

## MultiSync® EA234WMi LCD 23" Commercial Display

### Datasheet



NEC MultiSync® EA234WMi features an extremely thin LED backlight panel with IPS technology which results in an ultra-modern and slim design in combination with a premium feature set for the corporate office use. Ambient Light and Human Sensors enforce the sustainable product concept while offering improved ergonomics with 130 mm height adjustability. Moreover the display offers broad connectivity with four inputs DisplayPort, HDMI, DVI-D and D-Sub. Thanks to its excellent IPS image quality with wide viewing angles in 16:9 screen format, it offers a high level of ergonomic comfort.

Ideal for the corporate that demands style and future proof technology.

### Benefits

**Ergonomic Office** – full height adjustability (130 mm), tilt and flat mode 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.

**Ambient Light Sensor** – with Auto Brightness function always sets optimised brightness level according to ambient light and content conditions.

**Easy Control** – of up to six displays in a multi-monitor configuration with ControlSync® technology.

**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.

**Vesa Mount (100 mm)** – allows to install the monitor via various mounting solutions.

**NaViSet Compatible** – for comprehensive network-wide asset management and easier remote support.

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

## Product Information

|               |                              |
|---------------|------------------------------|
| Product Name  | MultiSync® EA234WMI          |
| Product Group | LCD 23" Commercial Display   |
| Order Code    | 60003588 (BK), 60003587 (WH) |

## Display

|  |   |
|--|---|
| Panel Technology                       | IPS TFT with W-LED backlight                                |
| Screen Size [inch/cm]                  | 23 / 58   |
| Screen Aspect Ratio                    | 16:9  |
| Pixel Pitch [mm]                       | 0.265   |
| Brightness (typ.) [cd/m <sup>2</sup> ] | 250   |
| Contrast Ratio (typ.)                  | 1000:1 (25000:1 dynamic contrast ratio)                     |
| Viewing Angle [°]                      | 178 horizontal / 178 vertical (typ. at contrast ratio 10:1) |
| Response Time (typ.) [ms]              | 6   |
| Colours [Mio.]                         | 16.77   |

## Synchronisation Rate

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

## Resolution

|                    |   |
|--------------------|---|
| Optimum Resolution | 1920 x 1080 at 60 Hz  |
| Supported          | 1920 x 1080; 1680 x 1050; 1600 x 1200; 1440 x 900; 1400 x 1050; 1366 x 768; 1360 x 768; 1280 x 1024; 1280 x 960; 1280 x 768; 1280 x 720; 1024 x 768; 800 x 600; 640 x 480 |

## Connectivity

|         |  |
|---------|--|
| Digital | 1 x DisplayPort; 1 x DVI-D (with HDCP); 1 x HDMI; USB ver. 2.0 (4 down / 1 up) |
| Analog  | 1 x mini D-sub 15 pin  |

## Electrical

|                               |                                     |
|-------------------------------|-------------------------------------|
| Power Consumption on Mode [W] | 16 (Eco Mode); 22 (typ.); 27 (max.) |
| Power Savings Mode [W]        | < 0.5                               |
| Power Supply                  | 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] | 543.8 x 380.4 x 218 |
| Weight [kg]                 | 6.4                 |
| VESA Mounting [mm]          | 100 x 100           |

## Additional Features

|                          |  |
|--------------------------|--|
| Special Characteristics  | Ambient light sensor for optimized brightness levels; 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; NaViSet Administrator 2; sRGB Support; Touch Sensor Keys; USB ver. 2.0 (4 down / 1 up); Windows 8 compatible |
| Cable Management         | yes  |
| Kensington security slot | yes  |
| Plug and Play            | VESA DDC2B; VESA DDCi  |
| Audio                    | Headphone Jack; Integrated Speakers (1 W + 1 W)  |
| 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; LED Brightness; 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; DisplayPort cable; Monitor; Power Cable; Setup Guide; USB Cable  |
| Safety and Ergonomics    | CE; EnergyStar 6.0; FCC Class B; ISO 9241-307 (pixel failure class I); MPR III; PCT/Gost; RoHS; TCO 6.0; TCO Certified Edge Displays 1.2.; TÜV Ergonomics; TÜV GS; UL/C-UL or CSA  |
| Warranty                 | 3 years warranty incl. backlight; optional 4th to 5th year warranty extension  |

## Green Features

|                      |  |
|----------------------|--|
| Energy Efficiency    | Ambient light sensor; Annual energy consumption: 32 kWh (based on 4 operating hours per day); Energy efficiency class: A; Human sensor; Intelligent Power Management |
| Ecological Materials | Downloadable manuals   |
| Ecological Standards | Energy Star 6.0; TCO 6.0; TCO edge   |



CE



FCC Class B



MPR III



ME06  
PCT/Gost



RoHS



TCO 6.0



TCO Certified  
Edge Displays  
1.2.



TÜV  
Ergonomics



TÜV GS

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