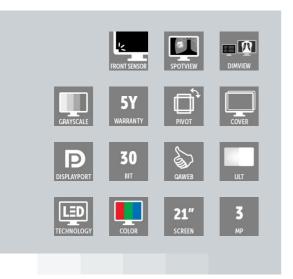
# Nio Color 3MP (MDNC-3421)

3MP high-bright color display





- Best image quality on the market for 3MP color
- Automated Quality
   Assurance and calibration for stable DICOM images
- Fully-tested system solution from a single source, for ultimate peace of mind

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/m2) 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. With the integrated smart features, you can easily take control and improve your productivity. SpotViewTM, for example, allows you to focus on an area of interest to unveil even more details. And with DimViewTM, 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 QAWeb Enterprise solution for automated Quality Assurance and calibration. QAWeb Enterprise 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.

#### Ultimate peace of mind

Barco is the only company that provides complete system solutions, from



Nio Color 3MP (MDNC-3421)



display and controllers to workflow tools and calibration via QAWeb Enterprise. All components are covered by our full 5-year warranty. At product release, Barco extensively tests the displays compatibility with all major PACS applications.

#### **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.

- High-bright and power-efficient LED backlights
- Accurate grayscale and color rendering
- Front sensor and QAWeb Enterprise for easy DICOM conformance
- High-performance 3D rendering with full 3D, OpenGL and DirectX support

## **Product specifications**

## NIO COLOR 3MP (MDNC-3421)

Concent betwonbodgy         IPS-FTT Coor ILCD           Active screen size (Isligonal)         540 mm (PL 5)           Active screen size (Isl x VI)         452 x 324 mm (PT 0 x 12 PT)           Appect atto (HxV)         45           Appect atto (HxV)         45           Appect atto (HxV)         45           Pixel pitch         020 pm           Color Imaging         Yes           Coral yinging         Yes           Bit depth         30 bit           Uniformity correction         ULT           Ambient light present         Yes, reading prom selection           Backlight Output Sabilization (BLOS)         No           Front sensor         Yes           Maximum luminance (panel typical)         900 cd/m²           DICOM calibrated luminance         900 cd/m²           Reaponse time (Tr + Tr) (typical)         20 ms           Reaponse time (Tr + Tr) (typical)         20 ms           Video input signats         DV-D Dus (Imik)           Power rating         24 VDC, 4 A           Power rating         24 VDC, 4 A           Power requirements         24 VDC, 4 A           Power consumption         25 VW R 20 upstratem lendpoint)           Resipa marked on the medical power supply:		0020110111 (1.12110 0.122)
Active screen size (diagonal)         \$40 mm (21.3°)           Active screen size (H x V)         422 x 324 mm (17.0 x 12.8°)           Aspect ratio (H-V)         4.3           Aspect ratio (H-V)         4.3           Aspect ratio (H-V)         4.9           Pixel pitch         0.2100 mm           Color imaging         Yes           Gray imaging         Yes           If depth         30 bit           Viewing angle (H, V)         178°           Uniformity correction         U.T           Ambient light presets         Yes, reading room selection           Backlight Output Stabilization (BLOS)         No           Front sensor         Yes           Maximum luminance (panel typical)         900 calm²           DICOM calibrated luminance         900 calm²           Contrast ratio (panel typical)         14001           Housing color         RAI 9003 / RAI 9004           Video input signals         DIVED Dual Link           Division put signals         DIVED Dual Link           Use port         14 VSS 2.0 upoxeem tempornti           36 LSS 2.10 aboverstream         24 VSC 4.A           Power ratio         24 VSC 4.A           Power requirements         This cavice shall criy be abovered by the fo	General specifications	
