

MultiSync® EA305WMi  
NEC LCD 30" Professional Display

## Datasheet



The NEC MultiSync® EA305WMi features an extremely thin 30" AH-IPS LED backlight panel with a resolution of 2560 x 1600 which results in an ultra-modern and slim design. Ambient Light and Human Sensors enforce the sustainable product concept while offering improved ergonomics with 130 mm height adjustability. The ergonomic performance of this display is further enhanced by the excellent AH-IPS image quality. Finally, the display offers future-proof connectivity with four connectors: DisplayPort, DVI-D (Dual Link), HDMI and DisplayPort Out.

## Benefits

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

**Feature Set for Perfect Office Use** – Integrated Speakers, headphone jack and USB Hub provide excellent options for office communication.

**Green Product Concept** – Eco Mode and Carbon Footprint Meter / Carbon Savings Meter, Ambient Light Sensor.

**Easy Multi-Monitor Setup** – DP Daisy Chain and ControlSync for easy setup and control of highly productive multi-monitor setups.

**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.

**DICOM Simulation** – for straightforward radiological review applications.

**Cost Saving Device Management** – save effort whilst managing all connected NEC devices from a centralised location by using the NaViSet Administrator 2 software tool.

## Product Information

|               |                                  |
|---------------|----------------------------------|
| Product Name  | MultiSync® EA305WMI              |
| Product Group | NEC LCD 30" Professional Display |
| Order Code    | 60003819 (BK), 60003820 (WH)     |

## Display

|  |   |
|--|---|
| Panel Technology                       | AH-IPS GB-R LED Backlight                                   |
| Screen Size [inch/cm]                  | 30 / 76.2   |
| Screen Aspect Ratio                    | 16:10   |
| Pixel Pitch [mm]                       | 0.251   |
| Brightness (typ.) [cd/m <sup>2</sup> ] | 350   |
| Contrast Ratio (typ.)                  | 1000:1  |
| Viewing Angle [°]                      | 178 horizontal / 178 vertical (typ. at contrast ratio 10:1) |
| Response Time (typ.) [ms]              | 6   |
| Colours [Billion]                      | 1.074 (10-bit per colour)                                   |

## Synchronisation Rate

|                            |           |
|----------------------------|-----------|
| Horizontal Frequency [kHz] | 31.5 - 83 |
| Vertical Frequency [Hz]    | 56 - 75   |

## Resolution

|                    |  |
|--------------------|--|
| Optimum Resolution | 2560 x 1600 at 60 Hz   |
| Supported          | 2560 x 1440; 1920 x 1440; 1920 x 1080; 1600 x 1200; 1280 x 1024; 1152 x 864; 1024 x 768; 832 x 624; 800 x 600; 640 x 480 |

## Connectivity

|         |   |
|---------|---|
| Digital | 1 x DisplayPort; 1 x DisplayPort out; 1 x DVI-D; 1 x HDMI; USB ver 3 (2 up / 1 down) ver 2 (1 down) |
|---------|---|

## Electrical

|                               |   |
|-------------------------------|---|
| Power Consumption on Mode [W] | 48 (Eco Mode); 63 (typ.); 83 (max.)                 |
| Power Savings Mode [W]        | < 0.5   |
| Power Supply                  | 1 A/0.5 A; 100-120 V/220-0 V; internal power supply |

## Environmental Conditions

|                            |           |
|----------------------------|-----------|
| Operating Temperature [°C] | +5 to +35 |
| Operating Humidity [%]     | 20 to 80  |

## Ergonomics

|                              |                                      |
|------------------------------|--------------------------------------|
| Height adjustable stand [mm] | 130                                  |
| Screen Tilt [°]              | -5 to +30                            |
| Screen Swivel [°]            | -170 to +170                         |
| Screen Rotate [°]            | 0 to 90 (landscape to portrait mode) |

## Mechanical

|                             |                 |
|-----------------------------|-----------------|
| Dimensions (W x H x D) [mm] | 687 x 473 x 230 |
| Weight [kg]                 | 11              |
| VESA Mounting [mm]          | 100 x 100       |

## Additional Features

|                          |   |
|--------------------------|---|
| Special Characteristics  | Ambient light sensor for optimized brightness levels; Auto Contrast; Carbon Footprint Meter; Carbon Savings Meter; ControlSync®; Customize Setting; DICOM Simulation; EcoModes; ErgoDesign®: Height adjustable stand (130 mm) with 90° Pivot features; Human Sensor; LED Backlight Technology; Picture-by-Picture; Versatile and easy installation (VESA standard) with NaViSet and NaViKey; 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                    | 1W + 1W (De-activateable); Headphone Jack   |
| Adjust Functions         | Audio Volume / Lock-Out; Auto Adjust; Brightness; Colour Temperature Control; Contrast; Control Sync; DV Mode; EcoMode; Fine Adjust (analog); Human Sensing; Intelligent Power Management; Language Select; Monitor Information; NTAA (Non-Touch-Auto-Adjustment); On-Screen-Display (OSD) lock-out; One Touch Recovery; Power-Off Timer; sRGB  |
| Shipping Content         | Control Sync Cable; Monitor; Power Cable; Setup Guide; USB Cable<br>Signal Cable: DisplayPort   |
| Safety and Ergonomics    | CE; EAC; EnergyStar 6.0; ErP; 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 Accessories     | MDSVSENSOR 3; Mini-PC Bracket; SpectraView II Application Software  |

## Green Features

|                      |   |
|----------------------|---|
| Energy Efficiency    | Ambient light sensor; Annual energy consumption: (TBD) kWh (based on (TBD) operating hours per day); Carbon Footprint Meter / Carbon Savings Meter; ECOMode; Energy efficiency class: C; Human sensor |
| Ecological Materials | Efficient mechanical design for minimised packaging; Minimal use of harmful material  |
| Ecological Standards | ErP compliant; TCO 6.0; TCO Edge 2  |



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