and landscape format. Combine it in multi-head arrangements, two or three or four heads, neatly arranged in an arc embracing you.

A bright future

With Nio 3MP, you get a stable performance and a complete, industry-leading 5-year warranty that guarantees 20,000 backlight hours. Furthermore, our unique set of Intuitive Workflow Tools offers you a series of productivity hacks for more focus, flexibility and comfort. For example, did you know that SpotView has been proven to decrease reading time with no less than 15.5%? In short: you can rest easy with this young companion. For many years to come.

Always a clear view with QAWEB Enterprise



QAWeb Enterprise helps you manage quality and assure compliance of your expanding healthcare enterprise with less effort, lower cost, and complete confidence. This fully automated and secure system supports consistent image quality, stable performance and uptime for all PACS display systems across your enterprise. You can install QAWeb Enterprise for free on all our diagnostic and clinical review displays.

Ensuring diagnostic confidence with MDR Class IIa

Our radiology displays are MDR-certified as Class IIa. Their product information has been reviewed and cleared by independent medical and technical experts, and is audited yearly. In other words, we ensure diagnostic confidence and peace of mind for our users.

Please consult your Barco representative or distributor in your country or territory to confirm availability. A reference to any product or service on this site does not imply that such product is or will be available in your location.

Product specificaties**NIO COLOR 3MP (MDNC-3521)**

General specifications	
Scherntechnologie	IPS-SFT Color LCD
Actief schermformaat (diagonaal)	541 mm (21.3")
Formaat actief scherm (H x V)	433 x 325 mm (17.1 x 12.8")
Beeldverhouding (H:V)	4:3
Resolutie	3MP (2048 x 1536 pixels)
Pixelpitch	0.2115 mm
Beeldkleur	Yes
Grijsbeeldvorming	Yes
Bit depth	30 bit
Kijkhoek (H, V)	178°
Uniformity correction	ULT
SteadyGray	Yes (in MXRT display controller), when used as a system with MXRT display controller & QAWeb Enterprise
Steady Color	Yes (in MXRT display controller), when used as a system with MXRT display controller & QAWeb Enterprise
RapidFrame	Yes
I-Luminate	No
Voorgeprogrammeerde instellingen voor omgevingslicht	Yes, reading room selection
Ambient light sensor	Yes
Backlight Output Stabilization Technology (BLOS)	No
Voorsensor	Yes, I-Guard
Presence sensor	Yes
Maximale luminantie (paneel standaard)	1050 cd/m ²
DICOM-gekalibreerde luminescentie	600 cd/m ²
Contrastverhouding (paneel standaard)	2000:1
Reactietijd ((stijgtijd + valtijd)/2) (standaard)	12 ms (gray-to-gray average)
Kleur behuizing	Black (RAL 9004) / White (RAL 9003)
Video-ingangssignalen	2x DisplayPort 1.4
Video-uitgangssignalen	N/A
USB-poorten	2x USB-B 2.0 upstream (endpoint) 5x USB-A 2.0 downstream (of which 1 charge port)
KVM switch	Yes
Power rating	24 VDC, 4 A
Voedingsvereisten	This device shall only be powered by the medical approved power supply of Adapter Technology Co., Ltd., type ATM160T-P240. Ratings marked on the power supply: <ul style="list-style-type: none">■ Input: 100-240 VAC, 1.8-0.9 A, 50-60 Hz■ Output: 24 VDC, 6.6 A
Energieverbruik	45 W (nominal) < 0.35 W (hibernate) < 0.30 W (switched off)
Afmetingen met standaard (B x H x D)	Portrait: 351 x 531~631 x 225 mm Landscape: 491 x 462~562 x 225 mm

Product specificaties**NIO COLOR 3MP (MDNC-3521)**

Afmetingen zonder standaard (B x H x D)	Portrait: 351 x 491 x 64 mm Landscape: 491 x 351 x 64 mm
Afmetingen verpakt (B x H x D)	455 x 210 x 770 mm
Nettogewicht met standaard	MDNC-3521 xPxx: 8.8 kg MDNC-3521 xNxx: 7.7 kg
Nettogewicht zonder standaard	MDNC-3521 xPxx: 5.8 kg MDNC-3521 xNxx: 4.7 kg
Nettogewicht verpakt	MDNC-3521 xPxx: 12.2 kg (without optional accessories) MDNC-3521 xNxx: 11.2 kg (without optional accessories)
Kanteling	-10° to +30°
Zwenking	-30° to +30°
Roteren	90°
Hoogteregebereik	100 mm
Montagestandaard	VESA (100 mm)
Bescherming van het scherm	MDNC-3521 xPxx: Protective, anti-reflective front glass MDNC-3521 xNxx: N/A
Aanbevolen procedures	All digital images, except digital mammography
Certificeringen	CE0123 (Medical Device) FDA 510(k) K230520 CCC (China), KC (Korea), BSMI (Taiwan), INMETRO (Brazil -Product numbers K9300390A, K9300391A), BIS (India), EAC (Russia, Kazakhstan, Belarus, Armenia and Kyrgyzstan) Safety specific: <ul style="list-style-type: none"> ▪ IEC 60950-1:2005 + A1:2009 ▪ EN 60950-1:2006 + A1:2010 + A11:2009 + A12:2011 + A2:2013 ▪ IEC 62368-1:2018 ▪ EN IEC 62368-1:2020 ▪ IEC 60601-1:2005 + A1:2012 ▪ EN 60601-1:2006 + A1:2013 + A12:2014 ▪ ANSI/AAMI ES 60601-1:2005 + R1:2012 ▪ CAN/CSA C22.2 No. 60601-1:2014 EMI specific <ul style="list-style-type: none"> ▪ IEC 60601-1-2:2014 (ed4) ▪ EN 60601-1-2:2015 (ed4) ▪ FCC part 15 Class B ▪ ICES-001 Level B ▪ VCCI (Japan) (pending) Environmental: China Energy Label (pending), EU RoHS, China RoHS (pending), REACH, Canada Health, WEEE, Packaging Directive
Meegeleverde accessoires	<ul style="list-style-type: none"> ▪ User Guide ▪ Documentation disc ▪ System sheet ▪ Video cables ▪ Mains cable(s) ▪ USB cable ▪ External power supply
Optionele accessoires	Display controller
Software voor kwaliteitsgarantie	QAWeb
Garantie	5 years, including 20000 hours backlight warranty
Bedrijfstemperatuur	0 °C to 35 °C (20 °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: 12 Jan 2024

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