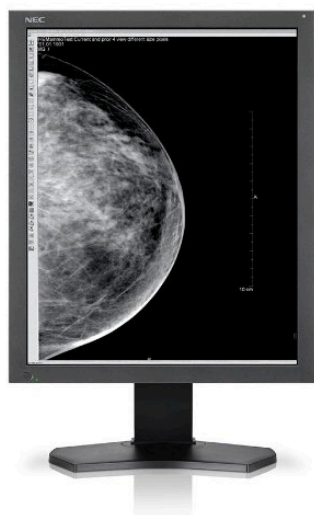


5MP Medical Certified Diagnostic Display

NEC MD211G5



5 MP 21.3" Grayscale Display System for Primary Diagnostics of Medical Images especially Mammography and Breast Tomosynthesis

The NEC MD211G5 flat panel display systems are suitable for displaying and viewing of digital images for diagnosis by trained physicians. Application include diagnostic image reporting in radiography, especially Mammography and Breast Tomosynthesis. To guarantee the display performance as specified, the display must only be used with NEC approved display controller boards.

Benefits

Easy maintenance – GammaCompMD QA software included with the display enables easy calibration, maintenance and quality assurance ensuring accurate performance over the entire lifetime of the display.

Precise image – Special AR (Anti-Reflection) coating ensures crisp image reproduction.

Quick Screen QA – the DICOM conformance test can be performed without the need to install any special software on the workstation.

DICOM out of the box – The display is calibrated at the factory according to DICOM Part 14.

Eco friendly – Less energy consumption and mercury free with LED backlight system.

Specifications

Product Information

Product Name

NEC MD211G5

Product Group

5MP Medical Certified Diagnostic Display

Order Code

40000746

Display

Panel Technology

IPS TFT with W-LED backlight

Screen Size [inch/cm]

21 / 54

Screen Aspect Ratio

5:4

Pixel Pitch [mm]

0.165 x 0.165

Luminance [cd/m²]

1200 (max); 500 (calibrated)

Contrast Ratio (typ.)

1200:1

Viewing Angle [°]

176 horizontal / 176 vertical (typ. at contrast ratio 50:1)

Response Time (typ.) [ms]

50 (tr - tf)

Grayscale Reproduction

10-bit (1024 grey tones out of a pallet of 12277)

Factory Calibration

GammaCorrection to DICOM Part 14; 500 cd/m² at white level; 1 cd/m² at black level

Synchronisation Rate

Horizontal Frequency [kHz]

30 - 135

Vertical Frequency [Hz]

25 - 75

Resolution

Optimum Resolution

2048 x 2560 at 60 Hz

Connectivity

Digital

1 x DisplayPort; 1 x DVI-D

Electrical

Power Consumption on Mode [W]

50 (shipping); 80 (max.)

Power Supply

1.5 A/0.6 A; 100-240 V; integrated power supply

Environmental Conditions

Operating Temperature [°C]

+5 to +35

Operating Humidity [%]

20 to 80 (non-condensing)

Ergonomics

Height adjustable stand [mm]

96

Mechanical

Dimensions (W x H x D) [mm]

390 x 488 - 584 x 228 (Portrait mode); 475 x 403 - 542 x 228 (Landscape mode)

Weight [kg]

With stand: 11.8

VESA Mounting [mm]

100 x 100

Additional Features

Special Characteristics

Ambient light sensor for optimized brightness levels; Digital Uniformity Control; Individual factory calibrated DICOM gamma correction curve; integrated USB Hub; IPS panel technology; LED Backlight Technology

Colour Versions

Black Front Bezel, Black Back Cabinet

Cable Management

yes

Plug and Play

VESA DDC2B

Safety and Ergonomics

CE-MDD (EN60601-1, EN60601-1-2); DICOM gamma correction; DIN V 6868-57 / DIN 6868-157; EAC; FDA510 (K); PCT/Gost; PSB; UL60601

Warranty

3 years warranty standard, optional 5 years

System Configurations

Display Controller Board Variety

AMD; Nvidia

Software

GammaCompMD QA

Options

Calibration Instrument (MDSVSENSOR3)



CE-MDD (EN60601-1, EN60601-1-2)



ME06

PCT/Gost

Medical device registration plays an important role in complying with mandatory EU regulations on the medical vigilance system. In addition, product registration ensures you receive the best after-sales support and warranty condition. Please register your NEC medical device at <https://medical.nec-display-solutions.com>

CE-MDD declaration is in accordance with the European Directive 93/42/EEC (Medical Device Directive).

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