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