

MultiSync® X754HB LCD 75" High Brightness Large Format Display

Datasheet



The New X754HB - Stunning visibility in a bright world

With the all new NEC X754HB connecting with customers has never been easier, smarter or brighter. Whether in public places, a window storefront or at the airport, this 75" high brightness display will make sure your advertising campaign or crucial information like flight data is visible to your audience in any lighting condition. Viewers are automatically recognized by an optional human sensor and screen settings adjusted to make sure that your message will shine in the crowd. The high performance display will capture your customers with a stunning visual experience, even wearing sunglasses, while minimizing unnecessary power use through a programmable ambient light sensor.

High reliability designed for a low overall TCO and a stable image quality are achieved through the use of commercial components and an intelligent thermal management which allows for an even heat distribution specifically in challenging conditions such as direct sunlight exposure - A smart and eco-friendly solution that will let you stay in touch with your audience 24/7, providing stunning visibility in a bright world.

Benefits

Superb readability in any lighting condition – crisp playback of contents thanks to high brightness of 2500 cd/m² and reliable 8-bit S-PVA colour reproduction combined with an optical (Quarter Lambda) Filter to guarantee an impressive viewing experience even through polarized sunglasses.

Sunlight-proof operation – with highly temperature-resistant LCD panel coating to withstand direct sunlight without blackening effects.

Programmable Ambient Light Sensor – automatically adapts brightness to suit ambient light conditions ensuring reduced power consumption and eye pleasing luminosity levels.

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.

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

Automatically respond to viewer presence – to minimise unnecessary power use or for creative signage applications the optional Human Sensor adapts the display brightness or changes inputs when a person enters a proximity zone.

Convenient installation and maintenance with NFC – the built-in near field communication allows pre-configuration and servicing of the display by using an NFC capable device loaded with the NEC Android App.

Cost Saving Device Management – save effort whilst managing all connected NEC devices from a centralised location by using the NaViSet Administrator 2 software tool.

Product Information

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|---------------|--|
| Product Name | MultiSync® X754HB |
| Product Group | LCD 75" High Brightness Large Format Display |
| Order Code | 60003913 |

Display

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|---------------------------------|---|
| Panel Technology | 1/4 lambda filter; S-PVA with direct LED backlight |
| Active Screen Area (W x H) [mm] | 1,650 x 928 |
| Screen Size [inch/cm] | 75 / 191 |
| Brightness [cd/m²] | 2500, 1500 Eco (shipment setting) |
| Contrast Ratio (typ.) | 5000:1 |
| Viewing Angle [°] | 178 horizontal / 178 vertical (typ. at contrast ratio 10:1) |
| Response Time (typ.) [ms] | 6 (grey-to-grey) |
| Haze Level [%] | 1 |
| TNi [°C] | 110 |
| Supported Orientation | 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 | 1920 x 1080 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 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 Analogue | 1 x D-sub 15 pin |
| Input Video Digital | 1 x DisplayPort (with HDCP); 1 x DVI-D (with HDCP); 1 x HDMI (with HDCP) |
| Input Audio Analogue | 2 x 3,5 mm jack |
| Input Audio Digital | 1 x HDMI; DisplayPort |
| Input Control | LAN 100Mbit; remote control wire (3,5mm jack); RS232 |
| Output Video Digital | 1 x DisplayPort out (loop through: DisplayPort, DVI-D, HDMI, Interface Extension Slot, OPS) |
| 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 |

Interface Extension Slot

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| Slot Technology | analogue and digital interface extension (NEC standard) |
|-----------------|---|

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 [W] | 540 Eco (shipment setting), 820 |
| Power Savings Mode [W] | < 0.5 (ECO Standby); < 1 |
| 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: 1,694 x 972 x 146 |
| Weight [kg] | Without stand: 58 |
| Bezel Width [mm] | 19.5 |
| VESA Mounting [mm] | 4 holes; 400 x 400 (FDMI); M8 |
| Ingress Protection | IP40 (front); IP20 (back) |

Additional Features

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| Special Characteristics | Auto ID assignment; Auto tiling function; Automatic Alarm E-Mails; HTTP Server; Image flip; NaViSet Administrator 2; Point Zoom Function; Programmable 10-bit LUT with 3 memory banks; Sticky Note Function in OSD; User readable log function |
| 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; DVI-D 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 (PDMHM-L); Wall mount (PDW T XL L+P) |
| Interface Extension | SB3-AB1 analogue: Audio; Component; Composite; S-Video SB3-AB2 analogue: Audio; RGBHV |
| OPS Slot | 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: 735 kWh (based on 4 operating hours per day); Carbon savings meter; ECOMode; Energy efficiency class: D; Human Sensor |
| Ecological Materials | Manuals on CD; Optional feet |



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