SHARP / NEC

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

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	NEC 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/m²]	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	1024 x 768;	1280 x 960;	1920 x 1080p;	720 x 480p;
	1152 x 864;	1440 x 900;	1920 x 1200;	720 x 576p;
	1280 x 1024;	1600 x 1200;	1920 x 2160;	800 x 600;
	1280 x 1440;	1680 x 1050;	2560 x 1440;	832 x 624
	1280 x 720p;	1680 x 1080;	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

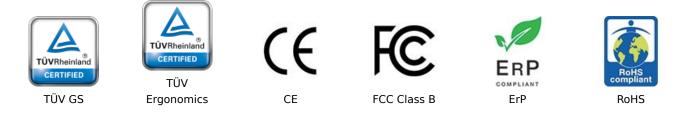| Screen Rotate [°]	0 to 90 (landscape to portrait mode)

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	Carbon Footprint Meter / Carbon Savings Meter; Energy consumption: 53 kWh/1000 h; Energy efficiency class: G
Ecological Materials	Efficient mechanical design for minimised packaging; Minimal use of harmful material
Ecological Standards	ErP compliant; RoHS compliant

TÜV GS	TÜV Ergonomics	CE	FCC Class B	ErP	RoHS