

MultiSync® PA271Q  
LCD 27" Professional Display

## Datasheet



### **NEC MultiSync® PA271Q - outstanding professional office and creative productivity, with colour reproduction you can trust**

With superior colour management combined with outstanding ergonomic features, this 27" display benefits from superior accuracy in visualisation and office performance.

Drive your creative output with outstanding colour reproduction: the AH-IPS panel, 14 bit gamma 3D look up table, SpectraView® Engine and extraordinary calibration options combine to bring you comprehensive creative credentials. For long-term calibration accuracy the display provides an integrated calibration sensor and supports an external sensor. No need for an extra host-based calibration application - simply connect the external sensor to the display's USB port and administrate your desired calibration target in the on-screen menu. Declutter your desk using the display's USB Type-C connectivity managing video, audio, power and USB with just a single cable.

With best ergonomics and user well-being protection, the display attracts office and creative professionals.

## Benefits

**Dependable colour and brightness reproduction** - the built-in NEC SpectraView colour engine controls the wide AdobeRGB colour space and 3D LUT, and adjusts luminance values via the integrated backlight sensor for long lasting calibrated colour accuracy.

**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.

**Effort-saving calibration process** - no need for an extra host-based calibration application; simply connect the external calibration sensor to the display's USB port and administrate your desired calibration target in the display's on-screen menu.

**Maximise image quality with Uniformity Control** - benefit from perfect uniformity across multi-screen setups with just one click in the display's on-screen menu.

**24/7 option enhancement** - highly demanding applications require continuous operation. To suit your needs a service enhancement can be ordered on request.

**Efficient display management with LAN Control** - to faster and more efficient control, especially when managing large number of displays, via custom application or web browser on a connected PC or mobile device.

## Product Information

Product Name	MultiSync® PA271Q
Product Group	LCD 27" Professional Display
Order Code	60004305

## Display

Panel Technology	IPS TFT with W-LED backlight
Screen Size [inch/cm]	27 / 69
Screen Aspect Ratio	16:9
Colour Gamuts	100 % sRGB; 99% AdobeRGB, 96% NTSC
Pixel Pitch [mm]	0.223
Brightness (typ.) [cd/m <sup>2</sup> ]	350
Contrast Ratio (typ.)	1500:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	8
Colours [Billion]	1.074 (10-bit per colour)

## Synchronisation Rate

Horizontal Frequency [kHz]	15 - 92
Vertical Frequency [Hz]	23 - 86

## Resolution

Optimum Resolution	2560 x 1440 at 60 Hz			
Supported	2560 x 1440; 1920 x 2160; 1920 x 1200; 1920 x 1080p; 1680 x 1080;	1680 x 1050; 1600 x 1200; 1440 x 900; 1280 x 1440; 1280 x 1024;	1280 x 960; 1280 x 720p; 1152 x 864; 1024 x 768; 832 x 624;	800 x 600; 720 x 576p; 720 x 480p; 640 x 480p

## Connectivity

Digital	1 x DisplayPort; 1 x DisplayPort out; 1 x Mini DisplayPort; 1 x USB Type C; 2 x HDMI; USB ver. 3.1 (3 down / 2 up)
Output Control	1x LAN/RJ45

## Electrical

Power Consumption on Mode [W]	110 (max.); 33 (Eco Mode); 60 (typ.)
Power Supply	1.5 A/0.73 A; 100-240 V; integrated power supply
Power Savings Mode [W]	< 2 (Networked Standby)

## Environmental Conditions

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

## Ergonomics

Height adjustable stand [mm]	150 (Landscape mode)
Screen Tilt [°]	-5 to 30
Screen Swivel [°]	-170 to 170

Screen Rotate [°] 0 to 90 (landscape to portrait mode)

## Mechanical

Bezel Width [mm]	20 (top and bottom); 20.3 (left and right)
Dimensions (W x H x D) [mm]	640.2 x 395.7 - 545.7 x 233 (Landscape mode); Without stand: 640.2 x 378.6 x 65.4
Weight [kg]	With stand: 9.7; Without stand: 6.9
VESA Mounting [mm]	100 x 100 (4 points)

## Additional Features

Special Characteristics	Adjustable power LED (colour and brightness); Auto Black Level; Auto Brightness; Auto Contrast; AutoBright; CableComp with Sync Continuity Detection; ColorComp; DDC/CI compatible; DICOM Simulation; Direct Brightness and Contrast; EcoModes; GammaComp (14-bit Look Up Table); Integrated USB Hub (3 up; 3 down); Overdrive; Picture-in-Picture Mode; PiP/PbP; Programmable 3D LUT; Quick release Stand and Handle; Rapid Response Technology; RapidMotion; Self Diagnostics; TileComp; TileMatrix; TORO™ Design; Windows 8 compatible
Colour Versions	Black Front Bezel, Black Back Cabinet
Cable Management	yes
Kensington security slot	yes
Plug and Play	EDID Standard; VESA DDC/CI; VESA DDC2B
Audio	Headphone Jack; Integrated Speakers (1 W + 1 W)
Adjust Functions	Advanced User Menu; Auto Adjust; Black Level; Brightness; Colour Temperature Control; Contrast; Expansion Mode; Fine Adjust (analog); Hotkeys; Intelligent Power Management; Language Select; Monitor Information; OmniColor™: sRGB and 6-axis-colour-control; On-Screen-Display (OSD) lock-out; PiP; Sharpness; USB
Shipping Content	DisplayPort Cable; DisplayPort to Mini DisplayPort Cable; Mini DisplayPort Cable; Monitor; Power Cable; Set-up Manual; Setup Guide; USB Cable
Safety and Ergonomics	CE; EAC; ErP; FCC Class B; Flicker-free; ISO 9241-307 (pixel failure class 2); Low Blue Light; PSB; RoHS; TÜV Ergonomics; TÜV GS; UL/C-UL or CSA; WEEE
Warranty	3 years warranty incl. backlight; optional 1st to 3rd year 24/7 usage warranty; optional 4th to 5th year warranty extension
Optional Accessories	MDSVSENSOR 3

## Green Features

Energy Efficiency	Annual energy consumption: 47 kWh (based on 4 operating hours per day); Carbon Footprint Meter / Carbon Savings Meter; Energy efficiency class: C
Ecological Materials	Efficient mechanical design for minimised packaging; Minimal use of harmful material
Ecological Standards	ErP compliant; RoHS compliant



CE



ErP



FCC Class B



RoHS



TÜV  
Ergonomics



TÜV GS

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