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SpectraView® Reference 322UHD-2

NEC LCD 32" Colour Accurate Display

Datasheet





Professional 31.5 Colour Display. The NEC SpectraView Reference 322UHD-2 is a high-end professional performance LCD monitors using the latest 10-bit IGZO technology IPS-type LED backlit LCD for colour critical applications with many features and benefits for obtaining best picture quality, colour accuracy and critical applications requiring absolute attention to detail.

The ideal display for all creative professionals, designers, photographers, videographers, broadcast engineers and anyone who cannot accept compromise on colour accuracy.

Benefits

Stunning "pixel-free" ergonomic viewing – delivered by an Ultra High Definition (3840 x 2160) Professional LED backlit 10-bit IPS type LCD panel with IGZO technology.
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.
True Colours – with a wide colour gamut (102 % size / 99 % coverage AdobeRGB) and hardware calibration with 14-bit LUT (look up table) for 42-bit colour control and gamma correction, irrespective of colour and input.
Facility to create and calibrate – thanks to the SpectraView® Profiler software, the SpectraView®certifier document and detachable black light protection hood including accessories.
Ergonomic Office – full height adjustability (150 mm), swivel, tilt and pivot functionality ensures perfect individual ergonomic set-up.
Zero Defect Pixel Warranty – up to 6 months after date of purchase.

Product Information

Product Name	SpectraView® Reference 322UHD-2
Product Group	NEC LCD 32" Colour Accurate Display
Order Code	60004137

Display

Panel Technology	IPS Type 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)
Colour Gamut Size / Coverage	101% / 99.2% Adobe RGB

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]	0.5
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; 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; CD-ROM with SpectraView® Profiler Software and manual; Detachable black light protection hood including accessories; Monitor; Power Cable; Setup Guide 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	5 years warranty incl. backlight; Zero Defect Pixel Warranty up to 6 months after date of Purchase
OPS Options	HD-SDI 1.5G, 3G

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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