

# EA SERIES

WITH IPS COLOUR FOR ENHANCED PRODUCTIVITY



## Quality, Size and Future Ready Performance

The best-selling EA Series takes the best of two worlds, IPS high quality panel technology with trusted performance to meet the challenges of the demanding Corporate environment and strong ecological credentials that save operating costs and help Corporations meet their ECO targets. The EA Series includes a new innovative design technology, developed to incorporate the benefits of LED backlighting.

An attractive slim design, perfect in the modern office, does not mean compromise, instead DisplayPort, HDMI and MHL\*, a well-arranged OSD design and finger touch control buttons on the bezel were added. Further improvements include NEC's unique Human Sensor, an Ambient Light Sensor, greater height adjustment, ControlSync®, an improved cable management for a tidy desk, and options for easy mounting of mini-PCs or thin clients as well as colour calibration for colour accurate applications.

### DESIGNED FOR CORPORATES AND GOVERNMENT OFFICES

- iF Design Award Winning, Performance and Quality Oriented Concept
- Pixel free viewing experience with up to 4K UHD 3860 x 2160 resolution
- Strong Ecological Credentials and Future Ready Design and Features
- Super Wide, Wide and Conventional Models from 30" to 19"
- Extended Connectivity with DisplayPort and HDMI\*
- Perfect ergonomic set up through 130mm height adjustability
- Simple optimisation of Multiscreen configurations via ControlSync®
- Additional options for assisting colour calibration and attaching mini-PCs

\* Selected Models only, please see specifications overleaf.



## EA ADVANCED FEATURES

### DESIGNED FOR TODAY'S NEW GENERATION CORPORATES

The EA Series' advanced design is developed for users who demand best quality, high performance products that are ideal for today and for the future. Superior in form and function but also eco-friendly the EA Series delivers the highest accuracy images whilst allowing new levels of personal productivity, minimizing undesirable down-time and giving peace of mind that it is both future ready and kind to the environment.

### Introducing 4K UHD

The EA Series not only offers one of the widest range of displays on the market from the Super Wide' EA294WMI to the conventional 19" EA193MI but also now provides next generation 4K UHD resolution with optional colour calibration (via internal programmable LUT) for "pixel-free" and colour accurate imaging. With a wide choice of screen sizes and aspect ratios, products can be additional selected with cabinet colour, and premium quality IPS panels\* to meet the challenges of the most discerning applications.

### Future Ready Connectivity

#### 4 SIGNAL INPUTS PROVIDE EXPANDED CONNECTIVITY

The EA Series provides all the connectivity you need with D-sub, DVI-D, DisplayPort and HDMI\*. This wide range of digital inputs provides flexibility in terms of connected source devices and playback media, data speeds and cable distances with a combination of established and future-ready inputs. Further connectors include ControlSync® (in/out), audio input, a headphone jack and USB Hubs. The newly introduced EA244UHD offers a pixel free viewing experience, as well as latest high-bandwidth DisplayPort connector supporting UHD @ 60Hz, so that no details will be overlooked.



### Advanced Ergonomics

#### IMPRESSIVE 130MM HEIGHT ADJUSTMENT, TILT, SWIVEL AND ROTATE

Achieving the perfect set up for optimum productivity and comfort is easy with the EA Series with light to the touch, tilt, swivel and rotate adjustments and an impressive 130mm height adjustment.

The side mounted headphone and USB sockets offer convenient connection for adding audio devices or headset usage.

## ECO PERFORMANCE

With it's LED backlighting the EA Series draws less overall power, produces less heat radiation and uses less packaging and less materials. We also use recycled plastics that are free of hazardous materials such as mercury and arsenic.

#### INNOVATIONS THAT MINIMISE POWER CONSUMPTION

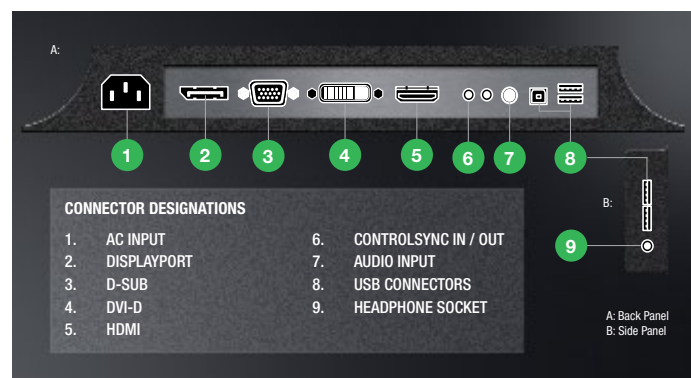
The EA Series includes a number of intelligent features that ensure your display draws power only when it needs to. These include ECO Mode™, Intelligent Power Manager (IPM), an 'Off Timer' an 'Ambient Light Sensor' which automatically reduces the brightness where the ambient light conditions are lower and the NEC unique 'Human Sensor' which detects the presence of the user and powers the display up or down accordingly. The Carbon Savings and Cost Meter make all these savings measurable over a period, assisting in your carbon reporting.



