NEC X462HB

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

Let your image shine. With its high-bright (1500 cd/m^2), 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.

Highlights

- **Full high-definition panel** brilliantly displays content
- **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.
- **Third-party** partners offer complete enclosure solutions for optimal protection and operation in nearly any environment, including those with direct indoor and outdoor sunlight
- **Improved operating temperature** allows for improved installation flexibility
- **Improved auto-detection scheme** allows for user customization of input selection

Technologies

- **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. 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
- **Built-in expansion slot** future-proofs your display investment, allowing for seamless integration of NEC and third-party components
- **Ambient light sensor** automatically adjusts the backlight and power management depending on the ambient lighting brightness
- **Multi-display control and daisy chain** allows for individually addressable display control, enabled through RS-232
- **Ethernet Control and Communication** provides the highest level of remote display management and includes such features as automatic email notification for diagnostic purposes

Specifications for X462HB

MODEL	X462HB
LCD MODULE	
Panel Technology	SPVA (P-DID)
Viewable Image Size	46"
Native Resolution	1920 x 1080
Brightness (Typical/Max)	1200 / 1500 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-LFD-CC); Single Board Computer (NET-SBC-01/02/03/04); External Single Board Computer (TNETPC-ION); DVI Daisychain (SB-L008WU); Speakers (SP4020-4620); Speakers (SP-P4046); Stand (ST-4620); Wall Mount Kit (WMK-3257); SpectraView₁ı™

* Warranty restrictions apply. Contact your representative for details.

Input Panel

1. External Speaker Out
2. RS-232 In/Out
3. LAN Port
4. IR In/Out

Input Panel

1. DisplayPort In
2. HDMI In
3. VGA D-Sub In
4. DVI-D In
5. 5 BNC (RGBHV, DVD/ HD or Composite Video) Out
6. 5 BNC (RGBHV, DVD/ HD or Composite Video) In
7. BNC Composite Video Out
8. BNC Composite Video In
9. RCA Composite Video In
10. RCA Component Video In
11. Audio Mini-Jack In
12. S-Video In
13. RCA Audio In/Out

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