Specifications

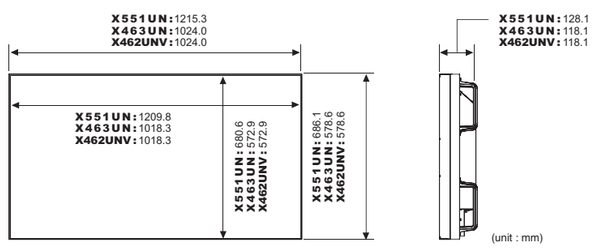
MODEL	X551UN	X463UN	X462UNV
LCD MODULE			
Viewable Size (Diagonal)	55"	46"	
Panel Technology	SPVA		
Native Resolution	1920 x 1080		
Pixel Pitch	0.630 mm	0.530 mm	
Brightness (Typical(*1) / Maximum)	500 cd/m² / 700 cd/m²		320 cd/m² / 450 cd/m²
Contrast Ratio (Typical(*1))	3500:1		
Active Screen Area (W X H)	1209.6 x 680.4 mm	1018.1 X 572.7 mm	
Response Time (Typical)	8 ms (G to G)		
Back Light Technology	LED		
CONNECTIVITY			
Input Terminals			
RGB1 (Digital)	DVI-D		
RGB2 (Digital)	DisplayPort (not supported audio)		
RGB3 (Analogue)	Mini D-sub 15 pin		
RGB4 (Analogue)	5 BNC (RGB/HV)		
Video 1	Composite (BNC)		
Video 2	S-Video		
Video 3	HDMI		
Component Video 1 (DVD / HD)	Sharing with 5 BNC (RGB/HV)		
Audio	Audio 1 & 2 (Stereo Mini Jack x 2), Audio 3 (RCA), Audio 4 (HDMI)		
Output Terminals			
RGB (Digital)	DVI-D, DisplayPort (not supported audio)		
Video	BNC		
Audio	Stereo Mini Jack		
External Control	RS-232C in / out for multiple monitor control, Ethernet, IR, DDC / CI		
Speaker Output			
External Speakers	15W + 15W		
Internal Speakers	–		
FEATURES			
Additional Features	Ultra-narrow bezel, Advanced thermal capabilities, Sealed panel design, Expansion slot, TileMatrix (10x10), TileComp, Ethernet control and communication, Carbon footprint meter, Plug and Play (DDC/CI, DDC2B), Scheduler (with RTC), Sharpness/softness 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 Requirement	4.1 A @ 100-120 V 1.7 A @ 220-240 V	3.0 A @ 100-120 V 1.1 A @ 220-240 V	2.9 A @ 100-120 V, 1.2 A @ 220-240 V
Power Consumption			
Typical Mode	190W	120 W	
Standby Mode	<0.5W		
PHYSICAL SPECIFICATIONS			
Bezel Width (L,T / R,B)	3.7 mm / 1.8 mm	3.8 mm / 1.9 mm	
Dimensions (without stand; WxHxD)	1215.3 x 686.1 x 128.1 mm	1024.0 x 578.6 x 118.1 mm	
Packaging Dimensions (WxHxD)	1461.0 x 904.0 x 320.0 mm	1278.0 x 837.0 x 301.0 mm	
Net Weight (without stand)	36.4 kg	24.3 kg	
Gross Weight	47.0 kg	32.0 kg	
VESA Hole Configuration	400 x 400 mm (M6, 4 holes)	300 x 300 mm (M6, 4 holes)	
ENVIRONMENTAL CONDITIONS			
Operating Temperature	5-40°C		0-40° C
Operating Humidity	20-80 %		
ACCESSORIES			
Included	Power cord, DVI-D cable, Wireless remote control cable, Setup manual, Cable Cover, Clamps, Screws, CD-ROM, Thumscrew for optional stands		
Optional	Stand (ST-5220), Speaker (SP-RM1), DVI Daisy Chain Board(SB-L008WU), SBC(NET-SBC-01/NET-SBC-02), Media Player Board (SB-L008KU), HD-SDI Board (SB-L007KK), Slot Adapter(SB-02AM), SBC (N8000-8830/N8000-8822)*1, KT-RC, WM-55UN-L/P, KT-55UN-OF	Stand (ST-4020), Speaker (SP-RM1), DVI Daisy Chain Board(SB-L008WU), SBC(NET-SBC-01/NET-SBC-02), Media Player Board (SB-L008KU), HD-SDI Board (SB-L007KK), Slot Adapter (SB-02AM), SBC (N8000-8830/N8000-8822)*1, KT-RC, WM-46UN-L2/P, KT-46UN-OF2	Stand (ST-4020), Speakers (SP-RM1), DVI Daisy Chain Board (SB-L008WU), SBC (NET-SBC-01/NET-SBC-02), Media Player Board (SB-L008KU), HD-SDI Board (SB-L007KK), Slot Adapter (SB-02AM), SBC (N8000-8830/N8000-8822) *1, KT-RC, WM-46UN-L2/P, KT-46UN-OF2

