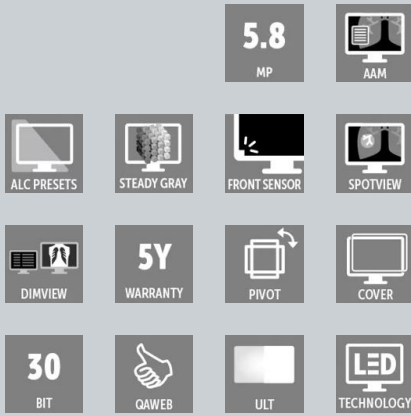


Nio Gray 5.8MP(MDNG-6221)

5.8MP high-bright grayscale display



- **Designed for radiology and 2D/3D mammography**
- **High-bright, adjustable tint grayscale**
- **I- Guard and QAWeb Enterprise for always-on compliance**

Are you a radiologist specializing in reading breast cases in mainly grayscale modalities, such as 2D mammography and 3D tomosynthesis? If the answer is yes, then the Nio Gray 5.8MP is cut out just for you. It's fully up to date with capabilities and innovations for today's breast imaging, making this a modern display system that is efficient and easy for you to use. Furthermore, it's also perfectly suited for reading grayscale general radiology images in a comfortably high resolution.

Bigger image, more details

5.8MP를 선택해야 하는 이유는 무엇일까요? Well, in contrast to conventional 5.2MP display systems, you get 12% more pixels on your screen, which means that you can see more details at any given moment. Combine this with the tall 4:3 aspect ratio, which offers more room to view images in their entirety, and you get an ideal combo to start cutting back on additional panning and zooming.

신뢰할 수 있는 판독

The Nio Gray 5.8MP offers you more Just Noticeable Differences, thanks to its high brightness and contrast ratio. Our integrated stability, calibration and uniformity technologies make sure that image quality, light output and DICOM compliance remain consistent over the years.

효율적인 워크플로

The Nio Gray 5.8MP is more than a grayscale monitor alone. It offers many ways to personalize settings to your liking, such as preferred tints of white or viewing angle. On top of that,



it can help you improve your efficiency and speed, thanks to the set of Intuitive Workflow Tools included with our MXRT medical display controllers.

Did you know that SpotView, for example, makes it possible to make an area you choose twice as bright as it was originally? It's been proven to help radiologists reduce their reading time by as much as 15.5%. You can also define user profiles, saving you and your colleagues time. These automatically adjust the display in situations where it is shared by multiple people.

Long lifetime, clear view

The Nio Gray 5.8MP adheres to the latest medical standards for medical devices in Europe & MQSA in the United States. It's also easy to install our free and highly secured QAWeb Enterprise application, with which you can rely on intervention-free, remote quality assurance. The tool makes it easy for PACS managers to centrally manage their Barco displays' uptime and compliance – anytime, anywhere.

To summarize, your Nio Gray 5.8MP monitor is a functional, easy-to-use diagnostic display system, fully up to date with today's innovations in general grayscale radiology, as well as 2D and 3D mammography. It comes with a 5-year warranty on its all components.

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.

- More detail on your screen, with 5.8MP resolution
- Designed to show breast images entirely, with 3:4 aspect ratio
- Increased contrast, with 1400:1 contrast ratio and 600 to 1000 cd/m² calibrated luminance
- Consistent brightness and grays, with Uniform Luminance Technology and SteadyGray
- Always stable DICOM images and auto QA, with I-Guard front sensor and optionally, QAWeb Enterprise
- Possibility to boost luminance, with I-Luminate and SpotView
- Optional settings and tools to adjust the monitor to your workflow, with Intuitive Workflow Tools

기술 사양

NIO GRAY 5.8MP(MDNG-6221)

