

NEC X461UNV

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

Transform your video walls. Ideal for low ambient light environments, the 46" NEC X461UNV has a maximum brightness of 450 cd/m², while maintaining a mere 7.3mm distance between neighboring 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
- ❑ **1366 x 768 WXGA native resolution** in true 16:9 aspect ratio, maximum brightness of 450 cd/m² 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)
- ❑ **DisplayPort connection** adds to the already robust terminal panel
- ❑ **Simple Network Management Protocol** standards are met for controlling the display through LAN
- ❑ **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
- ❑ **ENERGY STAR 5.0** criteria is proudly met for the X461UNV, which follows strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and the U.S. Department of Energy, helping you save money and reduce greenhouse gas emissions



Specifications for X461UNV

Model	X461UNV
LCD MODULE	
Viewable Size (Diagonal)	46"
Panel Technology	SPVA
Native Resolution	1366 x 768
Pixel Pitch	0.746mm
Brightness (typical)	390 cd/m ² (450 cd/m ² 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	
Digital	DisplayPort, HDMI, DVI-D
Analog	Analog D-sub, 5BNC (RGBHV), BNC Composite, RCA Composite (Y, Cb/Pb, Cr/Pr), S-Video
Audio	RCA Audio x 2, DisplayPort Audio, HDMI Audio
External Control	RS-232, RJ-45 LAN, DDC/CI, IR Remote
Output Terminals	
Analog	5 BNC (RGBHV), BNC Component
Audio	Stereo Mini-Jack, RCA Audio
External Control	RS-232, IR Remote
FEATURES	
Additional Features	Ultra-narrow bezel, SNMP support, Ethernet monitor and control, commercial-grade sealed panel, advanced cooling system for 24/7 operation, expansion slot, programmable 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	2.9A @ 100-120V AC; 1.2A @ 220-240V AC
Power Consumption (typical)	125W (185W max.)
Power Consumption - ECO Standby	< 2W
PHYSICAL SPECIFICATIONS	
Bezel Width (L/R, T/B)	0.18 in./0.12 in., 0.18 in./0.12 in. ; 4.6mm/2.7mm, 4.6mm/2.7mm
Dimensions (without stand; WxHxD)	40.4 x 22.8 x 5 in. / 1025.7 x 579.8 x 128.1mm
Packaging Dimensions (WxHxD)	50.3 x 33 x 12.3 in. / 1278 x 837 x 312mm
Net Weight (without stand)	59.1 lbs. / 26.8 kg
Gross Weight (without pallet)	75.8 lbs. / 34.4 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	Power cord, VGA 15-pin cable, remote control cable, CD-ROM, cable cover, thumbscrew x 2, screw x 9, clamp x 3
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), Wall mount (WMK-3257), DVI Daisy Chain Expansion Board (SB-L008WU), HD-SDI Expansion Board (SB-L007KK), Single Board Computer (NET-SBC-01/02/03), IPTV Tuner (MPD-DTi), stand (ST-4620), External computer (TNETPC-ION)
WARRANTY/SERVICE	
Limited Warranty	3 years parts and labor, including backlight

Image Gap Comparison

NEC V461



90mm

NEC P461



33mm

NEC X461UNV



7.3mm

The X461UNV'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 V Series and close to 450% compared to its previously revolutionary 33mm P Series displays.

