Datasheet

NEC MultiSync® EA224WMi 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, DVID, HDMI 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 demand style and future proof technology.

Benefits

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

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

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.

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

DICOM preset – for medical radiological review applications.

Product Information

Product Name	MultiSync® EA224WMi
Product Group	LCD 22" Enterprise Display
Order Code	60003336 (BK), 60003337 (WH)

Display

Panel Technology	IPS TFT with W-LED backlight
Screen Size [inch/cm]	22 / 55
Screen Aspect Ratio	16:9
Pixel Pitch [mm]	0.247
Brightness (typ.) [cd/m²]	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.]	16.7

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;	1400 x 1050;	1280 x 960;	800 x 600;
	1680 x 1050;	1366 x 768;	1280 x 768;	640 x 480
	1600 x 1200;	1360 x 768;	1280 x 720;	
	1440 x 900;	1280 x 1024;	1024 x 768;	

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]	15 (Eco Mode); 22 (typ.); 26 (max.)
Power Savings Mode [W]	< 0.43
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 / Swivel [°]	-5 to +30; -170 to +170
Screen Rotate [°]	0 to 90 (landscape to portrait mode)

Mechanical

Dimensions (W x H x D) [mm]	507 x 370 x 218
Weight [kg]	5.6

VESA Mounting [mm]	100 x 100

Additional Features

Special Characteristics	Carbon Footprint Meter; Carbon Savings Meter; ControlSync®; DICOM preset; DICOM simulation; ErgoDesign®: Height adjustable stand (130 mm) with 90° Pivot features; NaViSet Administrator 2; sRGB Support; USB ver. 2.0 (4 down / 1 up); Versatile and easy installation (VESA standard) with NaViSet and NaViKey; WindowsVistaCertifiedLogo
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; Monitor; Power Cable; Setup Guide; Signal Cable DisplayPort; USB Cable
Safety and Ergonomics	CE; EnergyStar 8.0; FCC Class B; GEEA/Energy Label; ISO 9241-307 (pixel failure class I); MPR III; PCT/Gost; RoHS; TCO 8.0; 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); Human sensor; Intelligent Power Management
Ecological Materials	Downloadable manuals
Ecological Standards	Energy Star 8.0; TCO 8.0

CE   FCC Class B   GEEA/Energy Label   MPR III   PCT/Gost   RoHS

TÜV Ergonomics   TÜV GS   TCO 8.0