- 1. HUMAN SENSOR
- 2. AMBIENT LIGHT SENSOR



\* Selected Models only, please see specifications overleaf.



### Elegant Cable Management

The Simple Slot Cable Management Cable Cover helps to store all cables in the foot of the monitor for a tidy and uncluttered desk.



## Rich Detail and Complete Image Overview

Specialist professional applications are often identified by their need for detailed and reliable decision making. Often handling huge quantities of data, these applications are formidably demanding not only in terms of data quantity but also in terms of ergonomic, flexible, “pixel-free” viewing and highest image fidelity. The EA244UHD is NEC’s first 4K UHD monitor, and is proud to usher in a new era of visual experience. The new super resolution 3840 x 2160 allows the viewing of the tiniest details, and offers essentially “pixel-free” viewing. This special display delivers not only controlled but also accurate and consistent colours (assisted with an optional calibration software) due to its 10-bit AH-IPS panel and advanced uniformity control feature. This particular display is of special interest to photographers, designers and anyone who makes decisions based on images.



For more detailed information please visit:  
[www.4kuhd-nec.com](http://www.4kuhd-nec.com)

## Accessories

### UNIVERSAL BRACKET SYSTEM FOR THIN CLIENTS AND MINI PCS

Year after year PCs become more powerful, but at the same time smaller. The compact size of today’s PCs provides new opportunities for arranging desktop space and office furniture. NEC offers a mounting bracket for the EA Series, which allows the easy mounting of a Mini PC or Thin Client. Using the simple VESA 100mm holes, this bracket can host many models from HP, Dell Wyse and Lenovo. This solution not only saves space, but still maintains the monitor’s ergonomic height adjustment swivel and tilt capabilities.



## Multi-Monitor Management

### NEC CONTROLSYNC®

ControlSync® is an innovative new control and setting solution for your multiple display installations. By connecting designated cables included in the new EA Series to the ControlSync® sockets, setting and collected data from a ‘Master’ display can be transferred to Sub Displays. Displays connected via the ‘IN’ Socket become Sub displays. All of the Master Settings can be copied to Sub-Monitors in simple steps meaning that a multiscreen array of up to 6 displays can have their OSD settings simply and easily synchronised.

## Colour Control Features

The EA304WMI and EA244UHD are unique within the EA Series to also offer wide colour gamut support. With a colour space covering 99% of the industry standard AdobeRGB, more visible colours allow for more realistic images, and more nuanced representation. But it is the controls associated with this enhanced colour space that really make the difference: the 14-bit programmable LUT controlling the RGB gamma curves, means that after calibration (using the optional software accessory) you really see all colours as intended. Additional uniformity control also works with the IPS panel to ensure that colours are reliably and consistently shown across the screen and from any viewing direction. The EA-Series 30” and UHD Monitors set a new standard for brilliant images, and are of particular interest to designers and anyone caring deeply about display content.

