Specifications

MODEL	X551UN	X462UN	X461UNV
LCD MODULE			
Viewable Size (Diagonal)	54.6"	46"	
Panel Technology	SPVA	SPVA	
Native Resolution	1920 x 1080	1366 × 768	
Pixel Pitch	0.630mm	0.746mm	
Brightness (Typical / Maximum)	500 cd/m² / 700 cd/m²	500 cd/m² / 700 cd/m²	390 cd/m² / 450 cd/m²
Contrast Ratio (Typical)	3500:1	3000:1	
Active Screen Area (W x H)	47.6 x 26.8 in. / 1209.6 x 680.4mm	40.1 x 22.5 in. / 1018.4 x 572.5mm	
CONNECTIVITY			
Input Terminals			
RGB1 (Digital)	DVI-D	DVI-D	
RGB2 (Digital)	DisplayPort	DisplayPort	
RGB3 (Analog)	Analog 15-pin Mini D-sub	Analog 15-pin Mini D-sub	
RGB4 (Analog)	5 BNC (RGBHV)	5 BNC (RGBHV)	
Video 1	Composite (BNC)	Composite (Shared RCA & BNC)	
Video 2	S-Video	S-Video	
Video 3	HDMI	HDMI	
Component Video 1& 2(DVD/HD)	Sharing with 5 BNC (RGBHV)	Component BNC (RCA)	
Audio	Input 1& 2 (Mini Pin Jack), Input 3 (RCA), HDMI, DisplayPort	Audio 1 (Mini Pin Jack), Audio 2 & 3 Stereo (RCA), Audio 4 HDMI	
Output Terminals			
RGB (Analog)		Yes	
RGB Video (Digital)	DVI-D, DisplayPort (w/o audio)	–	
Video	Yes (BNC)	Yes	
Audio	Yes (MiniJack)	Yes	
External Control	RS-232C in/out for multiple monitor control, Ethernet, IR, DDC/CI	RS-232C/out for multiple monitor control, Ethernet, IR, DDC/CI	
Speaker Output			
External Speaker Jack	15W Stereo	–	
FEATURES			
Additional Features	Ultra-narrow bezel, Advanced thermal capabilities, Advanced cooling system, Sealed panel, Thin bezel, TileMatrix (10x10), TileComp, CableComp+, Ethernet Control and Communication Plug and Play (DDC/CI, DDC2B), Scheduler (w/ RTC), Sharpness/softness adjustment, Screen saver function, Ambient light sensor (AmbiBright), 6-axis colour adjustment, Metal rear cabinet, POP	Ultra-narrow bezel, Advanced thermal capabilities, Sealed panel design, Expansion slot, TileMatrix (10x10), TileComp, CableComp+, Ethernet Control and Communication, Carbon footprint meter, Plug and Play (DDC/CI, DDC2B), Scheduler (w/ RTC), 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	
POWER			
Power Requirements	4.1A @ 100-120V 1.65A @ 220-240V	2.9 A @ 100 - 120V 1.2 A @ 220 - 240V	
Power Consumption (Typical)	190W	200W	125W
Power Consumption - Standby Mode	<0.5W	<0.5W	
PHYSICAL SPECIFICATIONS			
Bezel Width (T/L, R/B)	0.1 in. / 0.1 in., 3.7mm / 1.8mm	0.2 in. / 0.1 in., 4.6mm / 2.7mm	
Dimensions (without stand; WxHxD)	47.8 x 27.0 x 5.0 in. / 1215.3 x 686.1 x 128.1mm	40.4 x 22.8 x 5.0 in. / 1025.7 x 579.8 x 128.1mm	
Packing Dimensions (WxHxD)	57.5 x 35.6 x 12.6in. / 1461.0 x 904.0 x 320.0mm	50.3 x 33.0 x 12.3 in. / 1278.0 x 837.0 x 312.0mm	
Net Weight (without stand)	80.3 lbs. / 36.4 kg	64.6lbs / 29.3kg	59.1 lbs. / 26.8 kg
Gross Weight (with box)	103.6 lbs. / 47.0 kg	81.4lbs. / 36.9kg	75.8 lbs. / 34.4 kg
VESA Hole Configuration	400 x 400mm (M6, 4 holes)	300 x 300mm (M6, 4 holes)	
ENVIRONMENTAL CONDITIONS			
Operating Temperature	41-104°F / 5-40°C	41-104°F / 5-40°C	
Operating Humidity	20-80%	20-80%	
ACCESSORIES			
Included	Setup manual, Power code, Video signal cable, Stereo mini plug cable, Clamps, Screws, CD-ROM, Thumbscrews for optional stand, Cable cover	Setup, Power code, Video signal cable, Stereo mini plug cable, Clamps, Screws, CD-ROM, Thumbscrews for optional stands, Cable cover	
Optional	Stand (ST-5220), Speakers (SP-RM1), DVI Daisy Chain (SB-L008WU), HD-SDI Card (SB-L007KK), SBC(NET-SBC-01/NET-SBC-02), KT-RC, WM-55UN-L/P, KT-55UN-OF	Stand (ST-4620), DVI Daisy Chain (SB-L008WU), HD-SDI Card (SB-L007KK), SBC (NET-SBC-01/NET-SBC-02), KT-RC, WM-46UN-L/P, KT-46UN-OF	