Active screen size (H x V)         452 x 524 mm II/TO x 12.87)           Aspect atto (H:V)         45           Resolution         3MP (208 x 1336 pixels)           Pixel pitch         0.200 mm           Color imaging         Yes           Gray imaging         Yes           Bit depth         30 bit           Uniformity correction         IIT           Ambient light presets         Yes, reading poors selection           Backlight Output Sabilization (BLOS)         No           Maximum luminance (panel typical)         900 cd/m²           DiCOM calibrated luminance         500 cd/m²           Contrast ratio (panel typical)         20 ms           Housing color         ARA, 9003 / RAL 9004           Video input signals         DVP D Dual Link           Usb ports         1x USB 2.0 upstream (endpoint)           SW S 2.0 upstream (endpoint)         3x USB 2.0 upstream (endpoint)           SW S 2.0 upstream (endpoint)         3x USB 2.0 upstream (endpoint)           SW S 2.0 upstream (endpoint)         3x USB 2.0 upstream (endpoint)           SW S 2.0 upstream (endpoint)         3x USB 2.0 upstream (endpoint)           SW S 2.0 upstream (endpoint)         3x USB 2.0 upstream (endpoint)           SW S 2.0 upstream (endpoint)         3x USB 2.0 upstream (endpoint) <th>Screen technology</th> <th>IPS-TFT Color LCD</th>	Screen technology	IPS-TFT Color LCD
Aspect ratio (H/V)         4.3           Resolution         3MF (2048 x 1536 pixels)           Pixel pitch         0.2100 mm           Color imaging         Yes           Gray imaging         Yes           Bit depth         30 bit           Viewing angle (H, V)         178°           Uniformity correction         ULT           Ambient light presets         Yes, reading room selection           Backlight Output Stabilization (BLOS)         No           Front sensor         Yes           Maximum luminance (panel typical)         900 cd/m²           DICOM calibrated luminance         500 cd/m²           Contrast ratio (panel typical)         4400.1           Response time (Tr + Tr) (typical)         20 ms           Response time (Tr + Tr) (typical)         20 ms           Video input signals         DIVID Dual Link           Vision protestime (Tr + Tr) (typical)         20 ms           Power rating         24 VDC, 4 A           Power rating         24 VDC, 4 A           Power rating         25 VDC, 4 A           Power rousumption         50 W Inominal; - 0.5 W (stantidy)           Dimensions with stand (W x H x D)         Portrait 378 x 528 -628 x 255 mm           Dimensions with stand (W x H x D)	Active screen size (diagonal)	540 mm (21.3")
Resolution         3MP (2048 x 1536 pixeld)           Pixet pitch         0 2109 mm           Color inading         Yes           Gray imaging         Yes           Bit depth         3D bit           Viewing angle (H, V)         178°           Uniformity correction         UTT           Ambient light presets         Yes reading from selection           Backlight Output Stabilization (BLOS)         No           Front sensor         Yes           Backlight Output Stabilization (BLOS)         No           Ambient light presets         Yes reading from selection           Backlight Output Stabilization (BLOS)         No           Maximum luminance (panel typical)         Yes           Maximum luminance (panel typical)         9000 cd/m²           Contract ratio (panel typical)         1400-1           Response time (Tr + TT) (typical)         1400-1           Response time (Tr + TT) (typical)         20 ms           USB ports         358 2.0 downstream           Video input signals         20 Ms 903 / RAL 9004           Use input signals         20 Ms 903 / RAL 9004           Use Power rating         24 VDC, 4           Power rating         24 VDC, 4 A           Power requirements         20 Ms	Active screen size (H x V)	432 x 324 mm (17.0 x 12.8")
