\Orchestrating a brighter world NEC

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.

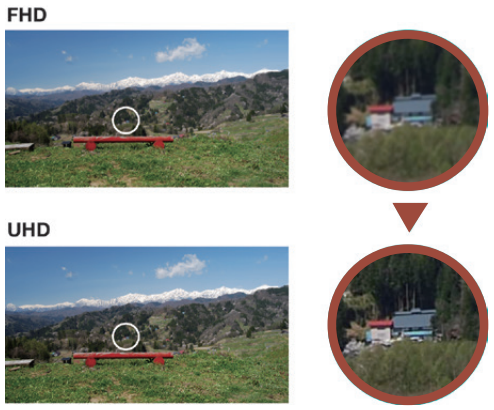
*For certain displays

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 Backlight LCD

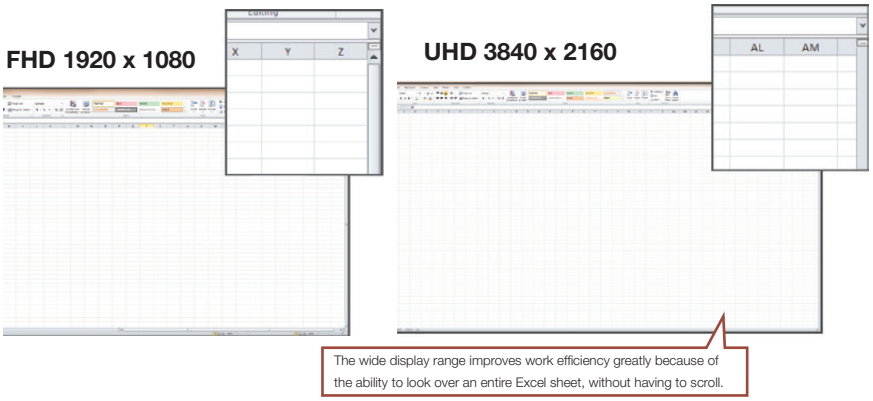
UHD quality and large screens offer overwhelming appeal

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)**



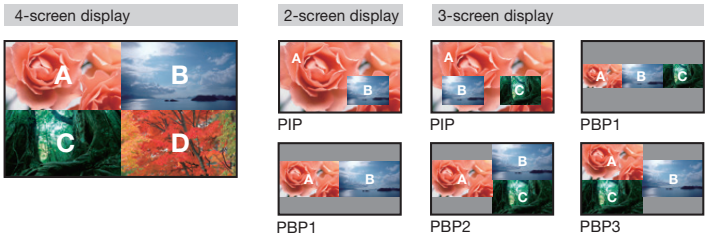
- **Visibility differences by screen size (display range in Excel)**



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**



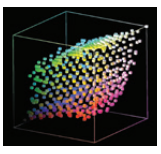
UHD Upscaling

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)			
	Audio	Audio Mini-Jack, DisplayPort Audio, HDMI Audio x4			
	External Control	RS-232C, LAN, IR Remote In			
Output Terminals	Audio	Audio Mini-Jack			
	Speakers	External Speaker Terminal (10W x 2)			
	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

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