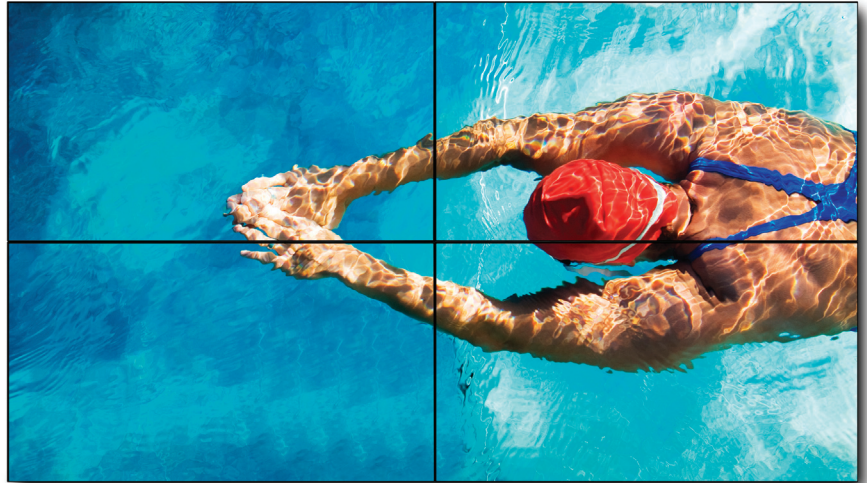# NEC MultiSync® X461UN

46" ultra-narrow, professional-grade LCD display ideal for video wall applications

Revolutionize your video walls. The ultra-narrow bezel of the 46" NEC MultiSync X461UN allows for a screen-to-screen distance between two neighboring displays of a mere 7.3mm, a near 450% improvement over NEC's previous generation large-screen displays. Ideal for digital signage and broadcast applications, the display can be deployed in video wall matrices of up to 10x10 (100 displays), creating a total surface area of approximately 645 sq ft. The barely discernable transition gap between displays ensures a homogenous picture across the matrix.

¤ **Professional-grade LCD panel and components** meet even the most formidable digital signage industry requirements

¤ **1360 x 768 WXGA native resolution** in true 16:9 aspect ratio, maximum brightness of 700 cd/m^2 and typical contrast ratio of 3000:1

¤ **Ground-breaking ultra-narrow bezel** of 7.3mm (screen-to-screen) creates a nearly seamless video wall

¤ **TileMatrix™ technology** enables video walls (up to 100 displays in a 10x10 matrix)

¤ **Built-in expansion slot** allows for seamless integration of current and future NEC accessories and third-party components

¤ **Optional color calibration solution** ensures color uniformity and fidelity across individual and multiple screens, creating a perfectly matched image in tiled environments

¤ **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

¤ **Rapid Response™ technology** delivers virtually uninterrupted, undistorted viewing of high-speed, full-motion video

¤ **Diverse input connectors** allows for maximum compatibility and flexibility during product implementation

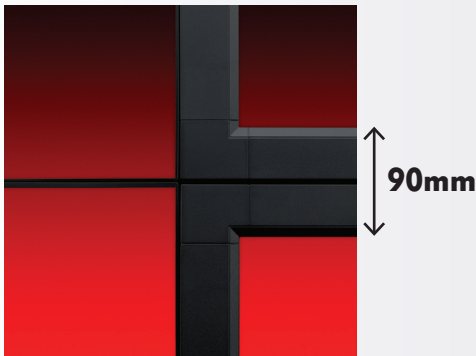¤ **Optional wall mount and bezel kit** simplifies your installation and enhances the aesthetics of your video wall

NEC

Specifications for X461UN

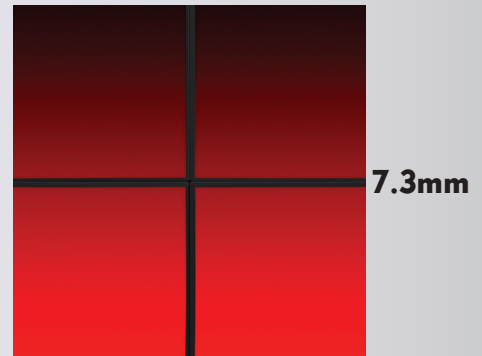| Model	X461UN
LCD MODULE	
Viewable Size (Diagonal)	46"
Panel Technology	SPVA
Native Resolution	1360 x 768
Pixel Pitch	0.746mm
Brightness (typical)	500 cd/m² (700 cd/m² max.)
Contrast Ratio (typical)	3000:1
Active Screen Area (W X H)	40.1 x 22.5 in. (1018.4 x 572.5mm)
CONNECTIVITY	
Input Terminals	
RGB1 (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	Ultra-narrow bezel, 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; closed captioning, serial number display,
POWER	
Power Requirements	AC 100-240V @ 50/60Hz
Power Consumption (typical)	200W (330W max.)
Power Consumption - ECO Standby	< 1W
PHYSICAL SPECIFICATIONS	
Bezel Width (R/B, T/L)	0.12 in. / 2.7mm , 0.18 in. / 4.5mm
Dimensions (without stand; WxHxD)	40.4 x 22.8 x 5 in. / 1025.7 x 579.8 x 128.1mm
Packaging Dimensions (WxHxD)	56.4 x 38.1 x 18.3 in. / 1433 x 968 x 464mm
Net Weight (without stand)	64.6 lbs. / 29.3 kg
Gross Weight (without pallet)	95.9 lbs. / 43.5 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	Remote/Ambient Control Kit (KT-RC), Over-Frame Kit (KT-46UN-OF), Display Wall Calibrator Kit (KT-46UN-CC), Wall mount (landscape - WM-46UN-L; portrait - WM-46UN-P), DVI Daisy Chain Expansion Board (SB-L008WU), HD-SDI Expansion Board (SB-L007KK), Single Board Computer (MPD-SBC-8/-16-2), stand (ST-4620), Digital Signage Kit (DSK3260)
WARRANTY/SERVICE	
On-Site Limited Warranty	3 years parts and labor, including backlight

Image Gap Comparison

NEC MultiSync LCD4615

90mm

NEC MultiSync LCD4620

33mm

NEC MultiSync X461UN

7.3mm

The X461UN's ultra-narrow bezel allows for a screen-to-screen distance between two neighboring displays of only 7.3mm, a more than 1200% improvement over the standard bezel width from NEC's 90mm MultiSync 15 Series and close to 450% compared to its previously revolutionary 33mm MultiSync 20 Series displays.

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