Datasheet

NEC MultiSync® EA271U – outstanding pixel-free visualisation with future-proof professional office productivity

Where highest detail display quality is of the utmost importance, only 4K UHD resolutions can provide the perfect tool for the job. This 27" ultra-narrow bezel display delivers peak performance and visualisation with up to 3840 x 2160 pixels for superior productivity for professionals.

With high attention to user well-being, this display offers outstanding ergonomic features for an individually tailored workspace. Furthermore, with an integrated ambient light sensor, Low Blue Light and Flicker-Free technology, the user can maintain high productivity without risk to eyes. Maintain focus with a decluttered desk; with Type-C connectivity, just a single cable manages video, audio, power and USB. Excellence in future-proof connectivity ensures investment protection and peace of mind.

This display is perfectly positioned to meet the demanding pixel-free visualisation needs of content creators (photo, video, cinema, and movies), CAD/CAM designers as well as control room and trading floor operators.

Benefits

Deliver highest display quality – optimize your workflow by displaying bigger spreadsheets, clearer text, extended data, more lines of code and life-like images thanks to 4K UHD resolutions with up to 3840x2160 pixels.

Newest USB Type-C connectivity standard – optimize connectivity and declutter your desk; replace video, audio, power and USB cabling with just a single cable to connect your notebook/tablet PC with the display.

Maximum attention to health and well-being – the outstanding ergonomic height adjustment from 0 to 150 mm; eye pleasing built-in Low Blue Light and Flicker-Free technology; plus integrated ambient light sensor all combines to tailor the perfect individual setup to boost productivity.

Best in form and function – future-ready design with 3-sided ultra-narrow bezel, available in black or white, complementing a fresh professional office interior.

Auto-Adjust Power Consumption – to minimize unnecessary power usage, the Human and Ambient Light Sensors adjust the display brightness according to user presence and room lighting conditions.

Ease of multi-display control – Manage the settings of up to six displays in a multi-monitor configuration via the master display with ControlSync® technology.

Product Information

Product Name	MultiSync® EA271U
Product Group	LCD 27" Commercial Display
Order Code	60004302 (BK), 60004691 (WH)

Display

Panel Technology	IPS TFT with W-LED backlight
Screen Size [inch/cm]	27 / 68
Screen Aspect Ratio	16:9
Colour Gamuts	110 % sRGB; 81.6% AdobeRGB, 78% NTSC
Pixel Pitch [mm]	0.155
Brightness (typ.) [cd/m²]	350
Contrast Ratio (typ.)	1300:1 (9000:1 dynamic contrast ratio)
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	5
Colours [Mio.]	1064.64332261

Synchronisation Rate

Horizontal Frequency [kHz]	31.5 - 135
Vertical Frequency [Hz]	30 - 75

Resolution

Optimum Resolution	3840 x 2160 at 60 Hz		
Supported	3840 x 2160;	1920 x 1080;	1152 x 864;	800 x 600;
	2560 x 1440;	1600 x 1200;	1024 x 768;	640 x 480
	1920 x 1440;	1280 x 1024;	832 x 624;	

Connectivity

Digital	1 x DisplayPort; 1 x USB Type C (60 W); 2 x HDMI; USB ver. 3.1 (3 down / 2 up)

Electrical

Power Consumption on Mode [W]	150 (max.); 30 (Eco Mode 1); 38 (Eco Mode 2); 38 (shipping)
Power Savings Mode [W]	0.33
Power Supply	1.6 A/0.75 A; 100-240 V; integrated power supply

Environmental Conditions

Operating Temperature [°C]	+5 to +35
Operating Humidity [%]	20 to 80
Storage Humidity [%]	10 to 85
Storage Temperature [°C]	-10 to 60

Ergonomics

Height adjustable stand [mm]	150 (Landscape mode)
Screen Tilt [°]	-5 to 35
Screen Swivel [°]	-170 to +170
Screen Rotate [°]	0 to 90 (landscape to portrait mode)

Mechanical

Bezel Width [mm]	1 (left and right); 1 (top)
Dimensions (W x H x D) [mm]	361.9 x 628.6 - 652.1 x 250 (Portrait mode); 611.8 x 378 - 528 x 250 (Landscape mode)
Weight [kg]	With stand: 9.5; Without stand: 6.1
VESA Mounting [mm]	100 x 100

Additional Features

Special Characteristics	Advanced NTAA; Ambient light sensor for optimized brightness levels; ControlSync®; Customize Setting; DDC/CI compatible; DICOM Simulation; EcoModes; ErgoDesign®: Height adjustable stand (150 mm) with 90° Pivot features; Human Sensor; LED Backlight Technology; Picture-by-Picture; Versatile and easy installation (VESA standard) with NaViSet and NaViKey
Colour Versions	Black Front Bezel, Black Back Cabinet
Cable Management	yes
Kensington security slot	yes
Plug and Play	EDID Standard; VESA DDC2Bi; VESA DDCi
Audio	1W + 1W (De-activateable); Headphone Jack
Adjust Functions	DV Mode; EcoMode; Human Sensing; Intelligent Power Management; NTAA (Non-Touch-Auto-Adjustment); sRGB
Shipping Content	Control Sync Cable; Display; DisplayPort cable; Power Cable; Set-up manual; USB Cable
Safety and Ergonomics	CE; EAC; ErP; Flicker-free; ISO 9241-307 (pixel failure class I); PSB; RoHS; 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; Carbon Footprint Meter / Carbon Savings Meter; ECOMode; Human sensor; LED backlight technology
Ecological Materials	Minimal use of harmful material
Ecological Standards	Energy Star 5.0; ErP compliant; RoHS compliant; TCO 7.0

CE	ErP	RoHS	TÜV Ergonomics	TÜV GS