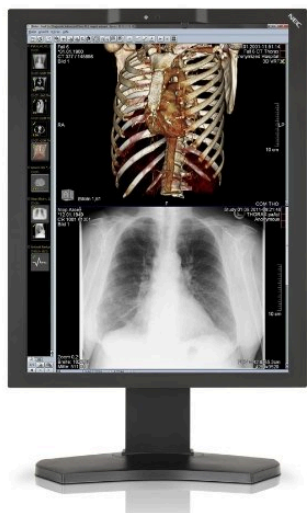


3MP Medical Certified Diagnostic Display

NEC MD210C3



DICOM Calibratable 3 MP 21" Colour Display System

The NEC MD210C3 is designed for viewing of colour and grayscale digital images for diagnosis by trained physicians. Applications include diagnostics image reporting in radiography as well as CT, MRI and other medical imaging modalities. To guarantee the display performance as specified, a MD210C3 display must only be used in conjunction with NEC approved Display controller boards and drivers.

Benefits

Anti-Glare – unique anti-glare coating layer in order to minimize disturbing ambient light reflections.

Reliable Image – integrated sensors such as the front sensor, proximity sensor or the illuminance sensor ensure long-lasting white point and luminance.

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 MD210C3

Product Group
3MP Medical Certified Diagnostic Display

Order Code
40000883

Display

Panel Technology
UA-SFT with W-LED Backlight

Screen Size [inch/cm]
21 / 54

Screen Aspect Ratio
4:3

Pixel Pitch [mm]
0.212 x 0.212

Luminance [cd/m²]
400 (calibrated); 800 (max)

Contrast Ratio (typ.)
1400:1

Viewing Angle [°]
176 horizontal / 176 vertical (typ. at contrast ratio 10:1)

Response Time (typ.) [ms]
40 (tr - tf)

Colour Reproduction
10-bit (1024 grey tones per R G B input) with 1.073 billion total colours (max.)

Programmable Gamma Correction
14-bit

Factory Calibration
Gamma correction according to DICOM Part 14; 400 cd/m² at white level; 0.6 cd/m² at black level; 7500K colour temperature

Synchronisation Rate

Horizontal Frequency [kHz]
31.5 - 95.4

Vertical Frequency [Hz]
50 - 85

Resolution

Optimum Resolution
2048 x 1536 at 60 Hz

Connectivity

Digital
1 x DisplayPort; 1x DVI-D (Dual Link)

Electrical

Power Consumption on Mode [W]
56 (shipping)

Power Savings Mode [W]
< 2

Power Supply
1.1 A/0.44 A; 100-120 V/220-240 V; internal power supply

Environmental Conditions

Operating Temperature [°C]
+5 to +35

Operating Humidity [%]
20 to 80

Ergonomics

Height adjustable stand [mm]
150 (Landscape mode)

Screen Tilt [°]
-5 to 30

Screen Swivel [°]
-45 to +45

Mechanical

Dimensions (W x H x D) [mm]
473 x 393.6 x 235.5

Weight [kg]
11.8

VESA Mounting [mm]
100 x 100

Additional Features

Special Characteristics

14-bit Gamma Correction; Built-in Ambient Light Sensor; Built-in Front Sensor; Digital Uniformity Control; Human Sensor; integrated USB Hub; Quick Screen QA

Plug and Play

VESA DDC2B

Shipping Content

DisplayPort Cable; Continental and UK power cord; Display; Quick Reference Guide; USB Signal Cable: DVI-D (Dual Link)

Safety and Ergonomics

AAPM-TG18; CCC; CE-MDD (EN60601-1, EN60601-1-2); DIN V 6868-57 / DIN 6868-157; EAC; FDA510 (k); JESRA-X0093; RoHS; WEEE

Warranty

3 years warranty incl. backlight; optional 4th to 5th year warranty extension

System Configurations

Display Controller Board Variety

AMD; Nvidia

Software

GammaCompMD QA

Options

Calibration Instrument (MDSVSENSOR3)

* 3 MP (for DatasheetText)



RoHS



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

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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