Pixel pitch         0.2109 mm           Color imaging         Yes           Gray imaging         Yes           Bit depth         30 bit           Usewing angle (H. V)         178°           Uniformity correction         U.T           Ambient light presets         Yes, reading room selection           Backlight Output Stabilization (BLOS)         No           Front sensor         Yes           Maximum luminance (panel typical)         900 cd/m²           Contrast ratio (panel typical)         1400-1           Response time (Tr + T7) (typical)         20 ms           Response time (Tr + T7) (typical)         20 ms           Use oinput signals         DVI-D Dual Link DisplayPort           UsB ports         34 USS 2.0 usprate (endpoint) 35 USS 2.0 downstream           Power rating         24 VDC, 4           Power requirements         This service shall only be powered by the following medical approved power supply: Singro Electronics, lype CP-UID 201 Supply (Singro Electronics, lype CP-UID 201 Supply (	Aspect ratio (H:V)	4.3
Cotor imaging         Yes           Gray imaging         Yes           Bit depth         30 bit           Viewing angle (H, V)         178°           Uniformity correction         ULT           Ambient light presets         Yes, reading room selection           Backlight Output Stabilization (BLOS)         No           Front sensor         Yes           Maximum luminance (panel typical)         900 cd/m²           DICOM calibrated luminance         500 cd/m²           Contrast ratio (panel typical)         400·1           Response time (Tr + Tf) (typical)         20 ms           Housing color         RAL 9003 / RAL 9004           Video input signals         DVI-D Dual Link pipsia/Port           USB ports         3x USB 2.0 upstream (endpoint) styles of the present supply:	Resolution	3MP (2048 x 1536 pixels)
Gray Imaging         Yes           Bit depth         30 bit           Viewing angle (H, V)         178°           Uniformity correction         ULT           Ambient light presets         Yes, reading room selection           Backlight Output Stabilization (BLOS)         No           Front sensor         Yes           Maximum luminance (panet typical)         900 cd/m²           DICOM calibrated luminance         500 cd/m²           Contrast ratio (panet typical)         1409-1           Response time (Tr + TI) (typical)         20 ms           Housing color         RAL 9003 / RAL 9004           Video input signals         DIVI-D Dual Link Display/Fort           USB ports         1x USB 2 d upstream (endpoint) 3x USB 2 d downstream           Power rating         24 VDC, 4 A           Power requirements         This device shall only be powered by the following medical approved power supply. Sinpro Electronics, type CPUIID-201           Sinpro Electronics, type CPUIID-201         Saltings marked on the medical power supply. In put rating: 100-240 VAC, 15 A 47-65 Hz           Power consumption         50 W (nominal) < 0.5 W (standby)	Pixel pitch	0.2109 mm
Bit depth   30 bit	Color imaging	Yes
