

NEC MultiSync® X651UHD-2
LCD 65" Professional Large Format Display

Datasheet



Unmatched richness of detail

Enjoy a new era of visual experience with an expansive digital canvas delivering pixel-free viewing. This 65 inch (164 cm) Ultra High Definition (UHD) screen is perfectly suited for reference applications and smaller workgroups up to 6 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, CAD/CAM, creative multimedia design, control room, medical review as well as high end retail signage applications.

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.

Product Information

| | |
|---------------|---|
| Product Name | NEC MultiSync® X651UHD-2 |
| Product Group | LCD 65" Professional Large Format Display |
| Order Code | 60004104 |

Display

| | |
|---------------------------------|---|
| Panel Technology | S-IPS with Edge LED backlights |
| Active Screen Area (W x H) [mm] | 1,428 x 804 |
| Screen Size [inch/cm] | 65 / 165 |
| Brightness [cd/m ²] | 450, 270 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 [%] | 10 |
| Supported Orientation | Face Up ¹ ; Landscape; Portrait |

Synchronisation Rate

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|----------------------------|----------|
| Horizontal Frequency [kHz] | 28 - 134 |
| Vertical Frequency [Hz] | 23 - 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; | 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 Audio Analogue | 3,5mm jack |
| 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

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

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| Ambient Light Sensor | Integrated, triggered actions programmable |
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|--------------------|--|
| 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 Eco/max. [W] | 150 Eco (shipment setting), 200 |
| Power Savings Mode [W] | < 0.5; < 0.5 (ECO Standby) |
| 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: 1,468 x 844 x 87 |
| Weight [kg] | Without stand: 41 |
| Bezel Width [mm] | 17.5; 17.5 bottom/right; 17.5 top/left |
| VESA Mounting [mm] | 4 holes; 400 x 400 (FDMI); M8 |
| Ingress Protection | IP40 (front); IP20 (back) |

Available Options

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|-------------|---|
| Accessories | Feet (ST-651); Speaker (SP-RM1); Trolley (PDMHM-L); 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

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| Energy Efficiency | Ambient light sensor; Annual energy consumption: 222 kWh (based on 4 operating hours per day); Carbon savings meter; ECOMode; Energy efficiency class: A; Human Sensor |
| Ecological Materials | Manuals on CD; Optional feet |

Additional Features

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| Special Characteristics | Carbon footprint meter; DICOM Simulation; 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 ² |
| Operating Hours | 24/7 |

¹ adjusted usage conditions for face up/down installations, please refer to operational guidelines or contact our support

² please refer to terms and conditions of warranty extensions



VCCI



C-tick



CE



FCC Class B



TÜV GS



RoHS

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