

Empowered by Innovation

NEC

46-inch High Bright LCD Public Display

NEC MultiSync X462HB



Let your image
shine...

NEC

An ideal solution for digital signage in high ambient light environments.

The 46" NEC X462HB shines a new light of performance on outdoor digital signage, drive-thru menu boards and video walls that are placed in heavily-lit environments. With its high-bright (1200 cd/m²), professional-grade panel and remarkable contrast ratio (3500:1), the 46" NEC X462HB displays images at amazing brightness levels no matter the lighting condition. Ideal for environments heavy with ambient light, this model boasts a quarter-lambda polarizing film that allows for outdoor viewing with polarized sunglasses in both landscape and portrait display orientations. The result is an image with greater visibility that outperforms displays with standard brightness and polarization, which can appear dim or washed out when placed in areas with high ambient light.



NEC MultiSync X462HB

Product Highlights

- Ultra high bright panel designed for high ambient light situations
- Full connectivity, including option slot
- A panel specifically designed for heavy duty applications
- Advanced thermal panel design
- Quarter-lambda polarizing film for optimal viewing



Typical environment with high ambient light

Suitable Applications

- **Retail** (shopping centres and retail stores)
- **Transportation** (train stations, bus terminals)
- **Fast food restaurants** (menu boards)
- **Pubs and clubs**
- **Semi outdoor solutions** (within suitable casing/ protection)

Plus many, many more...



Outstanding Performance

The X462HB's full high-definition screen performance is enhanced by 30+ advanced features of the Digital Signage Technology Suite, including advanced thermal protection and improved operating temperature, which helps maintain the display's performance in even the most demanding environments.

Quarter-lambda polarizing film allows viewing of content regardless of display orientation or the use of polarized sunglasses.

Thermal protection starts with an extra thermal layer on the display panel to diffuse heat followed by fan-based technology specially designed to work in both landscape and portrait modes and be controlled locally or remotely. Internal temperature sensors control self-protective circuits, while special self-diagnostics communicate the status of the thermal characteristics.

Sealed panel design provides protection in less than optimal environments, while protecting against particles like dust, grease, or steam from getting behind the glass and damaging the unit.

Enhanced video wall capabilities allow you to expand your messaging options. Technologies include:

- **TileMatrix™** allows you to create video walls (up to 100 displays in a 10x10 matrix)
- **TileComp™** works in tandem with TileMatrix to compensate for the bezel width and create a more seamless video wall
- **Copy function** allows the user to apply the settings from one display to all others in the RS-232 daisy chain, reducing setup time and saving money.

- Individual and Group ID functions allow users to control settings for a defined individual display or group of displays within a video wall
- Display Wall Calibrator Kit (optional) provides a quick, accurate and easy-to-use means of matching all displays in color and brightness to create uniformity across the video wall

CableComp+™ uses a digitised signal delay circuit to automatically compensate for each red, green and blue cable's length and video signal delay, ensuring sharp image reproduction despite long cables and low output level.

Advanced screen saver functions include an array of features designed to reduce the risk of image persistence and extend display life.

Delivering Genuine Benefits

Eco-Friendly Features

- An ambient light sensor, which ensures consistent brightness no matter the lighting conditions, with efficient product design and high quality components ensuring power consumption is significantly minimized.
- A carbon footprint metre, which helps track and calculate the conservation of green gas emissions.
- Improved operating temperature allows for improved installation flexibility
- Industrial-strength, premium-grade panel with additional thermal protection, internal temperature sensors with self diagnostics and fan-based technology

Extended Functionality

A built-in expansion slot future-proofs your display investment, allowing for seamless integration of NEC and third-party components, including an HD-SDI card, single-board computer and DVI daisy chain capability, avoiding additional cables and mounting brackets.

Centralised, Convenient, Cost Efficient Maintenance and Control

With free LAN control software – the industry's most extensive control, diagnostic and communication provide the highest level of remote display management. These include:

- RS-232 enables multi-display control and daisy chain, allowing for individual and group-addressable control, and simple, effective setup and monitoring of the display
- Ethernet connectivity adds the same RS-232 control plus automatic email notification for diagnostic purposes
- NaViSet™ software offers an intuitive graphical interface, allowing for easy adjustment of display settings via mouse and keyboard. NaViSet Administrator provides all the advanced control to remotely located IT professionals.
- DDC/CI standard allows for PC control of the display based on the VESA command set



Easy Connection

Enhanced input options include quick input change, customised detection and naming. DisplayPort and HDMI, along with a LAN interface for control of the screen are unique in this combination in a public display and secure future proofing.

Real-time clock/round-the-clock scheduling

Allows for advanced scheduling of monitor powering up/down.

Detailed Specifications

Panel Technology	S-PVA (P-DID)
Active Screen Area (W x H) [mm]	1920 x 1080
Screen Size [inch/cm]	46 inch
Pixel Pitch [mm]	0.53
Viewing Angle [°]	178° horizontal / 178° vertical
Screen Aspect Ratio	16:9
Contrast Ratio (typ.)	3500:1
Brightness (typ.) [cd/m²]	1200
Response Time (typ.) [ms]	8 (grey-to-grey)
Colours [Mio.]	16.77
Horizontal Frequency [kHz]	31.5 - 91.1 (analog/digital)
Vertical Frequency [Hz]	50 - 85
Optimum Resolution	1920 x 1080 at 60 Hz
Native Resolution	1920 x 1080 at 60 Hz
Supported Resolutions	720 x 400; 640 x 480; 800 x 600; 832 x 624; 1024 x 768; 1280 x 1024; 1600 x 1200; 1280 x 768; 1360 x 768; 1920 x 1080
Video Input	Digital: 1 x DisplayPort; 1 x DVI-D (with HDCP); 1 x HDMI, Analog: VGA 15-pin D-sub; 5 BNC (RGBHV, DVD/HD or Video); RCA Composite; BNC Composite; RCA (Y, Cb/Pb, CR/Pr) Component; S-Video
Video Output	Analog: 5 BNC (RGBHV); BNC Composite
Audio Input	RCA Audio (2); Stereo Mini-Jack; HDMI Audio; DisplayPort Audio
Audio Output	1 x Cinch (RCA), External Speaker Jack (2)
Option Slot	Built-in PC; CAT 5 receiver; DVI daisy chain board; HD-SDI board; Media Player
External Control Input	RS-232C; Ethernet (RJ45); IR Remote; DDC/CI
External Control Output	RS-232C; IR Remote
Power Consumption on Mode [W]	320 (Eco Mode Standby: <0.5W)
Power Management	VESA DPMS
Power Supply	100-240 V; 0.7 A/1.2 A
Ambient Humidity (operating) [%]	20 to 80
Ambient Temperature (operating) [°C]	+5 to +35
VESA Mounting [mm]	300 x 300 (4-hole)
Dimensions (W x H x D) [mm]	Without stand: 1,055.4 x 608.6 x 140
Supported TV Standards (no tuner)	NTSC; PAL; SECAM
Weight (kg)	31.0
Remote Control	D-sub 15 and DVI-D (DDC/CI); Ethernet; RS-232C (9-pin D-sub) Input and Output; Remote Control IR
Shipping Content	Signal Cable VGA - VGA CD-ROM (User Guides/Manuals); Display; Power Cable; Remote Control (IR); Batteries; Clamp; Cable cover, Screws; User Manual
Warranty	3 years warranty incl. backlight

For more information, visit www.nec.com.au, email displays@nec.com.au or call 131 632

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