

MultiSync® EA271U
LCD 27" Commercial Display

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/m ²] | 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

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

Resolution

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

Connectivity

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

Electrical

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|-------------------------------|---|
| 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

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

Ergonomics

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|------------------------------|--------------------------------------|
| 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

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|-----------------------------|---|
| 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; Quick release Stand and Handle; 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

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|----------------------|--|
| 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

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