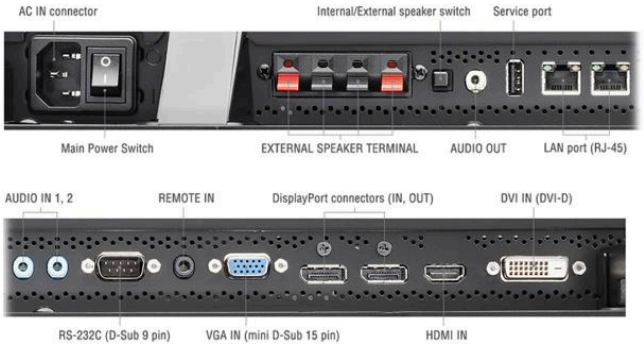
\Orchestrating a brighter world NEC

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

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

Display

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

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

Resolution

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

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

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

Slot Technology	analogue and digital interface extension (NEC standard)

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]	540 Eco (shipment setting), 820
Power Savings Mode [W]	< 0.5 (ECO Standby); < 1
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: 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)

Available Options

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

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

Additional Features

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
Pixel Failure Class	ISO 9241-307, Class 2
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


CE


C-tick


FCC Class B



RoHS


TÜV GS


VCCI

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