MultiSync® X981UHD-2 / X841UHD-2 / X651UHD-2 / X551UHD

Specifications

MODEL		X981UHD-2	X841UHD-2	X651UHD-2	X551UHD
LCD MODULE					
Viewable Size (Diagonal)		98"	84"	64.5"	54.6"
Active Screen Area (W × H)		2,158.8 × 1,214.4 mm	1,860.5 × 1,046.5 mm	1,428.5 × 803.5 mm	1,209.6 × 680.4 mm
Panel Technology		IPS			
Native Resolution		3,840 × 2,160 at 60 Hz			
Brightness (Typical / Maximum)		380 / 500 cd/m²	380 / 500 cd/m²	320 / 450 cd/m²	400 / 500 cd/m²
Contrast Ratio (Typical)		1,300:1	1,400:1	1,300:1	4,000:1
Viewing Angle [°]		178 horizontal / 178 vertical (at contrast ratio 10:1)			
Response Time (Typical)		8 ms (G to G)	12 ms (G to G)	8 ms (G to G)	6 ms (G to G)
CONNECTIVITY					
Input Terminals	DisplayPort	DisplayPort × 1			
	HDMI	HDMI × 4			
	DVI	DVI-D Dual Link × 2			
	Audio	Digital: HDMI × 4, DisplayPort × 1, Analogue: 3.5 mm Stereo Mini Jack × 1			
Output Terminals	Audio	3.5 mm Stereo Mini Jack × 1			
	External Speakers	Speaker terminals for L / R × 1			
External Control	RS232C in	Mini D-Sub 9 pin × 1			
	Ethernet	RJ-45 10 / 100BASE-T × 1			
	Remote in	3.5 mm Stereo Mini Jack × 1			
USB Hub	Upstream	USB 2.0 Type B (Max. 0.5 A) × 1			
	Downstream	USB 2.0 Type A (Max. 0.5 A) × 1			
OPS Option Slot	Slot Technology	Open pluggable specification (NEC / Intel OPS standard) × 1			
Speaker Output	External Speakers	15 W + 15 W (8 Ω)			
	Internal Speakers	10 W + 10 W			
POWER					
Power Requirement		7.7 to 3.0 A @ 100 to 240 V	6.7 to 2.7 A @ 100 to 240 V	3.6 to 1.4 A @ 100 to 240 V	3.6 to 1.4 A @ 100 to 240 V
Power Consumption (Typical)		420 W	380 W	150 W	150 W
Power Consumption - standby Mode		<0.5 W			
PHYSICAL SPECIFICATIONS					
Bezel Width		19.9 mm	32.6 mm	17.5 mm	18.5 mm
Dimensions (without stand: W × H × D)		2,204.8 × 1,259.8 × 108.0 mm	1,931.0 × 1,117.0 × 85.0 mm	1,468.4 × 843.6 × 87.4 mm	1,250.2 × 721.0 × 78.1 mm
Dimensions (with stand: W × H × D)		2,204.8 × 1,297.4 × 606.0 mm	1,931.0 × 1,154.2 × 606.0 mm	1,468.4 × 879.1 × 512.0 mm	1,250.2 × 760.5 × 400.0 mm
Packaging Dimensions (W × H × D)		2,355 × 1,454 × 400 mm	2,157 × 1,290 × 360 mm	1,736 × 1,054 × 320 mm	1,430 × 920 × 250 mm
Net Weight (without stand)		90.6 kg	70.5 kg	42.0 kg	28.7 kg
Gross Weight (with box)		117.0 kg	90.5 kg	55.6 kg	35.7 kg
VESA Hole Configuration		400 × 400 mm (M8, 4 holes)			
Supported Orientation		Landscape, Portrait			
ENVIRONMENTAL CONDITIONS					
Operating Temperature		0 to 40°C			
Operating Humidity		20 to 80 % (without condensation)			
ADDITIONAL FEATURES					
Operating Hours		24/7			
Sensors	Ambient Light Sensor	Integrated, triggered actions programmable			
	Motion Sensor	Optional, external, 4–5 m range, triggered actions programmable			
	Temperature Sensor	Integrated, 3 sensors, triggered actions programmable			
	NFC Sensor	Integrated, 2-cm range, free NEC Android App required			
ACCESSORIES					
Included		CD-ROM (User Guides / Manuals), DisplayPort Cable, Mini DisplayPort to DisplayPort cable, Power cord, Wireless remote control with batteries, Thumbscrews for optional stand*1, Clamp*2, Screw with washer*3			
Optional		Please see the below chart			

*1: X551UHD only, *2*3: x3 X551UHD

Terminals

USB Service Port | LAN Ports | RS-232C | DVI 1 Dual Link In | DVI 2 Dual Link In | DisplayPort In

