NEC LCD 55", 65", 84" and 98" Professional UHD Large Format Displays

MultiSync® X551UHD, X651UHD, X841UHD & X981UHD-2

UHD Professional Large Format Displays

█ NEC is ushering in a new era of visual experience

with the MultiSync X551UHD, X651UHD, MultiSync® X841UHD and MultiSync® X981UHD-2. These displays set new standards in image size and quality by providing a 65 inch, 84 inch and 98 inch canvas with Ultra High Definition (UHD) guaranteed to capture undivided attention of viewers. Loaded with innovative features and high end components, this model delivers a complete package for all kinds of demanding professional applications.

This display is ideal for any heavy duty application from control rooms to CAD/CAM, from rental and staging to professional conferencing, from creative multimedia design to life size digital signage.

█ BENEFITS

Stunning image quality - delivered by an Ultra High Definition (3840 x 2160) Professional LED backlit panel.

Enhanced imaging performance - advanced settings of all relevant visual parameters for full control of brightness, color, gamma and uniformity via Spectraview Engine.

Reliable color reproduction - due to 10-bit color performance* with amazing viewing angles and hardware calibratable LUT for accurate image presentation.

Mission-critical 24/7 ready operation - with reliable, premium grade components and NEC trusted performance.

Flexible multi-source conferencing and efficient split-screen operation - featuring a wide future-ready range of digital connectivity.

Future proof your investment - flexible connectivity and numerous digital inputs

Free Download of Multi-Display Management Software - with NaViSet Administrator 2 you can manage all your connected display devices from a centralized location.

*For certain displays

NEC Display Wall Calibrator
Color Adjustment Software for Video Wall Applications

NEC Display Solutions
MultiProfiler

NEC PD Comms Tool

SpectraView II

4K UHD

NaViSet Administrator 2

LED
LED Backlight LCD

UHD quality and large screens offer overwhelming appeal

These impressive large screen displays offer UHD (3840 x 2160) resolution, four times that of traditional FHD. This allows them to precisely reproduce photos and video down to their fine details and bring overwhelming presence, realism, and depth to public spaces.
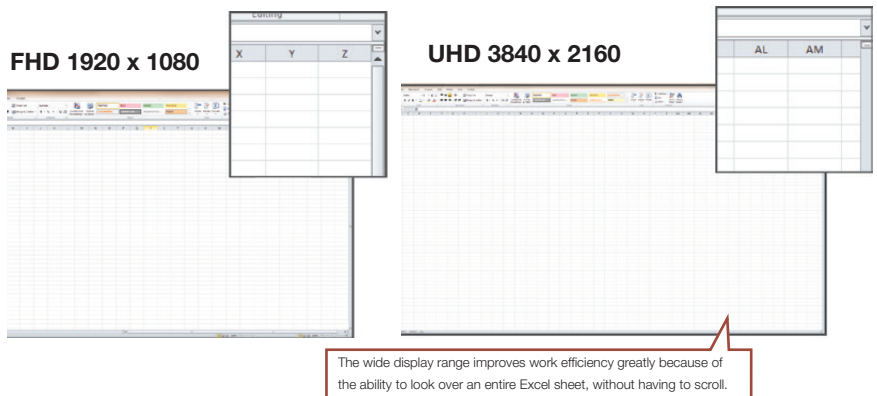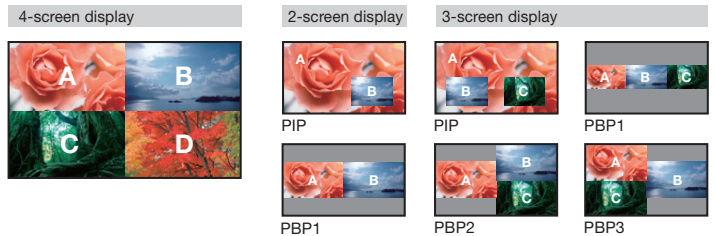
● **Display differences with Full HD (FHD)**

FHD

UHD

● **Visibility differences by screen size (display range in Excel)**

FHD 1920 x 1080

UHD 3840 x 2160

The wide display range improves work efficiency greatly because of the ability to look over an entire Excel sheet, without having to scroll.

Multi Picture Mode

The integrated Multi Picture Mode allows for the ability to simultaneously show up to 4 images on the panel through any input via simple manipulation via IR, RS232C or LAN. Each individual image can be rotated and manipulated as well to fill up the blank spaces on the display allowing for different ways to portray content on the screen.

● **Examples of Multi Picture Mode**

4-screen display

A B
C D

2-screen display

A B
PIP

A B
PBP1

3-screen display

A B C
PIP

A B C
PBP1

A B C
PBP2

A B C
PBP3

UHD Upscaling

The UHD upscaling function can be utilized to display Full HD video signals at a quality-level equivalent to UHD through a bicubic interpolation algorithm. This allows traditional FHD content to be displayed at an even higher quality compared to traditional pixel upscaling.
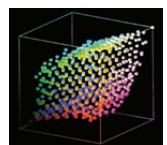
SpectraView® Engine

Through the use of a dedicated integrated circuit, 3D LUT and NEC trademark technology, this display has the ability to reproduce colors much more accurately than traditional FHD or UHD displays. Various color gamuts can be expressed precisely according to sRGB and other simulated industry standards like Adobe RGB®, DCI and REC-bt709 without calibration of each image-quality setting. In addition, display settings designed for different applications are preset at the factory as "Picture Mode" settings, so you can use a setting quickly by selecting it from the menu.

