\Orchestrating a brighter world NEC

MultiSync® PA242W
LCD 24" Professional Display

Datasheet

Professional Reference 10-bit AH-IPS GB-R LED Display delivers uncompromising image quality as well as minimising life-cycle environmental impact. Uniting outstanding colour reproduction, class-leading ergonomics, an built-in carbon savings meter, ambient light sensor and 10-bit AH-IPS performance makes it ideal for creative professionals.

The ideal display for all 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

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.

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.

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® PA242W
Product Group	LCD 24" Professional Display
Order Code	60003490 (BK), 60003491 (WH)

Display

Panel Technology	AH-IPS GB-R LED Backlight
Screen Size [inch/cm]	24.1 / 61.1
Screen Aspect Ratio	16:10

Brightness (typ.) [cd/m²]	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); 8 (grey-to-grey)
Colours [Billion]	1.073 (10-bit per colour)
Colour Gamut Size / Coverage	108.6% / 99.3% Adobe RGB

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]	28 (Eco Mode); 37 (typ.); 56 (max.)
Power Savings Mode [W]	2
Power Supply	0.84 A/0.38 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]	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]	10.6; Without stand: 7.4
VESA Mounting [mm]	100 x 100 (4 points); 200 x 100 (5 points)

Additional Features

Special Characteristics	Adjustable power LED (colour and brightness); Advanced NTAA; AmbiBright; 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); NaViSet Administrator 2; 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; Silver Front Bezel, Light Grey 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; PiP; Sharpness; USB
Shipping Content	CD-ROM; Monitor; Power Cable; Setup Guide 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; TCO 6.0; TÜV Ergonomics; TÜV GS; UL/C-UL or CSA
Warranty	3 years warranty incl. backlight

Green Features

Energy Efficiency	Annual energy consumption: 54 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; TCO 6.0

This document is © 2017 NEC Display Solutions Europe GmbH.

All rights reserved in favour of their respective owners. All hardware and software names are brand names and/or registered trademarks of the respective manufacturers. All specifications are subject to change without notice. Errors and omissions are excepted. 07.02.2017