Options

Remote control kit
KT-RC

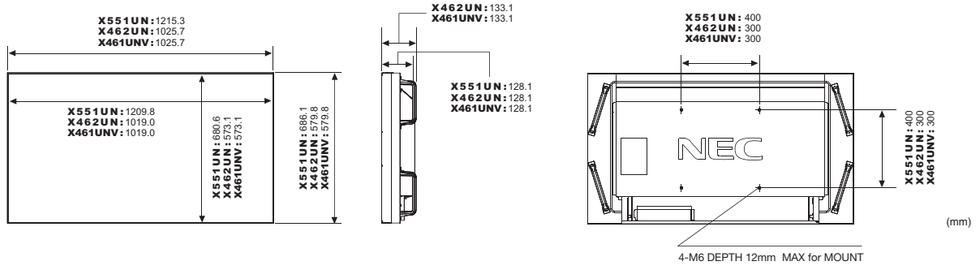
Over frame kit

KT-55UN-OF
(X551UN)

KT-46UN-OF
(X462UN, X461UNV)

KT-55UN-OF

Dimensions



June 2011

WLCD-1106-132D

Empowered by Innovation NEC

Large-Screen LCD

Ultra-narrow, professional-grade LCD displays

With a bezel of just 5.5 mm and full HD resolution, X551UN gives you richer visual experience

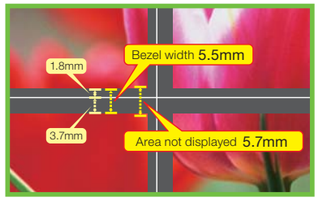
*Multi-screen configuration

http://www.nec-display.com/ap/

The ability to run 24/7, an ultra narrow bezel and wide viewing angle make these displays ideal for large video wall installations

An ultra narrow bezel enables a virtually seamless video wall

The X551UN features ultra-narrow bezel of only 5.5 mm (3.7 mm on the left and bottom, and 1.8 mm on the top and right). The joints between the displays are almost unnoticeable giving the feeling of a seamless panel that makes possible more natural multi-screen display.



Bezel width and area not displayed with multi-screen configuration

		Left/Top	Right/Bottom	Multi-screen configuration
X551UN	Bezel Width	3.7mm	1.8mm	5.5mm
	Area not displayed	3.8mm	1.9mm	5.7mm
X462UN/X461UNV	Bezel Width	4.6mm	2.7mm	7.3mm
	Area not displayed	4.7mm	2.8mm	7.5mm

Full HD* with excellent image quality, high brightness and high contrast

The display supports full HD definition of 1920 x 1080 to display HD contents in subtle detail and with a stronger sense of reality. Furthermore, it combines a rich expressive capacity with appealing features, such as a high brightness of 700 cd/m², a high contrast ratio of 3500:1, and an angle of view of 178° vertically and horizontally.

*With the X551UN. The X462UN / X461UNV supports WXGA (1366 x 768).

Improved brightness uniformity in multi-screen configuration *Excludes X461UNV.

The X551UN employs direct white LED backlighting to improve brightness uniformity. It also contains no mercury to reflect the consideration towards minimising the impact on the environment. The X462UN employs the EDGE COMP technology to decrease brightness unevenness noticeable in the area near the bezel in multi-screen configuration. The improved uniformity in this area increases the visual comfort when watching the displayed images.

EDGE COMP OFF

EDGE COMP ON (X462UN)

LED backlighting (X551UN).

*The picture is an image describing the function.

Multi-screen configuration of up to 10 x 10 displays

The TileMatrix function allows you to create multi-screen configurations of a maximum of 10 x 10 displays for a large-screen size of up to 460 inches with the X462UN, and up to 546 inches with the X551UN. These displays are also easier to transport and install to existing buildings for multi-screen configuration than bigger displays of 100 inches or more.

