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^2), 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 demanding outdoor applications and environments heavy with ambient light, this model boasts 110% higher brightness than NEC's previous-generation displays while consuming only 50% 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.

DSTS
Digital Signage
Technology Suite

¤ **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.

¤ **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 and input selection. These features also allow your messaging to be customized for time of day (e.g. breakfast in the morning, dinner specials in the evening) as well as improving energy savings and extending 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.

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Specifications for X461HB

Model	X461HB
LCD MODULE	
Viewable Size (Diagonal)	46"
Panel Technology	SPVA
Native Resolution	1360 x 768
Pixel Pitch	0.746mm
Brightness (typical)	1500 cd/m²
Contrast Ratio (typical)	3500:1
Active Screen Area (W X H)	40.1 x 22.5 in. (1018.4 x 572.5mm)
CONNECTIVITY	
Input Terminals	
RGB1 (Digital)	DVI-D
RGB2 (Analog)	Analog D-sub
RGB3 (Analog)	Analog BNC (RGBHV)
Video 1	Composite (Shared RCA and BNC)
Video 2	S-Video
Video 3	HDMI
Component Video 1 (DVD/HD)	Component BNC
Audio	4: RCA (L/R) x 2: Stereo MiniJack; HDMI
External Control	LAN RJ-45, RS-232, DDC/CI
Output Terminals	
RGB	Loop-out RGB3
Video	Loop-out BNC (Composite/Component) - Video1, Component
Audio	Loop-out Stereo RCA
External Control	RS-232 out for multiple monitor control, RJ-45, DDC/CI
FEATURES	
Additional Features	High bright, Ethernet monitor and control, commercial-grade sealed panel, advanced cooling system for 24/7 operation, expansion slot, programable lookup tables, Plug and Play (DDC/CI, DDC2B), PIP (remote), POP, 6-axis color adjustment, multi-level programmable zoom, TileMatrix (up to 10x10), TileComp, video ready, 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/remote ID function, improved auto-detection scheme, quick input change
POWER	
Power Requirements	AC 100-240V @ 50/60Hz
Power Consumption (typical)	TBD
Power Consumption - Standby Mode	< 1W
PHYSICAL SPECIFICATIONS	
Bezel Width (L/R, T/B)	16.5mm / 16.5mm, 17mm / 17mm
Dimensions (without stand; WxHxD)	41.6 x 24 x 5.5 in. / 1055.4 x 608.6 x 140mm
Packaging Dimensions (WxHxD)	50.3 x 33 x 12.3 in. / 1278 x 837 x 312mm
Net Weight (without stand)	79.6 lbs. / 36.1 kg
Gross Weight (without pallet)	99.9 lbs. / 45.3 kg
VESA Hole Configuration	300 x 300mm (4 hole)
ENVIRONMENTAL CONDITIONS	
Operating Temperature	5° - 40°C / 41° - 104°F
Operating Humidity	20 - 80%
ACCESSORIES	
Included	AC power cord, setup sheet, 15-pin D-sub video cable, CD-ROM
Optional	Tilt wall mount kit (WMK3260-L), stand (ST-4620), speakers (SP4020-4620), Digital Signage Kit (DSK3260), digital tuner (MPD-DTA), internal HD-SDI card (SB-L007KK), DVI daisychain (SB-L008WU), single board computer (MPD-SBC-8/16), Color Calibration
WARRANTY/SERVICE	
On-Site Limited Warranty	3 years parts and labor, including backlight

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