Viewing angle (H, V)         178°           Uniformity correction         ULT           Ambient light presets         Yes, reading room selection           Backlight Output Stabilization (BLOS)         No           Front sensor         Yes           Maximum luminance (panel typical)         900 ca/m²           DICOM calibrated luminance         500 cd/m²           Contrast ratio (panel typical)         1400 1           Response time (Tr + Tr) (typical)         20 ms           Housing color         RAL 9003 / RAL 9004           Video input signals         DVI-D Dual Link DisplayPort           USB ports         3x USB 2.0 upstream (endpoint) 3x USB 2.0 downstream           Power rating         24 VDC. 4 A           Power requirements         This device shall only be powered by the following medical approved power supply: Sproof Diectronics, type CPUIID-201 Relating marked an two medical power supply: Include on the me	Gray imaging	Yes
Uniformity correction         ULT           Ambient light presets         Yes, reading room selection           Backlight Output Stabilization (BLOS)         No           Front sensor         Yes           Maximum luminance (panel typical)         900 cd/m²           DICOM calibrated luminance         500 cd/m²           Contrast ratio (panel typical)         1400:1           Response time (Tr + Tf) (typical)         20 ms           Housing color         RAL 9003 / RAL 9004           Video input signals         DV-D Dual Link DisplayFort           USB ports         1x USB 2.0 upstream (endpoint) 3x USB 2.0 downstream           Power rating         24 VDC. 4 A           Power requirements         This device shall only be powered by the following medical approved power supply: Singer Effectivenies, type CPU110-201           Ratings marked on the medical power supply: Input rating 100-240 VMC, 438 A           Power consumption         30 Upon (rating 24 VDC, 4.38 A           Dimensions with stand (W x H x D)         Portrait: 378 x 528-628 x 235 mm Landscape: 491 x 472-572 x 235 mm           Dimensions packaged (W x H x D)         500 x 280 x 270 mm           Net weight with stand         With protective cover: 10, Fig           Net weight work stand         With protective cover: 10, Fig         With pour potentive cover: 10, Fig (without accessories) </th <th>Bit depth</th> <th>30 bit</th>	Bit depth	30 bit
Ambient light presets         Yes, reading room selection           Backlight Output Stabilization (BLOS)         No           Front sensor         Yes           Maximum luminance (panel typical)         900 cd/m²           DICOM calibrated luminance         500 cd/m²           Contrast ratio (panel typical)         1400 1           Response time (Tr + Tf) (typical)         20 ms           Housing color         RAL 9003 / RAL 9004           Video input signals         DVFD Dual Link DisplayPort           USB ports         1x USB 2.0 upstream (endpoint) 3x USB 2.0 downstream           Power rating         24 VDC. 4.A           Power requirements         This device shall only be powered by the following medical approved power supply: **Input rating 100-240 VAC, 1.5 A, 47-63 Hz           Power consumption         50 W (nominal) **2.0 V (put rating) 24 VDC, 4.5 B A           Power consumption         50 W (nominal) **2.0 V (put rating) 24 VDC, 4.5 B A           Power consumption         50 W (nominal) **2.0 V (put rating) 24 VDC, 4.5 B A           Power substituted (W x H x D)         Portrait: 378 x 528-628 x 235 mm Landscape: 491 x 378 x 84 mm Landscape: 491 x 3	Viewing angle (H, V)	178°
Backlight Output Stabilization (BLOS)         No           Front sensor         Yes           Maximum luminance (panel typical)         900 cd/m²           DICOM calibrated luminance         500 cd/m²           Contrast ratio (panel typical)         1400.1           Response time (Tr + Tf) (typical)         20 ms           Housing color         RAL 9003 / RAL 9004           Video input signals         DVI-D Dual Link DisplayPort           USB ports         1x USB 2.0 upstream (endpoint) 3x USB 2.0 downstream           Power rating         24 VDC, 4.A           Power requirements         This device shall only be powered by the following medical approved power supply:	Uniformity correction	ULT