Remote In | Audio Mini Jack In | HDMI In | HDMI In

Internal / External Speaker Switch | Audio Mini Jack Line Out | USB Downstream

External Speaker Terminal | USB Upstream

HDMI® HIGH-DEFINITION MULTIMEDIA INTERFACE

Dimensions

X981UHD-2 : 2204.8
X841UHD-2 : 1931.0
X651UHD-2 : 1468.4
X551UHD : 1250.2

X981UHD-2 : 108.0
X841UHD-2 : 85.0
X651UHD-2 : 87.4
X551UHD : 78.1

X981UHD-2 : 1259.8
X841UHD-2 : 1117.0
X651UHD-2 : 843.6
X551UHD : 721.0

4K UHD

unit: mm

Options

	OPS-Single Board Controller (Computer)		Slot Board — SDI Board			HDMI DisplayPort 1.2	HDBaseT	Stand	Speaker	Sensor Kit — Motion, Ambient light IR Remote	HDBaseT Interface Selector
	Core i5 60GB-SSD	Core i5 320GB-HDD	Quad-SDI	3G-SDI	HD-SDI						
X981UHD-2	N8000-8866	N8000-8865	SB-09HC*	SB-04HC	SB-01HC	SB-08DC*	SB-07BC	ST-801	SP-RM1 SP-TF1	KT-RC2	NP01SW
X841UHD-2											
X651UHD-2								ST-651			
X551UHD								ST-5520			

* Up to 4K 60Hz
Local options: please contact your supplier.

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

4K UHD

NEC Display Solutions, Ltd.

Cat. No. WLCD-1602-0013Nb

Large-Screen LCD

\Orchestrating a brighter world **NEC**

NEC LCD Professional Large Format Displays

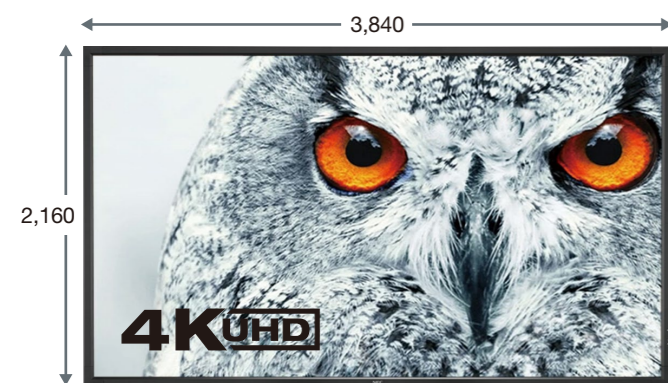**MultiSync®** X981UHD-2 / X841UHD-2 / X651UHD-2 / X551UHD

NEC is ushering in a new era of visual experience with Ultra High Definition (UHD).

Loaded with innovative features and high end components, this series delivers a complete package for all kinds of demanding professional applications. These displays are ideal for any heavy duty application: from control rooms to CAD/CAM, from medical review to professional conferencing, and from creative multimedia design to life size digital signage.
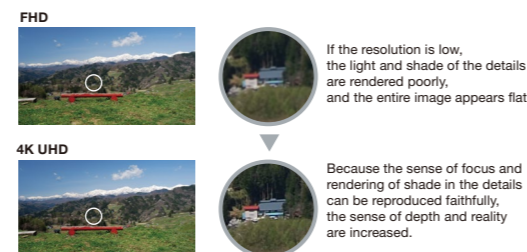
Highlights

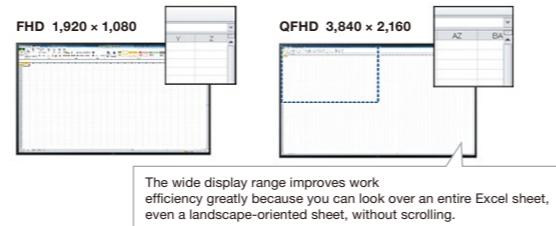### 4K Quality and Large Screens Offer Overwhelming Appeal

The impressive large screens offer 4K (3,840 × 2,160) display, which is four times the resolution of Full HD. They precisely reproduce photos and video down to their fine details and bring overwhelming presence, realism, and depth to public spaces.

3,840

2,160

Display differences with Full HD (FHD)

FHD

If the resolution is low, the light and shade of the details are rendered poorly, and the entire image appears flat.

4K UHD

Because the sense of focus and rendering of shade in the details can be reproduced faithfully, the sense of depth and reality are increased.

Visibility differences by screen size (display range in Excel)

FHD 1,920 × 1,080 **QFHD 3,840 × 2,160**

The wide display range improves work efficiency greatly because you can look over an entire Excel sheet, even a landscape-oriented sheet, without scrolling.

UHD Upscaling Function

The UHD upscaling function can display Full HD video signals at a quality-level equivalent to 4K, so many conventional content types can be displayed at high quality.

OFF ON

Increasing the resolution clarifies the unevenness of the wall, revealing a feeling of solidity and depth.