*1 : SB-02AM is required

Options

Remote control kit
KT-RC

Dimensions



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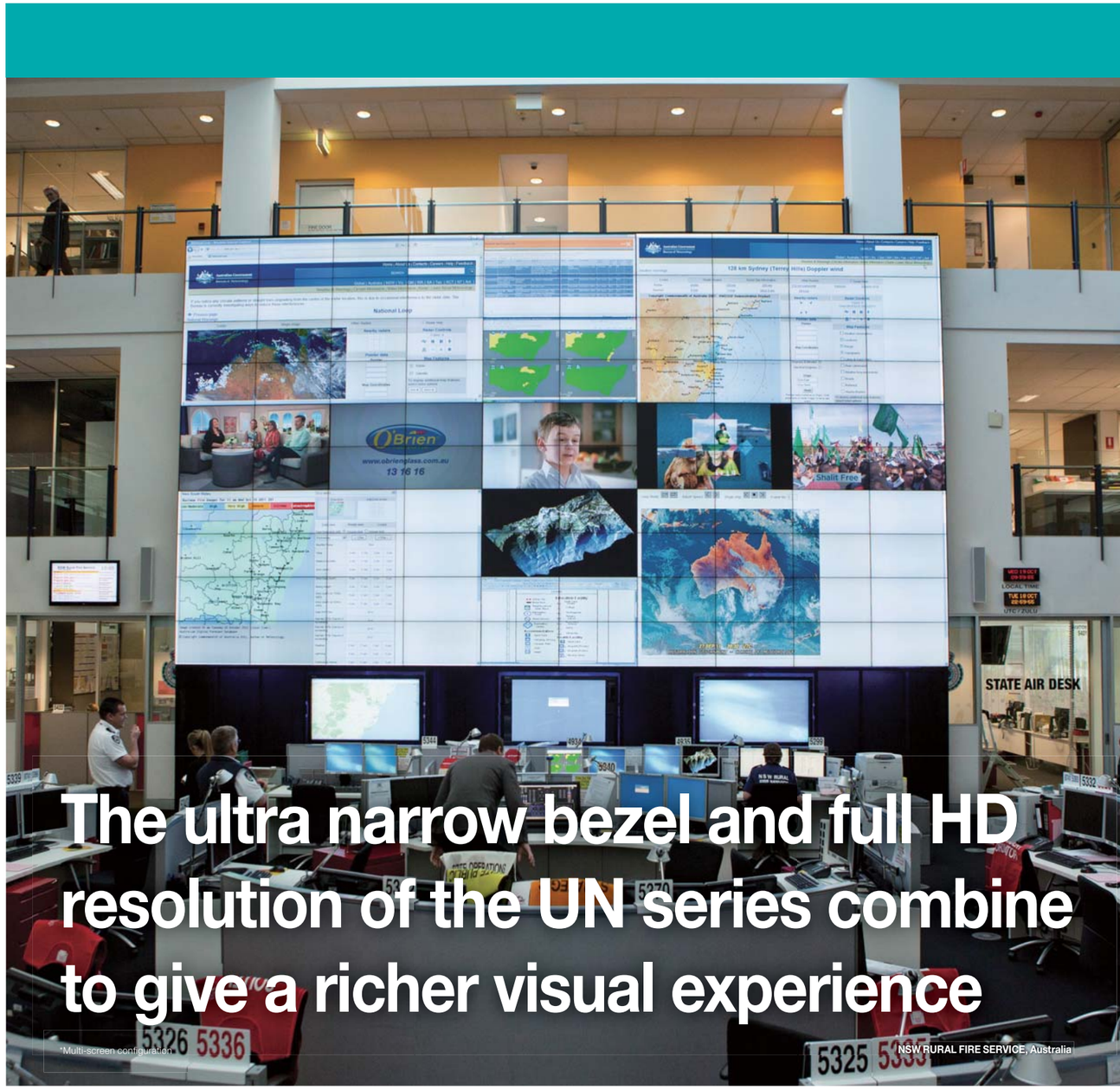
Large-Screen LCD

