

# NEC MultiSync® EA244UHD

Order Code: 60003683 (BK), 60003684 (WH)

NEC LCD 24" Commercial Display



NEC is ushering in a new era of visual experience with the MultiSync® EA244UHD.

The EA244UHD is a high performance IPS display with the latest 4K UHD (3840 x 2160) super resolution and accurate wide colour gamut capability. Offering the very latest DisplayPort connectivity (UHD at 60 Hz), as well as a range of DVI and HDMI inputs, this monitor can be used in many mission critical applications, where decision making is based on highly detailed, accurate and reliable image quality. Outstanding ergonomic comfort makes it very user-friendly and further enhances professional productivity.

## BENEFITS

**Rich detail and complete image overview** - 4K UHD resolution 3840 x 2160.

**Multi-source management** - Advanced Picture-by-Picture to show simultaneously up to 4 different images from a variety of video inputs.

**Ergonomic Office** - full height adjustability (130 mm), swivel, tilt and pivot functionality ensures perfect individual ergonomic set-up.

**Minimize power consumption** - Human Sensor detects the presence of a person in front of the screen; display switches on/off automatically depending on the presence of the user.

**Comprehensive network-wide asset management and easier remote support** - NaViSet Compatible.

**Expanded connectivity** - 6 signal inputs (DVI-D, DP, HDMI, USB) and MHL connection for latest smartphone office productivity.

**Uncompromising image quality and more realistic colour reproduction** - 10-bit IPS AdobeRGB Wide gamut Colour.

**Straightforward radiological review applications** - DICOM Simulation.

4K UHD

IPS



## NEC MultiSync® EA244UHD - Technical Specification

|                                 |                               |   |            |
|---------------------------------|-------------------------------|---|------------|
| <b>DISPLAY</b>                  | Panel Technology              | IPS TFT with W-LED backlight  |            |
|                                 | Screen Size [inch/cm]         | 23.8 / 60.5   |            |
|                                 | Screen Aspect Ratio           | 16:9  |            |
|                                 | Pixel Pitch [mm]              | 0.14  |            |
|                                 | Brightness (typ.) [cd/m²]     | 350   |            |
|                                 | Contrast Ratio (typ.)         | 1000:1  |            |
|                                 | Viewing Angle [°]             | 178 horizontal / 178 vertical (typ. at contrast ratio 10:1)   |            |
|                                 | Response Time (typ.) [ms]     | 5   |            |
|                                 | Colours [Billion]             | 1.073 (10-bit per colour)   |            |
|                                 | Colour Gamut Size / Coverage  | 107% / 99% Adobe RGB  |            |
|                                 | <b>SYNCHRONISATION RATE</b>   | Horizontal Frequency [kHz]  | 31.5 - 134 |
|                                 |                               | Vertical Frequency [Hz]   | 30 - 75    |
| <b>RESOLUTION</b>               | Optimum Resolution            | 3840 x 2160 at 60 Hz  |            |
|                                 | Supported                     | 3840 x 2160; 2560 x 1600; 2560 x 1440; 1920 x 2160; 1920 x 1080; 1280 x 2160; 1280 x 960; 1152 x 870; 1152 x 864; 1024 x 768; 832 x 624; 800 x 600; 720 x 400; 640 x 480  |            |
| <b>CONNECTIVITY</b>             | Digital                       | 1 x HDMI; 1 x HDMI/MHL; 2 x DisplayPort; 2 x DVI-D; USB ver. 3.0 (1 down / 3 up)  |            |
| <b>ELECTRICAL</b>               | Power Consumption on Mode [W] | 41 (Eco Mode); 46 (typ.); 79 (max.)   |            |
|                                 | Power Savings Mode [W]        | 0.32  |            |
|                                 | Power Supply                  | 1.1 A/0.5 A; 100-120 V/220-240 V; internal power supply   |            |
| <b>ENVIRONMENTAL CONDITIONS</b> | Operating Temperature [°C]    | +5 to +35   |            |
|                                 | Operating Humidity [%]        | 20 to 80  |            |
| <b>ERGONOMICS</b>               | Height adjustable stand [mm]  | 130   |            |
|                                 | Screen Tilt [°]               | -5 to +30   |            |
|                                 | Screen Swivel [°]             | -170 to +170  |            |
|                                 | Screen Rotate [°]             | 0 to 90 (landscape to portrait mode)  |            |
| <b>MECHANICAL</b>               | Bezel Width [mm]              | 14.8 (left and right); 18.1 (top and bottom)  |            |
|                                 | Dimensions (W x H x D) [mm]   | 558.2 x 386.7 x 218   |            |
|                                 | Weight [kg]                   | 7   |            |
|                                 | VESA Mounting [mm]            | 100 x 100   |            |
| <b>ADDITIONAL FEATURES</b>      | Special Characteristics       | Ambient light sensor for optimized brightness levels; Carbon Footprint Meter; Carbon Savings Meter; ControlSync®; Cost Meter; DICOM Simulation; DisplayPort; ErgoDesign®: Height adjustable stand (130 mm), swivel (170°), and portrait (90°); Human Sensor; LED Backlight Technology; NaViSet Administrator 2; Picture-by-Picture; Rapid Response Technology; USB ver. 3.0 (3 down / 1 up); Versatile installation (VESA standard), with integrated speakers (1+1 W); Windows 8 compatible |            |
|                                 | Colour Versions               | Black Front Bezel, Black Back Cabinet; White Front Bezel, White Back Cabinet  |            |
|                                 | Cable Management              | yes   |            |
|                                 | Kensington security slot      | yes   |            |
|                                 | Plug and Play                 | DDC2B/2Bi; EDID Standard; VESA DDC/CI   |            |
|                                 | Audio                         | Headphone Jack; Integrated Speakers (1 W + 1 W)   |            |
|                                 | Adjust Functions              | Auto Adjust; Brightness; Colour Temperature Control; Contrast; Fine Adjust (analog); Language Select; Monitor Information; On-Screen-Display (OSD) lock-out; Volume   |            |
|                                 | Shipping Content              | Monitor; Power Cable; Setup Guide<br>Signal Cable: DisplayPort  |            |
|                                 | Safety and Ergonomics         | CE; EAC; Energy Star 6.0; EPEAT™ Gold; FCC Class B; ISO 9241-307 (pixel failure class I); MPR II/ MPR III; RoHS; TCO 6.0; TÜV Ergonomics; TÜV GS; UL/C-UL or CSA  |            |
|                                 | Warranty                      | 3 years warranty incl. backlight; optional 4. + 5. year warranty extension  |            |
| <b>GREEN FEATURES</b>           | Energy Efficiency             | Annual energy consumption: 68 kWh (based on 4 operating hours per day); Energy efficiency class: C; LED backlight technology  |            |
|                                 | Ecological Standards          | Energy Star 6.0; EPEAT Gold; ErP compliant; RoHS compliant; TCO 6.0   |            |

For more information, visit [nz.nec.com](http://nz.nec.com), email [sales@nec.co.nz](mailto:sales@nec.co.nz) or call 04 381 1111