

MultiSync® X981UHD

NEC LCD 98" Ultra-High Definition Large Format Display

Datasheet



NEC is ushering in a new era of visual experience with the MultiSync® X981UHD. The display sets new standards in image size and quality by providing a 98 inch (248 cm) canvas with Ultra High Definition (UHD) guaranteed to capture undivided attention of spectators and viewers. Loaded with innovative features and high end components, this model delivers a complete package for all kinds of demanding professional applications.

This display is ideal for any heavy duty application from control rooms to CAD/CAM, from medical review to professional conferencing, from creative multimedia design to life size digital signage.

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 for full control of brightness, colour, gamma and uniformity via Spectraview Engine.

Reliable colour reproduction - due to 10-bit colour performance with amazing viewing angles and hardware calibratable LUT for accurate image presentation.

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

Flexible multi-source conferencing and efficient split-screen operation featuring a wide future-ready range of digital connectivity.

Perfectly Scaled content with lower resolution (e.g. FullHD) can be upscaled to UHD by a bi-cubic 4x4 pixel interpolation algorithm 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 centralized location.

Product Information

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|---------------|--|
| Product Name | MultiSync® X981UHD |
| Product Group | NEC LCD 98" Ultra-High Definition Large Format Display |
| Order Code | 60003721 |

Display

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|---------------------------------|---|
| Panel Technology | S-IPS with Direct LED backlights and local dimming |
| 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

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|----------------------------|----------------------------------|
| Horizontal Frequency [kHz] | 31.5 - 91.1 (analog and digital) |
| Vertical Frequency [Hz] | 50 - 85 |

Resolution

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|-----------------------------------|--|
| 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

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|----------------------|---|
| 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 |

OPS Option Slot

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|-------------------------|---|
| 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

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|----------------------|--|
| 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

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|------------------------|---------------------------------|
| Power Consumption [W] | 348 Eco (shipment setting), 560 |
| Power Savings Mode [W] | < 0.5 (ECO Standby); < 2 |
| Power Management | VESA DPMS |

Environmental Conditions

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

Mechanical

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|-----------------------------|------------------------------------|
| 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 |
| VESA Mounting [mm] | 4 holes; 400 x 400 (FDMI); M8 |
| Ingress Protection | IP40 (front); IP20 (back) |

Additional Features

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|-------------------------|---|
| 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

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|-------------|---|
| Accessories | Feet (ST-801); Speaker (SP-RM1); Trolley (PDMHA); Wall mount (PDW T XL) |
| OPS | HD-SDI 1.5G,3G; HDBaseT receiver; Intel® Atom, Celeron and Core CPUs |

Green Features

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|----------------------|---|
| 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 |



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