

## MultiSync® PA272W-SV2 NEC LCD 27" Professional Display

### Datasheet



**Professional Reference 10-bit AH-IPS GB-R LED Display** unites high reliability, uncompromising image quality and highly accurate colour reproduction. The PA272W allows 24/7 usage (with optional Warranty extension) and error-free, intensive viewing. The included SpectraView II application software works with the in-built SpectraView Engine performance and external sensor (optional) to deliver the best hardware calibration with life-like colours. With the Ambient Light Sensor and Carbon Footprint Meter, the Display also promotes professional green productivity and minimises the life-cycle environmental impact.

The ideal display for all mission critical applications, creative professionals, designers, photographers, CAD-CAM, video-editing, finance, precision engineering, medical imaging, broadcasting and industrial applications (e.g. NDT) and anyone who cares about their visual work.

### Benefits

**Uncompromising Image Quality** full colour control thanks to 10-bit IPS, Digital Uniformity Control, 14-bit hardware LUT, SpectraView Engine performance and SpectraView II calibration control.

**Instant Real-time Visualisation** - with the 3D LUT colour emulation and the picture-in-picture function you can simulate accurately different lighting conditions with varying paper colours.

**Responsible Approach to Environmental Impact** - is maintained, without any performance compromise: Ambient Light Sensor, Carbon Footprint Meter / Carbon Savings Meter and efficient cabinet packing design.

**Future-proof Connectivity** - as well as easier support of high resolution, 10-bit AH-IPS colour signals is assured with the DisplayPort connector.

**Improved Productivity and Reduced Desk Clutter** - through easy multi-platform support and input following USB hub. Picture-by-picture allows two different platforms to be simultaneously viewed. A single mouse and keyboard can be switched to the active operating system.

**Save Time and Increase Personal Productivity** - see reality on your screen and see your creative masterpieces precisely as you envisioned them.

## Product Information

Product Name	MultiSync® PA272W-SV2
Product Group	NEC LCD 27" Professional Display
Order Code	60003949 (BK)

## Display

Panel Technology	AH-IPS GB-R LED Backlight
Screen Size [inch/cm]	27 / 68.5
Screen Aspect Ratio	16:9
Brightness (typ.) [cd/m <sup>2</sup> ]	340
Contrast Ratio (typ.)	1000:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	16 (8 white / black; 8 black / white); 6 (grey-to-grey)
Colours [Billion]	1.074 (10-bit per colour)
Colour Gamut Size / Coverage	108.6% / 99.3% Adobe RGB

## Synchronisation Rate

Horizontal Frequency [kHz]	31.5 - 96.5
Vertical Frequency [Hz]	50 - 85

## Resolution

Optimum Resolution	2560 x 1440 at 60 Hz
Supported	2560 x 1440; 1920 x 1080p; 1600 x 1200; 1280 x 1440; 1280 x 1024; 1280 x 960; 1280 x 720p; 1200 x 1920; 1152 x 870; 1152 x 864; 1024 x 768; 832 x 624; 800 x 600; 720 x 576p; 720 x 480p; 720 x 400; 640 x 480; 640 x 480p

## Connectivity

Digital	1 x DisplayPort; 1 x HDMI; 1 x Mini DisplayPort; 1x DVI-D (Dual Link); USB ver. 2.0 (3 down / 2 up)
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## Electrical

Power Consumption on Mode [W]	37 (Eco Mode); 50 (typ.); 73 (max.)
Power Savings Mode [W]	1.4
Power Supply	0.45 A/1 A; 100-240 V; integrated power supply

## Environmental Conditions

Operating Temperature [°C]	+5 to +35
Operating Humidity [%]	20 to 80

## Ergonomics

Height adjustable stand [mm]	150; 150 (Landscape mode)
Screen Tilt / Swivel [°]	-5 to +30; -45 to +45
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]	640.4 x 396.2 - 546.2 x 235.5 (Landscape mode); Without stand: 640.4 x 378.6 x 85
Weight [kg]	12.9; Without stand: 8.9
VESA Mounting [mm]	100 x 100 (4 points); 200 x 100 (5 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; Direct Brightness and Contrast; EcoModes; GammaComp (14-bit Look Up Table and 16-bit processing); GB-R LED Backlight; Integrated USB Hub (2 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
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	CD-ROM; Monitor; Power Cable; Setup Guide; SpectraView II Application Software Signal Cable: 1 x DVI-D; Mini DisplayPort
Safety and Ergonomics	C-tick; CCC; CE; ErP; FCC Class B; ISO 9241-307 (pixel failure class I); MPR II/ MPR III; PCBC/B-mark; PCT/Gost; PSB; RoHS; TÜV Ergonomics; TÜV GS; UL/C-UL or CSA
Warranty	3 years warranty incl. backlight

## Green Features

Energy Efficiency	Annual energy consumption: 73 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



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