Front sensor  Yes  Maximum luminance (panel typical)  DICOM calibrated luminance  500 cal/m²  Contrast ratio (panel typical)  1400.1  Response time (Tr + Tf) (typical)  Housing color  RAL 9003 / RAL 9004  Video input signals  DiPi-D Dual Link DisplayPort  USB ports  1x USB 2.0 upstream (endpoint) 3x USB 2.0 downstream  Power rating  24 VDC, 4 A  Power requirements  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: Input rating: 100-240 VAC, 1.5 A, 47-63 Hz Output rating: 24 VDC, 4.58 A  Power consumption  50 W (nominal) < 0.5 W (standby)  Dimensions with stand (W x H x D)  Portrait: 378 x 528-628 x 235 mm Landscape. 491 x 472-572 x 235 mm  Dimensions packaged (W x H x D)  Portrait: 378 x 491 x 84 mm Landscape. 491 x 378 x 84 mm Landscape. 491 x 472-572 x 235 mm  Net weight with stand  With protective cover: 112 kg Without protective cover: 112 kg Without protective cover: 107 kg  Net weight w/o stand  With protective cover: 1.57 kg (without accessories) Without protective cover: 1.57 kg (without accessories) Without protective cover: 1.52 kg (without accessories)  Titt  100 100 100 100 100 100 100 100 100 10	Ambient light presets	Yes, reading room selection
Maximum luminance (panel typical)         900 cd/m²           DICOM calibrated luminance         500 cd/m²           Contrast ratio (panel typical)         1400.1           Response time (Tr + Tf) (typical)         20 ms           Housing color         RAL 9003 / RAL 9004           Video input signals         DVI-D Dual Link DisplayPort           USB ports         1x USB 2.0 upstream (endpoint) 3x USB 2.0 downstream           Power rating         24 VDC, 4.A           Power requirements         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: In Input rating: 100-240 VAC, 15.A, 47-63 Hz           Power consumption         50 W (nominal) < 0.5 W (standby)           Power consumption         50 W (nominal) < 0.5 W (standby)           Dimensions with stand (W x H x D)         Portrait: 378 x 528-628 x 235 mm Landscape: 491 x 372-572 x 235 mm           Dimensions packaged (W x H x D)         Portrait: 378 x 491 x 84 mm Landscape: 491 x 378 x 84 mm           Dimensions packaged (W x H x D)         50 x 280 x 670 mm           Net weight with stand         With protective cover: 12 kg Without protective cover: 10 Rg           With protective cover: 5.7 kg         With protective cover: 5.7 kg (without accessories)           Net weight packaged         With protective cover: 15.2 kg (without accessories)	Backlight Output Stabilization (BLOS)	No
DICOM calibrated luminance 500 cd/m²  Contrast ratio (panel typical) 1400.1  Response time (Tr + Tr) (typical) 20 ms  Housing color RAL 9003 / RAL 9004  Video input signals DVI-D Dual Link DisplayPort  USB ports 1x USB 2.0 upstream (endpoint) 3x USB 2.0 downstream  Power rating 24 VDC, 4 A  Power requirements This device shall only be powered by the following medical approved power supply: Sinpro Electronics, type CPUIID-201 Ratings marked on the medical power supply: Input rating: 24 VDC, 4.5 A 47–63 Hz Output rating: 24 VDC, 4.58 A  Power consumption 50 W (nominal) <ul> <li>&lt; 0.5 W (standby)</li> </ul> Dimensions with stand (W x H x D) Portrait: 378 x 528–628 x 235 mm Landscape: 491 x 378 x 91 x 84 mm Landscape: 491 x 472–572 x 235 mm Dimensions packaged (W x H x D) 500 x 280 x 670 mm  Net weight with stand With protective cover: 11.2 kg Without protective cover: 10.7 kg  Net weight w/o stand With protective cover: 10.7 kg  With protective cover: 5.7 kg (without accessories) Without protective cover: 15.7 kg (without accessories) Without protective cover: 15.7 kg (without accessories) Without protective cover: 15.7 kg (without accessories)	Front sensor	Yes
