NEC

NEC MultiSync® EA244UHD

NEC LCD 24" Commercial Display

NEC is ushering in a new era of visual experience with the MultiSync® EA244UHD.

The EA244UHD is a high performance IPS display with the latest 4K UHD (3840x2160) super resolution and accurate wide colour gamut capability. Offering the very latest DisplayPort connectivity (UHD at 60Hz), as well as a range of DVI and HDMI inputs, this monitor can be used in many mission critical applications, where decision making is based on highly detailed, accurate and reliable image quality. Outstanding ergonomic comfort makes it very user-friendly and further enhances professional productivity.

Minimize power consumption - 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.

Comprehensive network-wide asset management and easier remote support - NaViSet Compatible.

Expanded connectivity - 6 signal inputs (DVI-D, DP, HDMI, USB) and MHL connection for latest smartphone office productivity.

Straightforward radiological review applications - DICOM Simulation.

Benefits

Rich detail and complete image overview - 4K UHD resolution 3840x2160.

Uncompromising image quality and more realistic colour reproduction - 10-bit IPS AdobeRGB Wide Gamut Colour.

Multi-source management - Advanced Picture-by-Picture to show simultaneously up to 4 different images from a variety of video inputs.

Ergonomic Office - full height adjustability (130 mm) and tilt functionality ensure perfect individual ergonomic set-up.

www.nec-display-solutions.com

Technical Specification NEC MultiSync® EA244UHD

DISPLAY

Panel Technology	IPS TFT with W-LED backlight
Screen Size [inch/cm]	23.8 / 60.5
Screen Aspect Ratio	16:9
Pixel Pitch [mm]	0.14
Brightness (typ.) [cd/m²]	350
Contrast Ratio (typ.)	1000:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	5
Colours [Billion]	1.073 (10-bit per colour)
Colour Gamut Size / Coverage	107% / 99% Adobe RGB

SYNCHRONISATION RATE

Horizontal Frequency [kHz]	31.5 - 134
Vertical Frequency [Hz]	30 - 75

RESOLUTION

Optimum Resolution	3840 x 2160 at 60 Hz
Supported	3840 x 2160; 2560 x 1600; 2560 x 1440; 1920 x 2160; 1920 x 1080; 1280 x 2160; 1280 x 960; 1152 x 870; 1152 x 864; 1024 x 768; 832 x 624; 800 x 600; 720 x 400; 640 x 480

CONNECTIVITY

Digital	1 x HDMI; 1 x HDMI/MHL; 2 x DisplayPort; 2 x DVI-D; USB ver. 3.0 (1 down / 3 up)

ELECTRICAL

Power Consumption on Mode [W]	41 (Eco Mode); 52 (typ.); 79 (max.)
Power Savings Mode [W]	0.32
Power Supply	1.1 A/0.5 A; 100-120 V/220-240 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

Bezel Width [mm]	14.8 (left and right); 18.1 (top and bottom)
Dimensions (W x H x D) [mm]	558.2 x 386.7 x 218
Weight [kg]	7
VESA Mounting [mm]	100 x 100

ADDITIONAL FEATURES

Special Characteristics	Ambient light sensor for optimized brightness levels; Carbon Footprint Meter; Carbon Savings Meter; ControlSync®; Cost Meter; DICOM Simulation; DisplayPort; ErgoDesign®: Height adjustable stand (130 mm), swivel (170°), and portrait (90°); Human Sensor; LED Backlight Technology; NaViSet Administrator 2; Picture-by-Picture; Rapid Response Technology; USB ver. 3.0 (3 down / 1 up); Versatile installation (VESA standard), with integrated speakers (1+1 W); 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	Headphone Jack; Integrated Speakers (1 W + 1 W)
Adjust Functions	Auto Adjust; Brightness; Colour Temperature Control; Contrast; Fine Adjust (analog); Language Select; Monitor Information; On-Screen-Display (OSD) lock-out; Volume
Shipping Content	Audio Cable; CD-ROM; Monitor; Power Cable; Sales Office List; User Manual Signal Cable: DisplayPort
Safety and Ergonomics	CE; EAC; Energy Star 6.0; EPEAT™ Gold; 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 4. + 5. year warranty extension

GREEN FEATURES

Energy Efficiency	LED backlight technology
Ecological Standards	Energy Star 6.0; EPEAT Gold; ErP compliant; RoHS compliant; TCO 6.0

Empowered by Innovation

NEC