SpectraView® engine

3D lookup table

Technical Specifications

MODEL	X551UHD	X651UHD	X841UHD	X981UHD-2
LCD MODULE				
Panel Technology	SPVA with Edge LED Backlighting	S-IPS with Edge LED Backlighting		S-IPS with Direct LED Backlighting
Viewable Image Size	55"	65"	84"	98"
Native Resolution	3840 x 2160			
Brightness (Typical/Max)	400 cd/m² / 500 cd/m²	320/450 cd/m²	380/500 cd/m²	
Contrast Ratio (Typical)	4000:1	1300:1	1400:1	1300:1
Viewing Angle	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10			
Aspect Ratio	16:9			
Active Screen Area (W x H)	47.6 x 26.8 in. : 1209.6 x 680.4mm	56.2 x 31.6 in. : 1428.5 x 803.5mm	73.2 x 41.2 in. : 1860.5 x 1046.5mm	85.0 x 47.8in. : 2158.8 x 1214.4mm
Displayable Colors	Greater than 1.07 Billion			
Orientation	Landscape/Portrait			
CONNECTIVITY				
Input Terminals — Digital	DisplayPort (with HDCP), HDMI x4 (with HDCP), DVI-D (Dual-Link with HDCP)			
Input Terminals — Audio	Audio Mini-Jack, DisplayPort Audio, HDMI Audio x4			
Input Terminals — External Control	RS-232C, LAN, IR Remote In			
Output Terminals — Audio	Audio Mini-Jack			
Output Terminals — Speakers	External Speaker Terminal (10W x 2)			
Output Terminals — External Control	LAN			
USB Hub	USB Upstream/USB Downstream, USB Service Port			
POWER CONSUMPTION				
On (Typical)	150W		380W	420W
Auto Power Save	<0.5W	<6.0W		
Auto Standby	<0.5W			
Current Rating	3.6A @ 100-120V ; 1.4A @ 220-240V	3.6A @100-120V, 1.4A @ 220-240A	6.7A @100-120V, 2.7A @ 220-240A	7.7A @100-120V, 3.0A @ 220-240A
PHYSICAL SPECIFICATIONS				
Bezel Width (L/R, T/B)	18.5mm/18.5mm, 18.5mm/18.5mm	17.5mm/17.5mm, 17.5mm/17.5mm	32.6mm/32.6mm, 32.6mm/32.6mm	19.9mm/19.9mm, 19.9mm/19.9mm
Net Dimensions (without stand; WxHxD)	49.2 x 28.4 x 3.1 in. ; 1250.2 x 721.0 x 78.1mm	57.8 x 33.2 x 3.4 in. / 1468.4 x 843.6 x 87.4mm	76.0 x 44.0 x 3.3 in. : 1931.0 x 1117.0 x 85.0mm	86.8 x 49.6 x 4.25 in. : 2204.8 x 1259.8 x 108mm
Net Weight (without stand)	63.3lbs / 28.7kg	92.6lbs / 42.0kg	155.4lbs. / 70.5kg	199.7lbs. / 90.6kg
VESA Hole Configuration	400 x 400mm (4-hole)			
ENVIRONMENTAL CONDITIONS				
Operating Temperature	0 - 40C / 32 - 104F			
Operating Humidity	20 - 80%			
Operating Altitude	0-3000m			
LIMITED WARRANTY	3 years parts and labor, including backlight*			
ADDITIONAL FEATURES	Multi Picture Mode, SpectraView Engine Mode, Advanced thermal capabilities, Ethernet Control and Communication, RS-232 Control and Communication, Carbon Footpring Meter, Full 24/7 Scheduler, Ambient Light Sensor, Intelligent Wireless Data through NFC (App separate), OPS Expansion Slot, Fixed/Variable Audio Out, Input Labeling, Built-In Speakers, LED Backlighting			
SHIPS WITH	Power Cord, DisplayPort Cable, Mini-DisplayPort to DisplayPort Cable, Wireless Remote Control, AAA Batteries, Setup Manual, CD-ROM, Screw, Clamp			
OPTIONAL ACCESSORIES	Stand (ST-5220), External Rear-Mounted Speaker (SP-RM1), External Thin Side-Mounted Speaker (SP-TF1), HDMI 2.0 / DisplayPort 1.2 OPS Option Board (SB-08DC), Intel Broadwell OPS PC (OPS-PCIB-PS)	Stand (ST-651), External Rear-Mounted Speaker (SP-RM1), External Thin Side-Mounted Speaker (SP-TF1), Intel Broadwell OPS PC (OPS-PCIB-PS)	Stand (ST-801), External Rear-Mounted Speaker (SP-RM1), External Thin Side-Mounted Speaker (SP-TF1), Intel Broadwell OPS PC (OPS-PCIB-PS)	

* Warranty restrictions apply. Contact your representative for details.

1. USB Service Port
2. LAN Ports
3. Remote In
4. RS-232C
5. Audio Mini Jack In
6. DVI 1 Dual Link In
7. HDMI 1.4 In
8. DVI 2 Dual Link In
9. HDMI 1.4 In
10. DisplayPort 1.2 In
11. Internal/External Speaker Switch
12. External Speaker Terminal
13. Audio Mini Jack Line Out
14. USB Downstream
15. USB Upstream