

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 ²]	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



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