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MultiSync® PA322UHD-2-SV2

NEC LCD 32" Professional Display

Datasheet





Professional Reference 10-bit IPS type with IGZO technology and W-LED Display unites high reliability, uncompromising image quality and highly accurate colour reproduction. The PA322UHD-2-SV2 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 14-bit LUT and an external sensor (optional) to deliver the outstanding 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

Ambient Light Sensor – with Auto Brightness function always sets optimised brightness level according to ambient light and content conditions.
Enhanced imaging performance – advanced settings of all relevant visual parameters for full control of brightness, colour, gamma and uniformity with Spectraview Engine.
Ergonomic Office – full height adjustability (150 mm), swivel, tilt and pivot functionality ensures perfect individual ergonomic set-up.
Stunning "pixel-free" ergonomic viewing – delivered by an Ultra High Definition (3,840 x 2,160) Professional LED backlit 10-bit IPS type LCD panel with IGZO technology.
Reliable colour reproduction – due to 10-bit colour performance, wide gamut covering 99 % of AdobeRGB, and hardware calibratable 14-bit LUT for accurate image presentation.
Future Ready with Extension Slot based on OPS Form Factor – upgrade the capabilities of your display at any time without the need for external cables or devices.
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.
Advanced Picture by Picture – simultaneously show up to 4 different video inputs.

Product Information

Product Name	MultiSync® PA322UHD-2-SV2
Product Group	NEC LCD 32" Professional Display
Order Code	60004138

Display

Panel Technology	IPS TFT with W-LED backlight
Screen Size [inch/cm]	31.5 / 80
Screen Aspect Ratio	16:9
Pixel Pitch [mm]	0.18
Brightness (typ.) [cd/m²]	350
Contrast Ratio (typ.)	1000:1
Viewing Angle [°]	176 horizontal / 176 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	10 (grey-to-grey); 24 (12 white / black; 12 black / white)
Colours [Billion]	1.074 (10-bit per colour)

Synchronisation Rate

Horizontal Frequency [kHz]	31.5 - 134
Vertical Frequency [Hz]	24 - 120

Resolution

Optimum Resolution	3840 x 2160 at 60 Hz
Supported	3840 x 2160 (24/25/30/60 Hz); 2560 x 1600; 2560 x 1440 (30/50/60/75/85 Hz); 1920 x 1080 (24/25/30/50/60/75/85/100/120 Hz); 1280 x 2160; 1280 x 720 (50/60/75/85/100/120 Hz); 1152 x 870; 1152 x 864; 1024 x 768; 832 x 624; 800 x 600; 720 x 400; 640 x 480

Connectivity

Digital	1 x HDMI 2.0; 2 x DisplayPort; 2 x DVI-D; 4 x HDMI; USB ver. 3.0 (3 down / 2 up)

Electrical

Power Consumption on Mode [W]	100 (max.); 53 (Eco Mode); 73 (typ.)
Power Savings Mode [W]	5
Power Supply	1.51 A/0.6 A; 100-120 V/220-240 V; internal power supply

Environmental Conditions

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

Ergonomics

Height adjustable stand [mm]	150
Screen Tilt [°]	-5 to +30
Screen Swivel [°]	-45 to +45
Screen Rotate [°]	0 to 90 (landscape to portrait mode)

Mechanical

Bezel Width [mm]	21.9 (left and right); 22.5 (top and bottom)
Dimensions (W x H x D) [mm]	745 x 469 x 302
Weight [kg]	20.5
VESA Mounting [mm]	100 x 100; 200 x 100

Additional Features

Special Characteristics	Ambient light sensor for optimized brightness levels; Auto Black Level; Auto Brightness; Backlight Sensor; Carbon Footprint Meter; Carbon Savings Meter; Cost Meter; DICOM Simulation; Digital Uniformity Control (ColorComp); DisplayPort; ErgoDesign®: Height adjustable stand (150 mm), swivel (45°), and portrait (90°); GammaComp (14-bit Look Up Table and 16-bit processing); LED Backlight Technology; NaViSet Administrator 2; Picture-in-Picture Mode; PiP/PbP; Programmable 3D LUT; Quick release Stand and Handle; RapidMotion; Self Diagnostics; TORO™ Design; USB ver. 3.0 (3 down / 2 up); Versatile installation (VESA standard), with integrated speakers (2+2 W)
Colour Versions	Black Front Bezel, Black Back Cabinet
Cable Management	yes
Kensington security slot	yes
Plug and Play	DDC2B/2Bi; EDID Standard; VESA DDC/CI
Audio	Headphone Jack; Integrated Speakers (2 W + 2 W)
Adjust Functions	Auto Adjust; Brightness; Colour Temperature Control; Language Select; Monitor Information; On-Screen-Display (OSD) lock-out; Volume
Shipping Content	CD-ROM; Monitor; Power Cable; Setup Guide; SpectraView II Application Software Signal Cable: DisplayPort; Mini DisplayPort
Safety and Ergonomics	CE; EAC; FCC Class B; ISO 9241-307 (pixel failure class I); RoHS; UL/C-UL or CSA
Warranty	3 years warranty incl. backlight
OPS Options	HD-SDI 1.5G, 3G
Optional Accessories	MDSVSENSOR 3

Green Features

Energy Efficiency	Annual energy consumption: 134 kWh (based on 4 operating hours per day); Energy efficiency class: D; LED backlight technology
Ecological Standards	ErP compliant; RoHS compliant

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