Contrast ratio (panel typical)     1400.1       Response time (Tr + Tf) (typical)     20 ms       Housing color     RAL 9003 / RAL 9004       Video input signals     DVI-D Dual Link DisplayPort       USB ports     1x USB 2.0 upstream (endpoint) 3x USB 2.0 downstream       Power rating     24 VDC, 4 A       Power requirements     Singro Electronics, type CPU110-201 Ratings marked on the medical power supply: <ul> <li>Input rating: 100-240 VAC, 15 A, 47-63 Hz</li> <li>Output rating: 24 VDC, 4.58 A</li> </ul> Power consumption     50 W (nominall < 0.5 W (standby)           Dimensions with stand (W x H x D)         Portrait: 378 x 528-628 x 235 mm Landscape: 491 x 472-572 x 235 mm           Dimensions w/o stand (W x H x D)         Portrait: 378 x 941 x 84 mm           Dimensions packaged (W x H x D)         500 x 280 x 670 mm           Net weight with stand         With protective cover: 11.2 kg Without protective cover: 10.7 kg           Net weight w/o stand         With protective cover: 5.7 kg (without accessories) Without protective cover: 15.2 kg (without accessories)           Tit         -10° to +30°	Maximum luminance (panel typical)	900 cd/m²
Response time (Tr + Tr) (typical)  Housing color  RAL 9003 / RAL 9004  Video input signals  DVI-D Dual Link DisplayPort  Ix USB 20 upstream (endpoint) 3x USB 2.0 downstream  Power rating  24 VDC, 4 A  Power requirements  Ratings marked on the medical power supply: Input rating: 100-240 VAC, 15 A, 47-63 Hz Output rating: 24 VDC, 45 BA  Power consumption  50 W (nominal) < 0.5 W (standby)  Dimensions with stand (W x H x D)  Portrait: 378 x 528-628 x 235 mm Landscape: 491 x 472-572 x 235 mm  Dimensions w/o stand (W x H x D)  Dimensions packaged (W x H x D)  Divensions packaged (W x H x D)  With protective cover: 11.2 kg Without protective cover: 10.7 kg  Net weight w/o stand  With protective cover: 5.7 kg  With protective cover: 5.7 kg  Without protective cover: 15.2 kg (without accessories)  Titt  -10° to +30°	DICOM calibrated luminance	500 cd/m²
Housing color  RAL 9003 / RAL 9004  Video input signals  DVI-D Dual Link DisplayPort  1x USB 2.0 upstream (endpoint) 3x USB 2.0 downstream  Power rating  24 VDC, 4 A  Power requirements  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: Input rating: 100-240 VAC, 15 A, 47-63 Hz  Output rating: 24 VDC, 458 A  Power consumption  So W (nominal)  Oit (standby)  Dimensions with stand (W x H x D)  Portrait: 378 x 528-628 x 235 mm Landscape: 491 x 472-572 x 235 mm  Dimensions w/o stand (W x H x D)  Portrait: 378 x 491 x 84 mm Landscape: 491 x 378 x 84 mm Landscape: 491 x 378 x 84 mm  Dimensions packaged (W x H x D)  Net weight with stand  With protective cover: 11.2 kg Without protective cover: 10.7 kg  Net weight w/o stand  With protective cover: 6.2 kg Without protective cover: 5.7 kg  With protective cover: 5.7 kg (without accessories) Without protective cover: 15.2 kg (without accessories) Without protective cover: 15.2 kg (without accessories) Without protective cover: 15.2 kg (without accessories)	Contrast ratio (panel typical)	1400:1
Video input signals       DVI-D Dual Link DisplayPort         USB ports       1x USB 2.0 upstream (endpoint) 3x USB 2.0 downstream         Power rating       24 VDC, 4 A         Power requirements       This device shall only be powered by the following medical approved power supply: Sinpro Electronics, type CPUI10-201 Ratings marked on the medical power supply: Input rating: 100-240 VAC, 1.5 A, 47-63 Hz         Power consumption       50 W (nominal)          Power consumption       50 W (nominal)          0.50 W (standby)       Portrait: 378 x 528-628 x 235 mm Landscape: 491 x 472-572 x 235 mm         Dimensions w/o stand (W x H x D)       Portrait: 378 x 491 x 84 mm Landscape: 491 x 378 x 84 mm         Dimensions packaged (W x H x D)       500 x 280 x 670 mm         Net weight with stand       With protective cover: 11.2 kg Without protective cover: 10.7 kg         Net weight w/o stand       With protective cover: 6.2 kg Without protective cover: 5.7 kg (without accessories)         Net weight packaged       With protective cover: 15.7 kg (without accessories)         Without protective cover: 15.2 kg (without accessories)         Without protective cover: 15.2 kg (without accessories)	Response time (Tr + Tf) (typical)	20 ms
