\Orchestrating a brighter world NEC

SpectraView® Reference 322UHD-2

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 | 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; Non-alcoholic Screen Cleaner Kit; Power Cable; Setup Guide; SpectraView® Certifier document<br>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 |

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. 06.06.2017