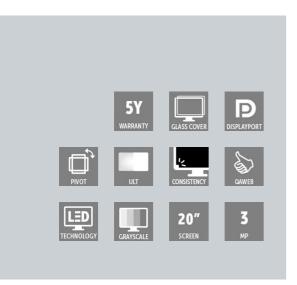
Nio 3MP LED (MDNG-3220 CN)

3MP diagnostic grayscale display system





Nio 3MP LED 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 LED 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 at all times for confident diagnoses.

On-demand image quality checks

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

An excellent investment

Using energy-efficient LED backlights, Nio 3MP LED 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.

A one-stop-shop solution

Barco medical displays include proprietary display controllers that are validated with the latest workstations and with all major PACS applications. They also include seamlessly integrated technologies and features to boost functionality and performance.

- With front-of-screen sensor & QA software
- LED backlights rendering more JNDs
- Lowest cost of ownership



Product specifications

NIO 3MP LED (MDNG-3220 CN)

Product specifications	NIO 3MP LED (MDNG-3220 CN)
General specifications	
creen technology	IPS
Active screen size (diagonal)	irs 520 mm (20.8°)
Active screen size (diagonal)	320 HIM (20 A 12 A
Aspect ratio (H:V)	310 x 424 mm (12.32 x 10.09) 4.3
esolution	3MP (2048 X 1536)
ixel pitch	0.207
olor imaging	No
iray imaging	Yes
lumber of grayscales (LUT in/LUT out)	1024 gray levels (10/12)
iewing angle (H, V)	176°
niform Luminance Technology (ULT-LED)	Yes
er Pixel Uniformity (PPU-LED)	No
mbient Light Compensation (ALC)	No
acklight Output Stabilization (BLOS)	Yes
ont sensor	Yes
aximum luminance	
	1200 cd/m² typical
COM calibrated luminance (ULT off)	500 cd/m ²
ontrast ratio (ULT off)	1200 typical
sponse time (Tr + Tf)	30 ms (typical)
anning frequency (H; V)	15-129 kHz; 25-98 Hz
ousing color	Black / White
deo input signals	DVI-D Dual Link / DisplayPort
deo output signals	DisplayPort
deo inout terminals	NA NA
SB ports	1 upstream , 2 downstream
SB standard	2.0
ower requirements (nominal)	100-240V
ower consumption (nominal)	30W
	v
ower save mode	Yes
wer management	DVI-DMPM
ot clock	280 MHz
SD languages	English, German, French, Dutch, Spanish, Italian, Chinese (Simplified), Japanese, Korean
Dimensions with stand (W x H x D)	Portrait: (w x hmax x d): 378 x 628 x 235 mm. (w x hmin x d): 378 x 528 x 235 mm
	Landscape: (w x hmax x d): 491 x 572 x 235 mm. (w x hmin x d): 491 x 472 x 235 mm
imensions w/o stand (W x H x D)	378 x 491 x 84 mm
imensions packaged (W x H x D)	495 x 388 x 655 mm
et weight with stand	13 kg
et weight w/o stand	8 kg
et weight packaged with stand	17 kg
et weight packaged w/o stand	12 kg
eight adjustment range	100 mm
lt	-10°/+30°
vivel	-10 / +-30 -45 ' / +45°
	-43 / +43 -009
vot	90**
ounting standard	VESA (100 mm)
reen protection	Protective, non-reflective glass cover
ecommended modalities	CT, MR, US, DR, CR, NM, Film
ertifications	GB9254-2008, GB4943.1-2011, GB17625.1-2012
Supplied accessories	User Guide
	Quick-Installation Sheet
	Video cable (1 x DisplayPort)
	Chinese power cable (CCC))
	USB 2.0 cable
	Adapters
	(Optional Adapter : Manufacturer : EDAC POWER ELECTRONICS CO., LTD., Model: EA10681P-240; Input: 100-240 Vac, 50-60 Hz, 2.0 A;
	(Optional Adapter - Manufacturer - EDAC POWER ELECTRONICS CO., LTD., Model: EA10681P-240, Input: 100-240 Vac, 50-60 Hz, 2.0 A, Outbut: +24Vdc, 2.5 A
Ontional accessories	Or manufacturer: BridgePower Corporation, Model: BPM060S24F09; Input: 100-240 Vac, 50-60 Hz, 1.5 A; Output: +24Vdc, 2.7 A)
otional accessories	NA NA
A software	MediCal QAWeb
nits per pallet	NA
ıllet dimensions (W x H)	NA
arranty	5 years
perating temperature	0°C to 35°C (15°C to 30°C within specs)
perating temperature orage -transport temperature	U"C to 35°C (SUC Within specs) -20°C to 60°C
orage -transport temperature	
navating humidity	
	8%-80% (non-condensing)
torage -transport humidity	5% -85% (non-condensing)
Operating humidity torage -transport humidity Deperating altitude torage -transport pressure	

Last updated: 04 Jul 2024

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