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**NEC**

# NEC MD302C6

The NEC MD302C6 flat panel display is ideal for viewing 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 techniques.

## BENEFITS

**Stabilized image quality -** A built-in front sensor regulates the luminance of the display for short and long term.

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

**Quick and convenient DICOM conformance test -** Ad-Hoc DICOM conformance test can be performed on the display.

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

**Clean work space -** The built-in power supply unit helps keep your workspace clear by eliminating the need for an external AC adapter.

**Advanced Productivity -** A large size and high resolution 30" 6MP screen offers a remarkably wide work space.

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

**Flexible video configuration -** Arrange your viewing area as a single 6MP canvas or dual 3MP display setup.

**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.

| DISPLAY | Panel Technology | IPS TFT with W-LED backlight |
|---|---|---|
| | Screen Size [inch/cm] | 30 / 76.2 |
| | Screen Aspect Ratio | 16:10 |
| | Pixel Pitch [mm] | 0.197 x 0.197 |
| | Luminance [cd/m²] | 400 (calibrated); 800 (max) |
| | Contrast Ratio (typ.) | 1000:1 |
| | Viewing Angle [°] | 170 horizontal / 170 vertical (typ. at contrast ratio 10:1) |
| | Response Time (typ.) [ms] | 30 (tr - tf) |
| | Colour Reproduction | 10-bit (1021 grey tones per R G B input) with 1.06 billion total colours (max.) |
| | Programmable Gamma Correction | 16-bit |
| | Factory Calibration | Gamma correction according to DICOM Part 14; 400 cd/m² at white level; 0.8 cd/m² at black level; 7500K colour temperature |
| SYNCHRONISATION RATE | Horizontal Frequency [kHz] | 31.5 - 126.5 |
| | Vertical Frequency [Hz] | 30 - 70 |
| RESOLUTION | Optimum Resolution | 3280 x 2048 at 30 Hz; Dual 1536 x 2048 at 60 Hz; Dual 1640 x 2048 at 60 Hz |
| CONNECTIVITY | Digital | 2 x DisplayPort; 2x DVI-D (Dual Link) |
| ELECTRICAL | Power Consumption on Mode [W] | 114 (shipping); 173 (max.) |
| | Power Savings Mode [W] | < 22 |
| | Power Supply | 100-120 V/220-240 V; 4 A/1.67 A; internal power supply |
| ENVIRONMENTAL CONDITIONS | Operating Temperature [°C] | +5 to +35 |
| | Operating Humidity [%] | 20 to 80 |
| ERGONOMICS | Height adjustable stand [mm] | 131 |
| | Screen Tilt [°] | -5 to 30 |
| | Screen Swivel [°] | -45 to +45 |
| MECHANICAL | Dimensions (W x H x D) [mm] | 695.6 x 486.5 x 301.6 |
| | Weight [kg] | 17.6 |
| | VESA Mounting [mm] | 200 x 100 |
| ADDITIONAL FEATURES | Special Characteristics | 16-bit Gamma Correction; Built-in Ambient Light Sensor; Built-in Front Sensor; Digital Uniformity Control; Quick DICOM Test; Selectable Configuration (Config1, Config2, Config3); Selectable EDID |
| | Kensington security slot | yes |
| | Plug and Play | VESA DDC2B |
| | Shipping Content | Continental and UK power cord; Display; Quick Reference Guide<br>Signal Cable: 2 x DisplayPort; 2 x DVI-D; USB |
| | Safety and Ergonomics | AAPM-TG18; CCC; CE-MDD (EN60601-1, EN60601-1-2); DIN 6868-57 Category A; EAC; FDA510 (k); JESRA-X0093; RoHS; WEEE |
| | Warranty | 3 years warranty incl. backlight; optional 4. + 5. year warranty extension |
| SYSTEM CONFIGURATIONS | Display Controller Board Variety | AMD; Nvidia |
| | Software | GammaCompMD QA |
| | Options | Calibration Instrument (MDSVSENSOR3) |

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 http://medical.nec-display-solutions.com/medregistration

CE-MDD declaration is in accordance with the European Directive 93/42/EEC (Medical Device Directive). NEC MD Series Display Systems are registered as medical devices at DIMDI and succeeded pre-qualification for the German X-ray ordinance acceptance tests according to DIN V6868-57.

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