일반 사양	
스크린 기술	LCD
활성 스크린 크기(대각)	541 mm (21.3")
활성 스크린 크기(H x V)	324 x 433 mm (12.77" x 17")
화면 비율(H:V)	세로 모드에서 각 디스플레이를 위한 3:4, 3:2 전체
해상도	5.8MP(2100 x 2800픽셀)
픽셀 피치	0.1545mm
흑백 영상	지원
비트 깊이	10 비트
시야각(H, V)	178°
광학 유리	MDNG-6221 옵션 SPEF: 예 MDNG-6221 옵션 SNEF: 아니요
통일성 보정	ULT
I-Luminate	지원
SteadyGray	지원
주변 광원 프리셋	예, 판독실 선택
주변 광원 보정 센서	MDNG-6221 옵션 SPEF: 예 MDNG-6221 옵션 SNEF: 아니요
전면 센서	지원
최대 광도(일반 패널)	1300 cd/m ²
DICOM 보정 휘도	최대 보증: 1,000cd/m ² 공장 기본값: 600cd/m ²
명암비(일반 패널)	1400:1
응답 시간((Tr + Tf)/2)(일반)	12.5ms
하우징 색	RAL 9003 / RAL 9004
비디오 입력 신호	DVI-D 듀얼 링크(2x) DisplayPort(2x)
USB 포트	1x USB 2.0 업스트림(중단) 2x USB 2.0 다운스트림
정격 전력	24VDC, 5A; 5VDC, 0.1A
전원 요구 사항	이 기기는 다음과 같이 의료용으로 승인된 전원 공급 장치를 사용하여 작동해야 합니다. Adapter Technology, 타입 CMD160-P240 의료용 전원 공급 장치에 표시된 등급: <ul style="list-style-type: none"> ■ 정격 입력: 100~240VAC, 1.9~0.8A, 50/60Hz ■ 정격 출력: 24VDC, 6.3A, 5VDC, 0.5A
전력 소비	60W(공칭) < 0.5W(대기)
스탠드 장착 시 크기(W x H x D)	세로: 378 x 528~628 x 235mm 가로: 491 x 472~572 x 235mm
스탠드 미장착 시 크기(W x H x D)	세로: 378 x 491 x 81mm 가로: 491 x 378 x 81mm
포장 시 크기(W x H x D)	500 x 280 x 670 mm
스탠드 장착 시 순 중량	MDNG-6221 옵션 SPEF: 11.6kg MDNG-6221 옵션 SNEF: 10.2kg
스탠드 미장착 시 순 중량	MDNG-6221 옵션 SPEF: 6.6kg MDNG-6221 옵션 SNEF: 5.2kg
순 포장 중량	MDNG-6221 옵션 SPEF: 17.0kg(옵션 액세서리 제외) MDNG-6221 옵션 SNEF: 15.7kg(옵션 액세서리 제외)
틸트	-10°~+30°
회전	-45°~+45°
중심축	90°
높이 조정 범위	100mm
장착 표준	VESA(100mm)
스크린 보호	MDNG-6221 옵션 SPEF: 보호, 반사 방지 유리 커버 MDNG-6221 옵션 SNEF: 해당 없음
권장 양식	디지털 유방조영술 및 유방 단층 영상 합성을 포함한 모든 디지털 영상

기술 사양

NIO GRAY 5.8MP(MDNG-6221)

인증

FDA 510(k) K170476
CCC(중국), KC(한국), INMETRO(브라질 -제품 번호 K9300370B, K9300372B), BIS(인도), EAC(러시아, 카자흐스탄, 벨라루스, 아르메니아, 키르기스스탄)

안전 관련:

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. 60601-1:14

EMI 관련:

IEC 60601-1-2:2014(ed4)
EN 60601-1-2:2015(ed4)
FCC 파트 15 클래스 B
ICES-001 레벨 B
VCCI(일본)

환경:

China Energy Label, EU RoHS, China RoHS, REACH, Canada Health, WEEE, 포장 지침

제공 액세서리

사용 설명서
문서 디스크
시스템 시트
비디오 케이블(DisplayPort 1개)
메인 케이블
USB 2.0 케이블
외부 전원 공급 장치

옵션형 액세서리

디스플레이 컨트롤러

QA 소프트웨어

QAWeb

보증

5년(40,000시간 백라이트 보증 포함)

작동 온도

0°C ~ 40°C(15°C ~ 30°C 사양 내)

보관 온도

-20°C ~ 60°C

작동 습도

8% ~ 80%(비음축)

보관 습도

5%~85%(비음축)

작동 압력

70kPa 최소

운송 압력

50~106kPa

작성일: 07 May 2024

기술 사양은 예고 없이 변경될 수 있습니다. 최신 정보는 www.barco.com에서 확인하십시오.