DisplayPort  1x USB 2.0 upstream (endpoint) 3x USB 2.0 downstream  24 VDC, 4 A  Power requirements  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: Input rating: 100-240 VAC, 1.5 A, 47-63 Hz Output rating: 24 VDC, 4.58 A  Power consumption  50 W (nominal) < 0.5 W (standby)  Portrait: 378 x 528-628 x 235 mm Landscape: 491 x 472-572 x 235 mm  Dimensions w/o stand (W x H x D)  Portrait: 378 x 491 x 84 mm Landscape: 491 x 378 x 84 mm  Dimensions packaged (W x H x D)  Soo x 280 x 670 mm  Net weight with stand  With protective cover: 10.7 kg  Net weight w/o stand  With protective cover: 6.2 kg Without protective cover: 5.7 kg (without accessories) Without protective cover: 15.2 kg (without accessories) Without protective cover: 15.2 kg (without accessories)	Housing color	RAL 9003 / RAL 9004
Power rating 24 VDC, 4 A  Power requirements 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:  □ Input rating: 100-240 VAC, 1.5 A, 47-63 Hz □ Output rating: 24 VDC, 4.58 A  Power consumption 50 W (nominal) □ 0.5 W (standby)  Dimensions with stand (W x H x D) Portrait: 378 x 528-628 x 235 mm Landscape: 491 x 472-572 x 235 mm  Dimensions w/o stand (W x H x D) Portrait: 378 x 491 x 84 mm Landscape: 491 x 378 x 84 mm Landscape: 491 x 378 x 84 mm  Dimensions packaged (W x H x D) 500 x 280 x 670 mm  Net weight with stand With protective cover: 11.2 kg Without protective cover: 10.7 kg  Net weight w/o stand With protective cover: 5.7 kg  Net weight packaged With packaged Without protective cover: 15.2 kg (without accessories) Without protective cover: 15.2 kg (without accessories) Without protective cover: 15.2 kg (without accessories) Titt -10° to +30°	Video input signals	
Power requirements       This device shall only be powered by the following medical approved power supply: Sinpro Electronics, type CPUI10-201 Ratings marked on the medical power supply: <ul> <li>Input rating: 100-240 VAC, 1.5 A, 47-63 Hz</li> <li>Output rating: 24 VDC, 4.58 A</li> </ul> Power consumption     50 W (nominal)          < 0.5 W (standby)         Dimensions with stand (W x H x D)       Portrait: 378 x 528~628 x 235 mm Landscape: 491 x 472~572 x 235 mm         Dimensions w/o stand (W x H x D)       Portrait: 378 x 491 x 84 mm Landscape: 491 x 378 x 84 mm         Dimensions packaged (W x H x D)       500 x 280 x 670 mm         Net weight with stand       With protective cover: 11.2 kg Without protective cover: 10.7 kg         Net weight w/o stand       With protective cover: 6.2 kg Without protective cover: 5.7 kg (without accessories)         Net weight packaged       With protective cover: 15.7 kg (without accessories)         Tilt       -10° to +30°	USB ports	
Sinpro Electronics, type CPU110-201 Ratings marked on the medical power supply:  Input rating: 100-240 VAC, 1.5 A, 47-63 Hz Output rating: 24 VDC, 4.58 A  Power consumption  50 W (nominal) < 0.5 W (standby)  Dimensions with stand (W x H x D) Portrait: 378 x 528-628 x 235 mm Landscape: 491 x 472-572 x 235 mm  Dimensions w/o stand (W x H x D) Portrait: 378 x 491 x 491 mm Landscape: 491 x 378 x 84 mm Landscape: 491 x 378 x 84 mm  Dimensions packaged (W x H x D) Soo x 280 x 670 mm  Net weight with stand With protective cover: 11.2 kg Without protective cover: 10.7 kg  Net weight w/o stand With protective cover: 5.7 kg Without protective cover: 5.7 kg (without accessories) With protective cover: 15.2 kg (without accessories) Tilt -10° to +30°	Power rating	24 VDC, 4 A
