

3MP Medical Certified Diagnostic Display

NEC MD211G3



3 MP 21.3" Grayscale Display System for Primary Diagnostics of Medical Images

The NEC MD211G3 (L2111UV) is designed for viewing of grayscale digital images for diagnosis by trained physicians. Application include diagnostic image reporting in radiography. To guarantee the display performance as specified, the display must only be used with NEC approved display controller boards.

CE-MDD declaration for this product is in accordance with the European Directive 93/42/ECC (Medical Device Directive). NEC MD series displays are registered as medical devices at DIMIDI and succeeded pre-qualification for the German X-ray ordinance acceptance tests according to DIN V6868-57.

Benefits

21.3" / 3 MP image resolution: 2048 x 1536 – ERROR

Individual factory calibrated DICOM gamma correction curve – with unique built-in "quick screen" QA check.

Unique re-calibratable front sensor system – for latest QA conformance capability.

Precise DICOM GSDF Calibration – using internal 15.5 bit look-up table.

DisplayPort connectivity – ERROR

Specifications

Product Information

Product Name
NEC MD211G3

Product Group
3MP Medical Certified Diagnostic Display

Order Code
40000589

Display

Panel Technology
SA-SuperFine Greyscale TFT glass

Screen Size [inch/cm]
21.3 / 54

Screen Aspect Ratio
4:3

Pixel Pitch [mm]
0.2115 x 0.2115

Brightness (typ.) [cd/m²]
1450 (peak) / 400 (calibrated)

Contrast Ratio (typ.)
900:1

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

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

Synchronisation Rate

Horizontal Frequency [kHz]
31.5 - 99.4

Vertical Frequency [Hz]
50 - 85

Resolution

Supported
2048 x 1536

Connectivity

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

Digital interface modes:
Packed Pixel

Electrical

Power Consumption on Mode [W]
105 (max.)

Power Savings Mode [W]
< 2

Power Supply
1.2 A/0.46 A; 100-240 V; integrated power supply

Environmental Conditions

Operating Temperature [°C]
+5 to +35

Operating Humidity [%]
30 to 80 (non-condensing)

Ergonomics

Height adjustable stand [mm]
150 (Landscape mode)

Mechanical

Dimensions (W x H x D) [mm]
361.6 x 483.4 - 580.7 x 227.6 (Portrait mode); 467.8 x 377.6 - 527.6 x 227.6 (Landscape mode)

Weight [kg]
With stand: 10.7

VESA Mounting [mm]
100 x 100 (4 points)

Additional Features

Special Characteristics
20.1" / 3 MP image resolution: 2048 x 2560 in portrait mode;
Control Buttons on Cabinet Backside; Individual factory calibrated DICOM gamma correction curve; Multiple OSD Lock-Out Modes; NaViSet Administrator 2; Precise DICOM GSDF Calibration using internal 15.5-bit look-up tables

Colour Versions
Black Front Bezel, Black Back Cabinet

Cable Management
yes

Kensington security slot

yes

Shipping Content

1 x DVI-D Cable; CD-ROM (User Guides/Manuals); Continental and UK power cord; Display; GammaCompMD Client QA Software; Quick Reference Guide; Signal Cable DisplayPort; USB; USB Cable

Safety and Ergonomics

CCC; DIN V 6868-57 / DIN 6868-157; FDA510(k); Pending: CE-MDD (EN60601-1, EN60601-1-2); TÜV Approved Medical Device (TÜV GM)

Warranty

3 years warranty standard, optional 5 years



TÜV Approved Medical Device (TÜV GM)



Pending: 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>

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