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| MODEL VARIATIONS                       | EA244UHD  | EA302WMI                                | EA294WMI  | EA274WMI                                | EA244WMI  | EA234WMI                                | EA224WMI  | EA273WM   | EA223WM   | EA193Mi   |
|--|---|---|---|---|---|---|---|---|---|---|
| Order Codes: Black<br>White            | 60003683<br>60003684  | 60003494<br>60003495                    | 60003417<br>60003415  | 60003493<br>60003492                    | 60003414<br>60003409  | 60003588<br>60003587                    | 60003336<br>60003337  | 60003154<br>60003153  | 60003294<br>60003293  | 60003586<br>60003585  |
| Display                                | 23,8" IPS<br>W-LED  | 29,8" AH- IPS<br>GB-R LED               | 29" SW IPS  | 27" IPS<br>W-LED                        | 24" W IPS   | 23" IPS<br>W-LED                        | 21.5" W IPS   | 27" W TN  | 22" W TN  | 19" IPS<br>W-LED  |
| Optimum Resolution                     | 3840 x 2160   | 2560 x 1600                             | 2560 x 1080<br>(21:9)   | 2560 x 1440                             | 1920 x 1200<br>(16:10)  | 1920 x 1080<br>(16:9)                   | 1920 x 1080<br>(16:9)   | 1920 x 1080<br>(16:9)   | 1680 x 1050<br>(16:10)  | 1280 x 1024<br>(5:4)  |
| Brightness                             | 350cd/m <sup>2</sup>  | 350cd/m <sup>2</sup>                    | 300cd/m <sup>2</sup>  | 350cd/m <sup>2</sup>                    | 350cd/m <sup>2</sup>  | 250cd/m <sup>2</sup>                    | 250cd/m <sup>2</sup>  | 300cd/m <sup>2</sup>  | 250cd/m <sup>2</sup>  | 250cd/m <sup>2</sup>  |
| Contrast Ratio                         | 1000:1  |   |   |   |   |   |   |   |   |   |
| Dynamic Contrast Ratio                 | 25000:1   |   |   |   |   |   |   |   |   |   |
| Viewing Angle<br>(Contrast Ratio 10:1) | 178° Vertical / 178° Horizontal   |   |   |   |   |   |   |   | Typically 160° Vertical / 170° Horizontal                     |   |
| Response Time                          | 5ms   | 6ms                                     | 6ms   | 6ms                                     | 6ms   | 6ms                                     | 6ms   | 5ms   | 5ms   | 6ms   |
| Panel Backlight                        | Edge W-LED  | Edge GB-R<br>LED                        | Edge W-LED  | Edge W-LED                              | Edge W-LED  | Edge W-LED                              | Edge W-LED  | Edge W-LED  | Edge W-LED  | Edge W-LED  |
| Input Signal<br>Analog / Digital       | 2 x DVI-D,<br>2 x Display-<br>Port,<br>D-SUB, HDMI,<br>HDMI/MHL   | D-SUB /<br>DVI-D<br>DisplayPort<br>HDMI | 2 x D-SUB<br>/ 2 x DVI-D<br>DisplayPort<br>HDMI - MHL         | D-SUB /<br>DVI-D<br>DisplayPort<br>HDMI | D-SUB /<br>DVI-D<br>DisplayPort<br>HDMI                       | D-SUB /<br>DVI-D<br>DisplayPort<br>HDMI | D-SUB /<br>DVI-D<br>DisplayPort<br>HDMI                       | D-SUB /<br>DVI-D<br>DisplayPort<br>HDMI                       | D-SUB /<br>DVI-D<br>DisplayPort<br>HDMI                       | DVI-D,<br>DisplayPort,<br>D-SUB                               |
| USB Hub                                | USB 3<br>(1up/3down)  | USB 3<br>(1up/2down);<br>USB 2 (1down)  | 1 Up, 4 Down  | USB 3<br>(1up/2down);<br>USB 2 (2down)  | 1 Up, 4 Down  | 4 Up, 1 Down                            | 1 Up, 4 Down  | 1 Up, 4 Down  | 1 Up, 4 Down  | --  |
| ControlSync In / Out                   | Yes   |   |   |   |   |   |   |   |   |   |
| VESA Mounting                          | Yes (100 x 100)   |   |   |   |   |   |   |   |   |   |
| Power Use [W] Max<br>ECO / Power Save  | 83 / 48 / <0.5  | 83 / 48 / <0.5                          | 50 / 38 / 0.40  | 57 / 35 / <0.5                          | 29 / 21 / 0.47  | 27 / 16 / <0.5                          | 26 / 15 / 0.43  | 39 / 17 / 0.48  | 25 / 12 / 0.50  | 18 / 10 / 0.35  |
| Height Adjustment                      | 130mm   | 130mm                                   | 130mm   | 130mm                                   | 130mm   | 130mm                                   | 130mm   | 130mm   | 130mm   | 110mm   |
| Dimensions<br>(W x H x D) [mm]         | 687 x 473<br>x 230  | 687 x 473<br>x 230                      | 705.8 x 410.4<br>x 230.0                                      | 639.2 x 417.9<br>x 230                  | 556.2 x 408.9<br>x 230.0                                      | 543.8 x 380.4<br>x 218                  | 507.0 x 370.0<br>x 218.0                                      | 631.4 x 415.0<br>x 230.0                                      | 503.5 x 384.0<br>x 218.0                                      | 408 x 386<br>x 213  |
| Low Position Stand<br>Mounting Holes   | Yes   |   |   |   |   |   |   |   |   |   |
| Standards                              | EPEAT Gold,<br>TCO 6 Energy<br>Star 6.0   | EPEAT Gold,<br>TCO 6 Energy<br>Star 6.0 | EPEAT Gold,<br>TCO 5.2,<br>Energy Star<br>5.0,<br>ISO9241-307 | EPEAT Gold,<br>TCO 6 Energy<br>Star 6.0 | EPEAT Gold,<br>TCO 5.2,<br>Energy Star<br>5.0,<br>ISO9241-307 | EPEAT Gold,<br>TCO 6 Energy<br>Star 6.0 | EPEAT Gold,<br>TCO 5.2,<br>Energy Star<br>5.0,<br>ISO9241-307 | EPEAT Gold,<br>TCO 5.2,<br>Energy Star<br>5.0,<br>ISO9241-307 | EPEAT Gold,<br>TCO 5.2,<br>Energy Star<br>5.0,<br>ISO9241-307 | EPEAT Gold,<br>TCO 5.2,<br>Energy Star<br>5.0,<br>ISO9241-307 |
| Warranty                               | 3 Years Pan-European, with warranty extensions to 4 & 5 years, as well as heavy duty 16/7 usage also available. |   |   |   |   |   |   |   |   |   |



**NaViSet 2**  
FREE Download of  
Multi-Display Management  
Software

**COLOUR  
OPTIONS**



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