Dedicated calibration software available for colour adjustment

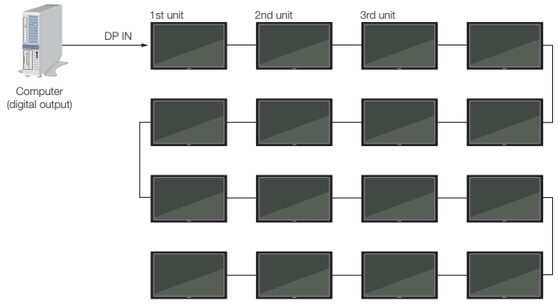
As brightness and colour temperature of LCD change with usage time, the problem of non-matching colours between displays may occur in multi-screen configurations. To resolve this, a dedicated calibration software allowing to easily adjust colours is supplied free of charge.

*A separate NEC recommended colour sensor is required.

Digital daisy chain ability for multi-screen displays

The X551UN is equipped as standard with DVI-D and DisplayPort output terminals, and supports digital signal transmission via daisy chain connections. High quality digital signals can be transferred to up to 100 displays connected with DisplayPort cables in multi-screen configuration. With the X462UN/X461UNV, up to 9 displays can be connected using the optional board SB-L008WU.

When using DisplayPort connections for daisy chaining, up to 100 devices can be connected.



A built-in expansion slot for flexible functionality and installation

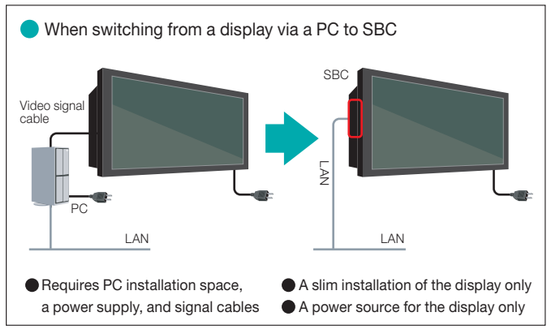
Expansion slot for enhanced functionality

This series comes with an expansion slot, enabling you to expand or add functions to the display. You can add an internal board at any time, future proofing your investment.

Flexible installation opportunities

The expansion slot enables you to add an internal board, which provides greater flexibility to install displays in locations without space for display devices like computers and display controllers. With conversion adapter (SB-02AM: option), you can also use OPS*-compliant SBC (X551UN).

*OPS is a standard set up by Intel Corporation.



● Board

SBC (Single Board Controller)
NET-SBC-01 (with OS)
NET-SBC-02 (without OS)

OPS with conversion adapter (option)
*For X551UN only
** The image is OPS mounted

High reliability and user friendly control function for professional use

This series boasts the industry's most extensive control, diagnostics and communication features, providing the highest level of remote display management.

- RS-232C enables multi-display control and daisy chain, allowing for individual and group-addressable control, and simple, effective setup and monitoring of the display.
- Ethernet connectivity adds the same RS-232C control plus automatic email notification for diagnostic purposes.
- SNMP function allows users to control and monitor items such as the power, brightness, and screen mode via network.
- NaViSet™ software offers an intuitive graphical interface, allowing easy adjustment of display settings via mouse and keyboard operations. NaViSet Administrator provides all the advanced control to remotely located IT professionals.
- DDC/CI standard allows PC control of the display based on the VESA command set.

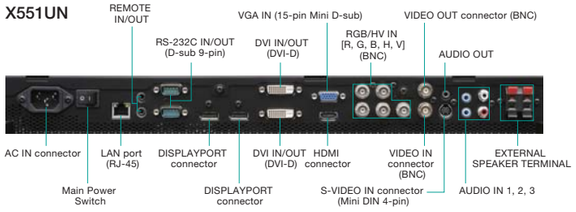
Advanced green technologies provide a lower total cost of ownership

The displays come packed with eco-friendly features, decreasing energy consumption, lowering your expenses over the lifecycle of the display and contributing to environmental awareness.

- Ambient light sensor* ensures consistent brightness no matter the lighting conditions, while allowing the user to set the brightness level to a pre-determined lower level in order to automatically compensate and reduce the brightness, thereby decreasing power consumption. *Optional sensor unit required.
- Carbon footprint meter helps track and calculate the conservation of green gas emissions in real time.
- Real-time clock/round-the-clock scheduling allows advanced scheduling of monitor powering up/ down, increasing panel lifetime, reducing power consumption and saving the time and expense of finding and purchasing a third-party scheduling solution.
- Energy consumption further decreased on the X551UN that uses LED backlighting, which is mercury-free.
- Cold cathode fluorescent lamp (CCFL) backlighting enables to reduce the power consumption, while increasing the life of the panel and contrast ratio. *Only X462UN/X461UNV.

● Terminals

X551UN



X462UN / X461UNV