Empowered by Innovation NEC

X551UN / X463UN / X462UNV

Ultra-narrow, professional-grade LCD displays



The ultra narrow bezel and full HD resolution of the UN series combine to give a richer visual experience

*Multi-screen configuration

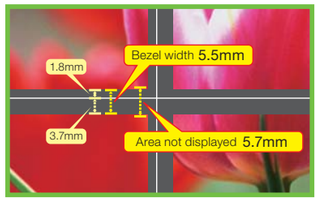
NSW RURAL FIRE SERVICE, Australia

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
X463UN X462UNV	Bezel width	3.8mm	1.9mm	5.7mm
	Area not displayed	3.9mm	2.0mm	5.9mm

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 / X463UN. 450 cd / m² with X462UNV

Improved brightness uniformity in multi-screen configuration

This series 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.

X551UN **X463UN** **X462UNV**

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 X463UN/X462UNV, 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.

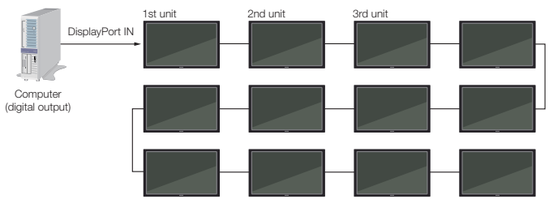
Dedicated calibration software available for colour adjustment

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

This series 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 connected with DisplayPort cables in multi-screen configuration.



*For further information about the number of connectable units via DVI-D and DisplayPort please visit our web site at http://www.nec-display.com/ap/

A built-in expansion slot for flexible functionality and installation

Expansion slot for enhanced functionality

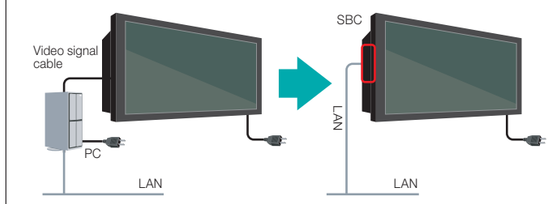
This series comes with an expansion slot, enabling you to expand or add functions to the display. You can add an internal board at any time, future proofing your investment.

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.

*OPS is a standard set up by Intel Corporation.

● When switching from a display via a PC to SBC



● Requires PC installation space, a power supply, and signal cables

● A slim installation of the display only

● A power source for the display only

● Board

SBC (Single Board Controller)

● NET-SBC-01 (with OS)
● NET-SBC-02 (without OS)

● N8000-8830/ N8000-8822

*SB-02AM is required

Slot Adapter

● SB-02AM

Media Player Board

● SB-L008KU

HD-SDI Board

● SB-L007KK

High reliability and user friendly control function for professional use

This series boasts extensive controls, diagnostics and communication features, making remote display management easier.

● 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

This series comes 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 adjusts the brightness level depending on the amount of ambient light within the room automatically, ensuring perfect brightness at all times avoiding uncomfortable brightness levels and reducing unnecessary power consumption. The ambient light sensor can be programmed by the user to perfectly adjust the sensor performance to the users needs.

● 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.

● Terminals

X551UN / X463UN / X462UNV