\Orchestrating a brighter world

NEC

MultiSync® X981UHD-2

LCD 98" Ultra-High Definition Large Format Display

# Datasheet







**Unmatched richness of detail, commanding in its presence**

Enjoy a new era of visual experience with an expansive digital canvas delivering pixel-free viewing. This vast 98 inch (248 cm) Ultra High Definition (UHD) screen is commanding in its presence making it perfectly suited for reference applications and larger meeting groups up to 15 people where intense detail and colour accuracy is demanded.  The 3840 x 2160 resolution facilitates both distance and proximity viewing with precise colour fidelity regardless of the viewing angle for a reality-like visual experience. Designed for 24/7 operation and offering high usage flexibility thanks to its wide connectivity, this screen provides future-proof investment security.

This state-of-the-art technology is ideal for any heavy duty applications including professional conferencing, life-size retail signage, control room, medical review as well as CAD/CAM and creative multimedia design.

## Benefits

**Stunning "pixel-free" ergonomic viewing** – delivered by an Ultra High Definition (3,840 x 2,160) Professional LED backlit S-IPS panel.

**Enhanced imaging performance** – advanced settings of all relevant visual parameters allow full control of brightness, colour, gamma and uniformity via the Spectraview Engine for precise, natural images.

**Reliable colour reproduction** – due to 10-bit colour performance, extreme viewing angles and hardware calibratable LUT, viewers benefit from consistently accurate image rendering.

**Mission-critical 24/7 ready operation** – with reliable, industry grade components and NEC trusted performance.

**Wide array of flexible application scenarios** – thanks to multi-source conferencing and efficient split-screen operation supported by a wide future-ready range of digital connectivity.

**Perfectly Scaled** – lower resolution content (e.g. FullHD) can be upscaled to UHD resolution via a bi-cubic 4x4 pixel interpolation algorithm in order to achieve smooth colours and clear edges.

**Future Ready with OPS Cable Free Expansion** – upgrade the power of your display at any time while seamlessly integrating one of our various Slot-in PCs, signal interfaces and other OPS compatible products without the need for external cables or devices.

**Free Download of Multi-Display Management Software** – with NaViSet Administrator 2 you can manage all your connected display devices from a centralised location.

### Product Information

| | |
|---|---|
| Product Name | MultiSync® X981UHD-2 |
| Product Group | LCD 98" Ultra-High Definition Large Format Display |
| Order Code | 60004106 |

### Display

| | |
|---|---|
| Panel Technology | S-IPS with Direct LED backlights |
| Active Screen Area (W x H) [mm] | 2,159 x 1,214 |
| Screen Size [inch/cm] | 98 / 248 |
| Brightness [cd/m²] | 500, 300 Eco (shipment setting) |
| Contrast Ratio (typ.) | 1300:1 |
| Viewing Angle [°] | 178 horizontal / 178 vertical (typ. at contrast ratio 10:1) |
| Response Time (typ.) [ms] | 8 (grey-to-grey) |
| Haze Level [%] | 1 |
| Supported Orientation | Face Up; Landscape; Portrait |

### Synchronisation Rate

| | |
|---|---|
| Horizontal Frequency [kHz] | 28 - 134 |
| Vertical Frequency [Hz] | 23 - 85 |

### Resolution

| | |
|---|---|
| Native Resolution | 3840 x 2160 at 60 Hz |
| Supported on DisplayPort and HDMI | 3840 x 2160 (24/30 Hz); 1920 x 1080; 1600 x 1200; 1360 x 768; 1280 x 1024; 1280 x 768; 1080i; 1080p; 1024 x 768; 800 x 600; 720p (50/60 Hz); 640 x 480; 576p (50 Hz); 480p (60 Hz) |
| Supported on DisplayPort only | 3840 x 2160 (60 Hz) |
| Supported on HDMI only | 4096 x 2160 (24 Hz); 3840 x 2160 (25 Hz); 1360 x 768; 576i (50 Hz); 480i (60 Hz) |

### Connectivity

| | |
|---|---|
| Input Video Digital | 1 x DisplayPort (with HDCP); 2 x DVI-D (with HDCP); 4 x HDMI (with HDCP) |
| Input Audio Analogue | 1 x 3,5 mm jack |
| Input Audio Digital | 1 x HDMI; DisplayPort |
| Input Control | LAN 100Mbit; remote control wire (3,5mm jack); RS232 |
| Output Control | LAN 100Mbit |
| Remote Control | LAN with SNMP; Remote Control IR (internal/external (optional) sensor); RS-232C (9-pin D-sub) Input |

### Open Modular Intelligence

| | |
|---|---|
| OPS Slot | Slot Technology: Open pluggable specification (NEC / Intel OPS standard) |
| Inrush Current [A] | max. 10 |
| Power Consumption [W] | max. 61 |
| Voltage / Current [V/A] | 16/4 |

### Sensors

| | |
|---|---|
| Ambient Light Sensor | Integrated, triggered actions programmable |
| Human Sensor | Optional, external, 4-5m range, triggered actions programmable |
| Temperature Sensor | Integrated, 3 sensors, triggered actions programmable |
| NFC Sensor | Integrated, 2cm range, free NEC Android App required |

### Electrical

| | |
|---|---|
| Power Consumption [W] | 348 Eco (shipment setting), 560 |

| | |
|---|---|
| Power Savings Mode [W] | < 0.5; < 0.5 (ECO Standby) |
| Power Management | VESA DPMS |

### Environmental Conditions

| | |
|---|---|
| Operating Temperature [°C] | +0 to +40 |
| Operating Humidity [%] | 20 to 80 |

### Mechanical

| | |
|---|---|
| Dimensions (W x H x D) [mm] | Without stand: 2,204 x 1,259 x 108 |
| Weight [kg] | Without stand: 95 |
| Bezel Width [mm] | 19.9; 19.9 bottom/right; 19.9 top/left |
| VESA Mounting [mm] | 4 holes; 400 x 400 (FDMI); M8 |
| Ingress Protection | IP40 (front); IP20 (back) |

### Additional Features

| | |
|---|---|
| Special Characteristics | Carbon footprint meter; DICOM support; NaViSet Administrator 2 |
| Colour Versions | Black Front Bezel, Black Back Cabinet |
| Safety and Ergonomics | C-tick; CE; FCC Class B; PSB; RoHS; TÜV GS; UL/C-UL or CSA; VCCI |
| Audio | Integrated Speakers (10 W + 10 W); Optional Speakers (15 W + 15 W) |
| Shipping Content | CD-ROM (User Guides/Manuals); Display; DisplayPort Cable; Power Cable; Remote Control |
| Warranty | 3 years warranty incl. backlight; additional services available; optional 4. + 5. year warranty extension |
| Operating Hours | 24/7 |

### Available Options

| | |
|---|---|
| Accessories | Feet (ST-801); Speaker (SP-RM1); Trolley (PDMHA); Wall mount (PDW T XL) |
| OPS Slot | HD-SDI 3G; HDBaseT receiver; Intel® Atom, Celeron and Core CPUs; OPS-2C HDMI + DP Interface; OPS-2C Quad 3G SDI |

### Green Features

| | |
|---|---|
| Energy Efficiency | Ambient light sensor; Annual energy consumption: 507 kWh (based on 4 operating hours per day); Carbon savings meter; ECOMode; Energy efficiency class: A; Human Sensor; Local dimming |
| Ecological Materials | Manuals on CD; Optional feet |

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