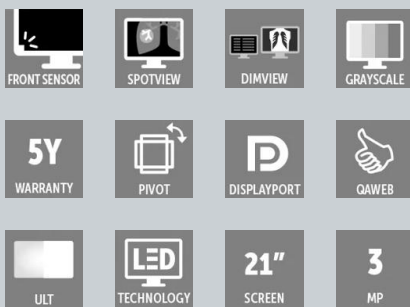


Nio 3MP (MDNG-3421CN)

3MP diagnostic grayscale display system



- High brightness to see more detail
- Automated Quality Assurance and calibration
- Fully-tested system solution

Nio® 3MP is ideal for high-quality imaging of diagnostic grayscale modalities. This display system comes with LED backlights for higher brightness and a unique front-of-screen sensor for excellent image quality at all times. These and other innovative features make your image look the best it can.

Confident reading

Equipped with high-bright LED backlights, Nio 3MP 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, calibrated at 500 cd/m², for confident diagnoses.

On-demand image quality checks

The front-of-screen sensor on Nio 3MP, 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.

Improved productivity

The Nio 3MP includes seamlessly integrated technologies and features to boost functionality and performance so 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.

An excellent investment

Using energy-efficient LED backlights, Nio 3MP 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.

- Front sensor and QAWeb for easy DICOM compliance
- High brightness unveils more details in the image
- Lowest cost of ownership

Product specificaties**NIO 3MP (MDNG-3421CN)**

General specifications	
Scherntechnologie	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	No
Grijsbeeldvorming	Yes
Bit depth	10 bit
Kijkhoek (H, V)	178°
Uniformity correction	ULT
Voorgeprogrammeerde instellingen voor omgevingslicht	Yes, reading room selection
Voorsensor	Yes
Maximale luminantie (paneel standaard)	2000 cd/m ²
DICOM-gekalibreerde luminescentie	500 cd/m ²
Contrastverhouding (paneel standaard)	1500:1
Reactietijd ((stijgtijd + valtijd)/2) (standaard)	14 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
KVM switch	No
Power rating	24 VDC @ 4.58A, 5 VDC @ 0.5A
Voedingsvereisten	This device shall only be powered by the following medical approved power supply: Sinpro Electronics, type CPU110-201 Ratings marked on the medical power supply: <ul style="list-style-type: none">■ Input rating: 100-240 VAC, 1.5 A, 47-63 Hz■ Output rating: 24 VDC, 4.58 A
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	MDNG-3421 (option CN): 11.3 kg MDNG-3421 (option CN NC): 10.0 kg
Nettogewicht zonder standaard	MDNG-3421 (option CN): 6.3 kg MDNG-3421 (option CN NC): 5.0 kg
Nettogewicht verpakt	MDNG-3421 (option CN): 15.4 kg (without accessories) MDNG-3421 (option CN NC): 14.1 kg (without accessories)
Kanteling	-10° to +30°

Product specificaties**NIO 3MP (MDNG-3421CN)**

Zwenking	-45° to +45°
Roteren	90°
Hoogteregelsbereik	100 mm
Montagestandaard	VESA (100 mm)
Bescherming van het scherm	MDNG-3421 (option CN): Protective, anti-reflective glass cover MDNG-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 45000 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

Laatst bijgewerkt: 18 Mar 2024

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