County	Power requirements	Sinpro Electronics, type CPU110-201 Ratings marked on the medical power supply: Input rating: 100-240 VAC, 1.5 A, 47-63 Hz
Landscape: 491 x 472~572 x 235 mm  Dimensions w/o stand (W x H x D) Portrait: 378 x 491 x 84 mm Landscape: 491 x 378 x 84 mm  Dimensions packaged (W x H x D) Soo x 280 x 670 mm  Net weight with stand With protective cover: 11.2 kg Without protective cover: 10.7 kg  Net weight w/o stand With protective cover: 6.2 kg Without protective cover: 5.7 kg  Net weight packaged With protective cover: 15.7 kg (without accessories) Without protective cover: 15.2 kg (without accessories) Tilt -10° to +30°	Power consumption	
Landscape: 491 x 378 x 84 mm  Dimensions packaged (W x H x D)  Net weight with stand  With protective cover: 11.2 kg Without protective cover: 10.7 kg  Net weight w/o stand  With protective cover: 6.2 kg Without protective cover: 5.7 kg  Net weight packaged  With protective cover: 15.7 kg (without accessories) Without protective cover: 15.2 kg (without accessories)  Tilt  -10° to +30°	Dimensions with stand (W x H x D)	
Net weight with stand       With protective cover: 11.2 kg         Without protective cover: 10.7 kg         Net weight w/o stand       With protective cover: 6.2 kg         Without protective cover: 5.7 kg         Net weight packaged       With protective cover: 15.7 kg (without accessories)         Without protective cover: 15.2 kg (without accessories)         Tilt       -10° to +30°	Dimensions w/o stand (W x H x D)	
Without protective cover: 10.7 kg  Net weight w/o stand  With protective cover: 6.2 kg Without protective cover: 5.7 kg  Net weight packaged  With protective cover: 15.7 kg (without accessories) Without protective cover: 15.2 kg (without accessories)  Tilt  -10° to +30°	Dimensions packaged (W x H x D)	500 x 280 x 670 mm
Without protective cover: 5.7 kg  Net weight packaged With protective cover: 15.7 kg (without accessories) Without protective cover: 15.2 kg (without accessories)  Tilt -10° to +30°	Net weight with stand	
Without protective cover: 15.2 kg (without accessories)  Tilt -10° to +30°	Net weight w/o stand	
	Net weight packaged	
Swivel -45° to +45°	Tilt	-10° to +30°
	Swivel	-45° to +45°

Product specifications	NIO COLOR 3MP (MDNC-3421)
Pivot	90°
Height adjustment range	100 mm
Mounting standard	VESA (100 mm)
Screen protection	Protective, anti-reflective glass cover (optional)
Recommended modalities	All digital images, except digital mammography
Certifications  Supplied accessories	CE0123 (Medical Device) FDA 510(K) K170837 for General Radiology CCC (China), KC (Korea), PSE (Japan), INMETRO (Brazil -Product Numbers: K9300340B, K9300341B, K9300342B), BIS (India), EAC (Russia, Kazakhstan, Belarus, Armenia and Kyrgyzstan)
	Safety specific: IEC 60950-1:2005 + A1:2009 EN 60950-1:2006 + A1:2010 + A11:2009 + A12:2011 + A2:2013 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. 60601-1:14  EMI specific: IEC 60601-1-2:2014 (ed4) EN 60601-1-2:2015 (ed4) FCC part 15 Class B ICES-001 Level B VCCI (Japan)  Environmental: China Energy Label, EU RoHS, China RoHS, REACH, Canada Health, WEEE, Packaging Directive User quide
	Documentation disc System sheet Video cable (1 x DisplayPort) Mains cable(s) USB 2.0 cable External power supply
Optional accessories	Graphics board
QA software	QAWeb
Warranty	5 years, including 20000 hrs backlight warranty
Operating temperature	0 °C to 40 °C (15 °C to 35 °C within specs)
Storage temperature	-20 °C to 60 °C
Operating humidity	8% to 80% (non-condensing)
Storage humidity	5% to 85% (non-condensing)
Operating pressure	70 kPa minimum
Storage pressure	50 to 106 kPa

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