

# Nio Color 3MP (MDNC-3421CN)

3MP high-bright color display



- **Best image quality on the market for 3MP color**
- **Automated QA and calibration for stable DICOM images**
- **Fully-tested system solution**

Nio® Color 3MP is a 3 megapixel high-bright color display system with LED backlights, providing excellent image quality for confident diagnoses. Its exceptional brightness (calibrated at 500 cd/m<sup>2</sup>) helps you discern even the tiniest detail - even after many years of use.

### **The best 3MP color solution on the market**

The new Nio Color 3MP offers the best image quality in the market for a 3MP color solution. Its high brightness and high contrast ratio enable you to unveil even the subtlest details and make accurate diagnoses. With the integrated smart features, you can easily take control and improve your productivity.

SpotView™, for example, allows you to focus on an area of interest to unveil even more details. And with DimView™, any auxiliary displays can be automatically dimmed.

The Nio Color 3MP is also an excellent solution for radiologists who want to angle their desktop: it lets you choose your preferred viewing angle and offers highly ergonomic display configuration.

### **Stable image quality, durable investment**

Using Barco's integrated front sensor, the Nio Color 3MP works perfectly with Barco's online MediCal QAWeb solution for automated Quality Assurance and calibration. QAWeb guarantees stable DICOM images throughout the display's lifetime.

Thanks to the high-performance LED backlights, the Nio Color 3MP requires less power, even at higher calibrated luminance. This has a positive impact on both maintenance and operational costs.



### Ultimate peace of mind

Barco is the only company that provides complete system solutions, from display and controllers to workflow tools and calibration via QAWeb. All components are covered by our full 5-year warranty.

- 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 specificaties****NIO COLOR 3MP (MDNC-3421CN)**

General specifications	
Schermttechnologie	IPS
Actief schermformaat (diagonaal)	540 mm (21.3")
Formaat actief scherm (H x V)	433 x 325 mm (17.0 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°
Optical glass	MDNC-3421 (option CN): Yes MDNC-3421 (option CN NC): No
Uniformity correction	ULT
Voorgeprogrammeerde instellingen voor omgevingslicht	Yes, reading room selection
Voorsensor	Yes
Maximale luminantie (paneel standaard)	1000 cd/m <sup>2</sup>
DICOM-gekalibreerde luminescentie	500 cd/m <sup>2</sup>
Contrastverhouding (paneel standaard)	1400:1
Reactietijd ((stijgtijd + valtijd)/2) (standaard)	15 ms
Kleur behuizing	RAL 9003 / RAL 9004
Video-ingangssignalen	DVI-D Dual Link DisplayPort
USB-poorten	1x USB 2.0 upstream (endpoint) 3x USB 2.0 downstream
Power rating	24 VDC @ 4.58A, 5 VDC @ 0.5A
Voedingsvereisten	This device shall only be powered by the medical approved power supply of Sinpro Electronics, type CPU110-201 Ratings marked on the medical power supply: <ul style="list-style-type: none"><li>■ Input rating: 100–240 VAC, 1.5–0.6 A, 47–63 HZ</li><li>■ Output rating: 24 VDC, 4.58 A; 5 VDC, 0.5 A</li></ul>
Energieverbruik	50 W (nominal) < 0.5 W (hibernate) < 0.5 W (standby)
Afmetingen met standaard (B x H x D)	Portrait: 378 x 528~628 x 235 mm Landscape: 491 x 472~572 x 235 mm
Afmetingen zonder standaard (B x H x D)	Portrait: 378 x 491 x 84 mm Landscape: 491 x 378 x 84 mm
Afmetingen verpakt (B x H x D)	500 x 280 x 670 mm
Nettogewicht met standaard	MDNC-3421 (option CN): 11.5 kg MDNC-3421 (option CN NC): 10.2 kg
Nettogewicht zonder standaard	MDNC-3421 (option CN): 6.5 kg MDNC-3421 (option CN NC): 5.2 kg
Nettogewicht verpakt	MDNC-3421 (option CN): 15.6 kg (without accessories) MDNC-3421 (option CN NC): 14.3 kg (without accessories)
Kanteling	-10° to +30°

**Product specificaties****NIO COLOR 3MP (MDNC-3421CN)**

Zwenking	-45° to +45°
Roteren	90°
Hoogteregelsbereik	100 mm
Montagestandaard	VESA (100 mm)
Bescherming van het scherm	MDNC-3421 (option CN): Protective, anti-reflective glass cover MDNC-3421 (option CN NC): N/A
Aanbevolen procedures	All digital images, except digital mammography
Certificeringen	CCC GB92542008+ GB4943.12011+ GB17625.12003 China RoHS
Meegeleverde accessoires	User guide Documentation disc System disc Video cable (1 x DisplayPort) Mains cable (Chinese (CCC)) USB 2.0 cable External power supply
Optionele accessoires	Graphics board
Software voor kwaliteitsgarantie	MediCal QAWeb
Garantie	5 years, including 35000 hrs backlight warranty
Bedrijfstemperatuur	0 °C to 40 °C (15 °C to 35 °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

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