NEC X462HB

46" high-bright, full high-definition, professional-grade LCD display ideal for digital signage applications

Let your image shine. 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.

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.

DSTS
Digital Signage
Technology Suite

Highlights

- **Quarter-lambda polarizing film** allows viewing of content regardless of display orientation or the use of polarized sunglasses
- **Full high-definition panel** brilliantly displays content
- **Improved operating temperature** allows for improved installation flexibility
- **Thermal protection**, a key feature of NEC professional-grade large-screen displays, 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.
- **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
- **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
- **Ambient light sensor** automatically adjusts the backlight and power management depending on the ambient lighting brightness
- **Multi-display control and daisy chain**, enabled through RS-232, allows for individually addressable display control, making setup and monitoring of the display simple and effective
- **Ethernet Control and Communication** provides the highest level of remote display management and includes such features as automatic email notification for diagnostic purposes
- **Improved auto-detection scheme** allows for user customization of input selection
- **Quick input change** speeds up transitions from one input mode to another
- **Real-time clock/round-the-clock scheduling** allows for advanced scheduling of monitor powering up/down, improves energy savings and extends display life
- **Advanced screen saver functions** include an array of features designed to reduce the risk of image persistence and extend display life. A gamma adjustment feature reduces the effect of high-contrast images, while a side color function allows adjustment of the color to minimize the contrast delta. Additional screen saver functions reduce the impact of static images by gently moving the image.
- **Third-party network** offers complete enclosure solutions for optimal protection and operation in nearly any environment, including those with direct indoor and outdoor sunlight

NEC

Specifications for X462HB

MODEL	X462HB
LCD MODULE	
Panel Technology	SPVA (P-DID)
Viewable Image Size	46"
Native Resolution	1920 x 1080
Brightness (Typical)	1200 cd/m²
Contrast Ratio (Typical)	3500:1
Viewing Angle	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10
Response Time (white to black)	8ms
Aspect Ratio	16:9
Active Screen Area (W x H)	40.1 x 22.5 in. / 1018.4 x 572.5mm
Orientation	Landscape/Portrait
Displayable Colors	More than 16.7 million
CONNECTIVITY	
Supported Video Formats	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
PC/Mac Signal Compatibility	Yes
Input Terminals	
Digital	DisplayPort, HDMI, DVI-D
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
Audio	RCA Audio (2), Stereo Mini-Jack, HDMI Audio, DisplayPort Audio
External Control	RS-232C, Ethernet (RJ45), IR Remote, DDC/CI
Output Terminals	
Analog	5 BNC (RGBHV), BNC Composite
Audio	RCA Audio, External Speaker Jack (2)
External Control	RS-232C, IR Remote
POWER CONSUMPTION	
On (Typical)	320W
ECO Mode Standby	<0.5W
PHYSICAL SPECIFICATIONS	
Bezel Width (L/R, T/B)	0.65/0.65 in., 0.65/0.65in. ; 16.5mm/16.5mm, 16.5mm/16.5mm
Net Dimensions (without stand; WxHxD)	41.6 x 24 x 5.5 in. / 1055.4 x 608.6 x 140mm
Net Weight (without stand)	64.3 lbs. / 29.2 kg
VESA Hole Configuration	300 x 300mm (4-hole)
ENVIRONMENTAL CONDITIONS	
Operating Temperature	41-95°F / 5-35°C
Operating Humidity	20 - 80%
Operating Altitude	9843 ft. / 3000m
LIMITED WARRANTY	3 years parts and labor, including backlight*
ADDITIONAL FEATURES	High bright; Advanced thermal capabilities; Sealed panel design; Expansion slot; Thin bezel; TileMatrix (10x10); TileComp; Separate group/Monitor ID function; CableComp+ ; Ethernet Control and Communication; RS-232 Control and Communication; Landscape/portrait capable; Carbon footprint meter; Plug and Play (DDC/CI, DDC2B); Scheduler (w/ real-time clock); Sharpness/softness adjustment; Screen saver function; Ambient light sensor (AmbiBright); Metal rear cabinet; POP; Side-by-Side; Kensington lock; Handles; Variable picture modes; Input labeling; Backlight adjust; Aspect ratio control
SHIPS WITH	Power cord; VGA cable (Mini 15-pin D-sub); Wireless remote control; Batteries; CD-ROM (user manual); Clamp; Cable cover; Screws
OPTIONAL ACCESSORIES	
NEC	Display Wall Calibrator Kit (KT-46UN-CC); Single Board Computer (NET-SBC-01/02/03/04); External Single Board Computer (TNETPC-ION); Internal HD-SDI Card (SB-L007KK); DVI Daisychain (SB-L008WU); Digital IP Tuner (MPD-DTi); Speakers (SP4020-4620); Speakers (SP-P4046); Stand (ST-4620); External TV tuner (TVBOX); Wall Mount Kit (WMK-3257); Accessory pack for Wall Mount Kit (MIS513); SpectraView$_{II}$ Color Calibration Kit (SVII-PRO-KIT)
Third Party	TTUFF Single Board Computer (APE-20HD-NEC, DPE-80HD-NEC) ; TTUFF Media Player (DMD-80HD-NEC); Magenta Media Player (NEC600); Minicom Media Player-360ft (0VS51010NEC); Minicom Media Player-1000ft (0VS51001NEC)

* Warranty restrictions apply. Contact your representative for details.

VGA D-Sub In · 5 BNC Out (RGBHV, DVD/HD or Composite Video) · BNC Composite Video Out · RCA Component Video Out · Audio Mini-Jack In

DisplayPort In · HDMI In · DVI-D In · 5 BNC In (RGBHV, DVD/HD or Composite Video) · BNC Composite Video In · RCA Composite Video In · S-Video In · RCA Audio In/Out

Speaker Out · RS-232 In/Out · LAN Port · IR In/Out

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