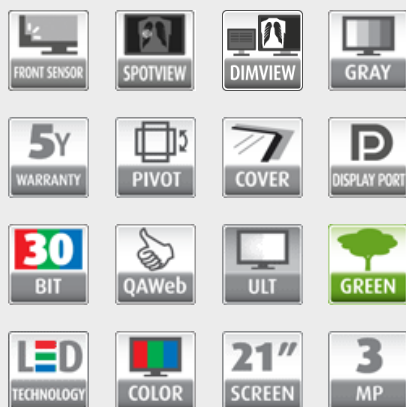


# Nio Color 3MP (MDNC-3421)

3MP high-bright color display



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.
- By default, Barco displays are equipped with a protective cover to safeguard your investment.
- 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.

**BARCO**

Visibly yours

# Nio Color 3MP (MDNC-3421)

3MP high-bright color display



## 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.
- At product release, Barco extensively tests the displays compatibility with all major PACS applications.



**Product specifications****Nio Color 3MP (MDNC-3421)**

<b>Screen technology</b>	IPS-TFT Color LCD
<b>Active screen size (diagonal)</b>	540 mm (21.3")
<b>Active screen size (H x V)</b>	432 x 324 mm (17.0 x 12.8")
<b>Aspect ratio (H:V)</b>	4:3
<b>Resolution</b>	3MP (2048 x 1536 pixels)
<b>Pixel pitch</b>	0.2109 mm
<b>Color imaging</b>	Yes
<b>Gray imaging</b>	Yes
<b>Bit depth</b>	30 bit
<b>Viewing angle (H, V)</b>	178°
<b>Uniform Luminance Technology (ULT)</b>	Color PZU
<b>Ambient Light Compensation (ALC)</b>	Yes, reading room selection
<b>Backlight Output Stabilization (BLOS)</b>	No
<b>Front sensor</b>	Yes
<b>Maximum luminance (panel typical)</b>	900 cd/m <sup>2</sup>
<b>DICOM calibrated luminance</b>	500 cd/m <sup>2</sup>
<b>Contrast ratio (panel typical)</b>	1400:1
<b>Response time (Tr + Tf) (typical)</b>	20 ms
<b>Housing color</b>	RAL 9003 / RAL 9004
<b>Video input signals</b>	DVI-D Dual Link DisplayPort
<b>USB ports</b>	1x USB 2.0 upstream (endpoint) 2x USB 2.0 downstream
<b>Power requirements</b>	External power supply (100-240 Vac, 47-63 Hz)
<b>Power consumption</b>	50 W (nominal) < 0.5 W (standby)
<b>OSD languages</b>	English, German, French, Dutch, Spanish, Italian, Portuguese, Polish, Russian, Swedish, Chinese (simplified), Japanese, Korean, Arabic
<b>Dimensions with stand (W x H x D)</b>	Portrait: 378 x 528~628 x 235 mm Landscape: 491 x 472~572 x 235 mm
<b>Dimensions w/o stand (W x H x D)</b>	Portrait: 378 x 491 x 84 mm Landscape: 491 x 378 x 84 mm
<b>Dimensions packaged (W x H x D)</b>	500 x 280 x 670 mm
<b>Net weight with stand</b>	11.2 kg
<b>Net weight w/o stand</b>	6.2 kg
<b>Net weight packaged</b>	15.7 kg (without accessories)
<b>Tilt</b>	-10° to +30°
<b>Swivel</b>	-45° to +45°
<b>Pivot</b>	90°
<b>Height adjustment range</b>	100 mm
<b>Mounting standard</b>	VESA (100 mm)
<b>Screen protection</b>	Protective, anti-reflective glass cover
<b>Recommended modalities</b>	All digital images, except digital mammography
<b>Certifications</b>	CE0120 (MDD 93/42/EEC; A1:2007/47/EC class IIb product), CE 2014/30/EU, CE93/42/EEC; A1:2007/47/EC class II b, IEC 609501:2005 + A1:2009 (2NDEDITION), IEC 606011:2005 + C1:2006 + C2:2007 + A1:2012, ANSI/AAMI ES606011:2005 + C1:2009 + R1:2012, CAN/CSAC22.2No. 606011:2014, DEMKO EN606011:2006 + A11:2011 + A12:2014 + A1: 2013, EN 6060112:2007, CCC GB92542008+ GB4943.12011+ GB17625.12003,KC, VCCI, FCC class B, ICES001Level B, FDA 510(k), RoHS

**Product specifications****Nio Color 3MP (MDNC-3421)**

<b>Supplied accessories</b>	User guide Documentation disc System disc Video cable (1 x DisplayPort) Mains cables (UK, European (CEBEC/KEMA), USA (UL/CSA; adaptor plug NEMA515P), Chinese (CCC)) USB 2.0 cable External power supply
<b>Optional accessories</b>	Graphics board
<b>QA software</b>	MediCal QAWeb
<b>Warranty</b>	5 years, including 20000 hrs backlight warranty
<b>Operating temperature</b>	0 °C to 40 °C (15 °C to 35 °C within specs)
<b>Storage temperature</b>	-20 °C to 60 °C
<b>Operating humidity</b>	8% to 80% (non-condensing)
<b>Storage humidity</b>	5% to 85% (non-condensing)
<b>Operating pressure</b>	70 kPa minimum
<b>Storage pressure</b>	50 to 106 kPa