

# NEC MultiSync® X461HB

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

**Let your image shine.** With its high-bright (1500 cd/m<sup>2</sup>), professional-grade panel and remarkable contrast ratio (3500:1), the 46" NEC MultiSync X461HB displays images at amazing brightness levels no matter the lighting condition. Ideal for environments heavy with ambient light, this model boasts 130% higher brightness than NEC's previous-generation display while consuming only 37% more power. The result is an image that outperforms that of displays with standard brightness, which can appear dim or washed out when placed in areas with high ambient light. The X461HB's unrivaled screen performance is enhanced by 30+ advanced features of the Digital Signage Technology Suite, including advanced thermal protection.



- ❑ **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
- ❑ **Carbon footprint meter** informs and motivates responsible use of the display by calculating and tracking carbon savings
- ❑ **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.
- ❑ **CableComp+™**, which is compatible with analog and/or digital inputs, corrects for input signal distortion caused by long cables and low output levels of video cards. This technology uses a digitized signal delay circuit to automatically compensate for each red, green and blue cable's length and video signal delay, ensuring sharp image reproduction.
- ❑ **Third-party network** offers complete enclosure solutions for optimal protection and operation in nearly any environment, including those with direct indoor and outdoor sunlight



## Specifications for X461HB

<b>Model</b>	<b>X461HB</b>
<b>LCD MODULE</b> Viewable Size (Diagonal) Panel Technology Native Resolution Pixel Pitch Brightness (typical) Contrast Ratio (typical) Active Screen Area (W X H)	46" SPVA 1366 x 768 / 1360 x 768 0.746mm 1200 cd/m <sup>2</sup> (1500 cd/m <sup>2</sup> max.) 3500:1 40.1 x 22.5 in. (1018.4 x 572.5mm)
<b>CONNECTIVITY</b> Input Terminals RGB1 (Digital) RGB2 (Analog) RGB3 (Analog) Video 1 Video 2 Video 3 Component Video 1 (DVD/HD) Audio Output Terminals RGB Video Audio External Control	DVI-D D-sub 15 (VGA) BNC (RGBHV) Composite (Shared RCA and BNC) S-Video HDMI Component BNC 4: RCA (L/R) x 2: Stereo MiniJack; HDMI  Loop-out RGB3 Loop-out BNC (Composite/Component) - Video 1, Component Loop-out Stereo RCA RS-232 in/out for multiple monitor control, LAN RJ-45, DDC/CI, IR
<b>FEATURES</b> Additional Features	High bright, Ethernet monitor and control, commercial-grade sealed panel, advanced cooling system for 24/7 operation, expansion slot, programmable lookup tables, IR control, Plug and Play (DDC/CI, DDC2B), PIP (remote), POP, 6-axis color adjustment, multi-level programmable zoom, TileMatrix (up to 10x10), TileComp, scheduler (w/ RTC), sharpness/softness, off-timer (countdown), screen saver, vacation switch, 10-bit gamma, AutoBright (signal input), Windows Vista Premium-certified, portrait-capable, Kensington lock, serial number display, ambient light sensor, carbon savings and footprint, separate group/monitor ID function, improved auto-detection scheme, quick input change
<b>POWER</b> Power Requirements Power Consumption (typical) Power Consumption - Standby Mode	AC 100-240V @ 50/60Hz 320W < 2W (0.5W ECO)
<b>PHYSICAL SPECIFICATIONS</b> Bezel Width (L/R, T/B) Dimensions (without stand; WxHxD) Packaging Dimensions (WxHxD) Net Weight (without stand) Gross Weight (without pallet) VESA Hole Configuration	16.5mm / 16.5mm, 17mm / 17mm 41.6 x 24 x 5.5 in. / 1055.4 x 608.6 x 140mm 46.5 x 30.8 x 11.8 in. / 1180 x 782 x 300mm 68.3 lbs. / 31 kg 83.8 lbs. / 38 kg 300 x 300mm (4 hole)
<b>ENVIRONMENTAL CONDITIONS</b> Operating Temperature Operating Humidity	5° - 35°C / 41° - 95°F 20 - 80%
<b>ACCESSORIES</b> Included Optional	AC power cord, setup sheet, 15-pin D-sub video cable, CD-ROM Tilt wall mount kit (WMK3260-L), stand (ST-4620), speakers (SP4020-4620/SP-P4046), Digital Signage Kit (DSK3260), internal HD-SDI card (SB-L007KK), DVI daisy-chain (SB-L008WU), single board computer (MPD-SBC-8/16), display wall calibrator (KT-46UN-CC), SpectraView <sub>®</sub> Color Calibration Kit (SVII-PRO-KIT)
<b>WARRANTY/SERVICE</b> On-Site Limited Warranty	3 years parts and labor, including backlight

