Datasheet

The NEC MultiSync ® P242W delivers outstanding image quality with class-leading ergonomics for demanding professional applications. 15 cm height adjust, latest DisplayPort connector, Digital Uniformity Control, integrated USB hub and Picture-in-Picture give advanced users all the flexibility and image quality to ensure highest personal productivity. This outstanding display cabinet has won the prestigious iF Design Award.

The ideal display for professional design, CAD-CAM, finance, demanding office and industrial applications (e.g. NDT).

Benefits

Ergonomic Office – full height adjustability (150 mm), tilt and flat mode ensures perfect individual ergonomic set-up.

Extraordinary Features – such as Digital Uniformity Control, Picture-in-Picture, USB Hub, 3D LUT colour space emulation, backlight ageing correction, DisplayPort.

Future-proof Connectivity – as well as easier support of high resolution and HDMI signals, 10-bit colour input 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.

Image display – 24inch 16:10 IPS with LED backlight.

DICOM preset – for medical radiological review applications.

Product Information

Product Name	MultiSync® P242W
Product Group	LCD 24" Professional Display
Order Code	60003419 (BK), 60003418 (WH)

Display

Panel Technology	IPS TFT with W-LED backlight
Screen Size [inch/cm]	24 / 61
Colour Gamuts	75% AdobeRGB, 75.2% NTSC
Pixel Pitch [mm]	0.270
Brightness (typ.) [cd/m²]	350
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); 8 (grey-to-grey)
Colours [Mio.]	16.77

Synchronisation Rate

Horizontal Frequency [kHz]	31.5 - 91.1 and 118.4 (digital); 31.5 - 93.8 and 118.4 (analog)
Vertical Frequency [Hz]	50 - 85

Resolution

Optimum Resolution	1920 x 1200 at 60 Hz
Supported	1920 x 1080p; 1600 x 1200; 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 DVI-D; 1 x HDMI
Analog	1 x D-sub 15 pin

Electrical

Power Consumption on Mode [W]	17 (Eco Mode); 22 (typ.); 30 (max.)
Power Savings Mode [W]	1
Power Supply	0.83 A/0.47 A; 100-240 V; integrated power supply

Environmental Conditions

Operating Temperature [°C]	+5 to +35
Operating Humidity [%]	30 to 80

Ergonomics

Height adjustable stand [mm]	110; 150 (Landscape mode); Pivot 90°
Screen Tilt / Swivel [°]	-5 to 30; -45 to 45

Mechanical

Bezel Width [mm]	18.2; 18.2 (left and right); 18.2 (top and bottom)
Dimensions (W x H x D) [mm]	556.8 x 378 - 528 x 227.6 (Landscape mode); Without stand: 556.8 x 362.4 x 85
Weight [kg]	10.2; Without stand: 7.4
VESA Mounting [mm]	100 x 100 (4 points); 200 x 100 (5 points)

Additional Features

Special Characteristics	14 Bit Look Up Table for 14 Bit smooth Gamma curves; Advanced NTAA; AmbiBright; Auto Black Level; Auto Brightness; Auto Contrast; Backlight Ageing Correction; CableComp with Sync Continuity Detection; ColorComp; DDC/CI compatible; DICOM preset; Direct Brightness and Contrast; EcoModes; LED Backlight Technology; NaViSet Administrator 2; OmniColor™: sRGB and 6-Axis-Colour-Control; Overdrive; Quick release Stand and Handle; Rapid Response Technology; RapidMotion; Self Diagnostics; TileComp; TileMatrix; TORO™ Design; Viewing Angle Stability
Colour Versions	Black Front Bezel, Black Back Cabinet; Silver Front Bezel; White Back Cabinet
Cable Management	yes
Kensington security slot	yes
Plug and Play	EDID Standard; VESA DDC/CI; VESA DDC2B
Adjust Functions	Advanced NTAA (Advanced Non-Touch-Auto-Adjustment); 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; Sharpness
Shipping Content	Monitor; Power Cable; Setup Guide; Signal Cable DisplayPort Signal Cable: [value1] x DVI-D; VGA - VGA
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; TCO 6.0; TÜV Ergonomics; TÜV GS; UL/C-UL or CSA
Warranty	3 years warranty incl. backlight

Green Features

Energy Efficiency	Ambient light sensor; Auto brightness; Carbon Footprint Meter / Carbon Savings Meter; ECOMode; Energy efficiency class: A; Intelligent Power Management; Reduced consumption
Ecological Materials	100% recyclable packaging; Arsenic-free panel module; Black model built from recycled plastics
Ecological Standards	ErP compliant; ISO 14001; RoHS compliant; WEEE

CE	C-tick	ErP	FCC Class B	MPR II/ MPR III	PCT/Gost ME06

RoHS	TÜV Ergonomics	TÜV GS	TCO 6.0