### Multi-Screen Display of Up to Four Screens Enables Display of Large Volumes of Information

The multi-screen function lets you divide the display and show separate input signals at the same time. Even when the display is divided into two, three, or four screens, there are various multi-screen functions using 4K ultra high resolution. In addition, the display provides a seamless 4K multi-screen environment by displaying four Full HD (1,920 × 1,080) screens at the same time.

Examples of multi-screen display

4-screen display 2-screen display 3-screen display

PIP PIP PBP1

PBP1 PBP2 PBP3
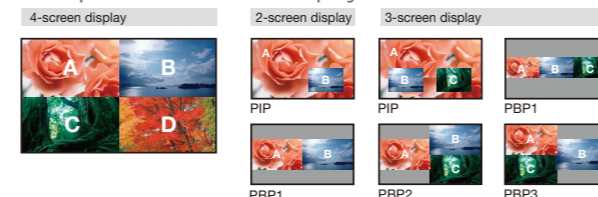
SpectraView® Engine Precisely Recreates Colours with High Precision

The display can reproduce colours more accurately because it is equipped with a 3D lookup table and unique colour conversion algorithm through its dedicated imageprocessing IC. Various colour gamuts can be expressed precisely according to sRGB and other industry standards 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
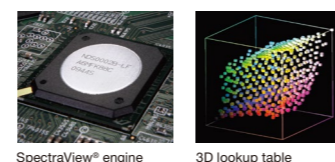
Support for MultiProfiler® Software to Easily Realize Various Emulation Functions

The display supports MultiProfiler®, NEC's unique application software. Applying an ICC profile* to the display easily enables advanced colour reproduction, and you can also create and save ICC profiles for displays that require colour management.

NEC Display Solutions **MultiProfiler**
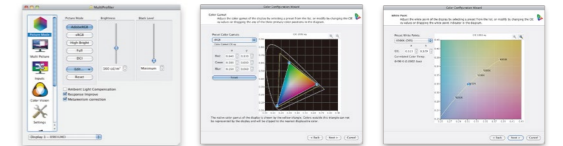
*ICC profile: A file established by the International Color Consortium (ICC) that lists the colour gamut of the device to determine how a specific device reproduces colour. Files can be created for three main device types: displays, input devices (digital cameras, scanners, etc.) and output devices (printers, etc.).

ICC Profile Emulation Function

Using the newly developed MultiProfiler® application to apply various ICC profiles to the display has enabled highly accurate colour reproduction, even without software that supports colour management. By using simple operations, you can configure colour gamut such as sRGB and Adobe®RGB, and colour matching for displays of other companies is also supported.
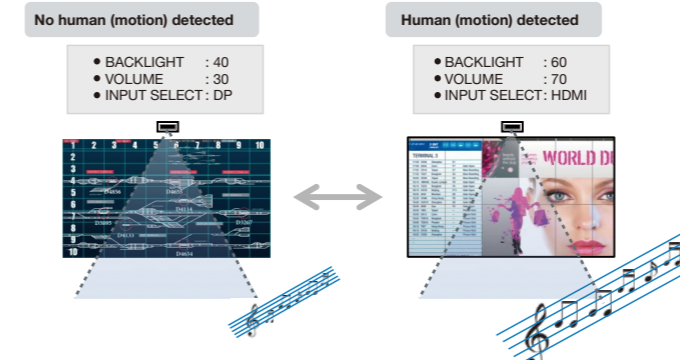
Print Emulation Function

Using MultiProfiler® to apply ICC profiles to the display reproduces print images without needing software that supports colour management. For example, ICC profiles compliant with Japan Colour and other industry standards, ICC profiles configured and managed by individual print companies, and ICC profiles of printers generated by software that supports other colour management systems can be used.

Human Sensor and Advanced Auto Dimming

This optional human (motion) sensor accessory (KT-RC2) helps to deliver creative digital signage to end users by allowing for dynamic control of brightness, audio and source inputs while saving on operating costs. Auto dimming adjusts the backlight of the LCD automatically depending on the amount of ambient light.

Practical example

No human (motion) detected

● BACKLIGHT : 40
● VOLUME : 30
● INPUT SELECT : DP

Human (motion) detected

● BACKLIGHT : 60
● VOLUME : 70
● INPUT SELECT : HDMI

Optional Dual Expansion Slot

The slot technology allows for the integration of Open Pluggable Specification (OPS*) boards and other option slot products without the need to store additional external equipment. This offers the greater flexibility customers require.

Option board slot OPS*

*OPS is a standard established by Intel Corporation.

Intelligent Wireless Data Function

The built-in near field communication (NFC) chip allows data to be read and written via a mobile phone or tablet PC. Users can significantly reduce installation costs as displays can be easily configured and serviced using the NEC NFC Android app. This is available even when the display is switched off and especially useful on larger installations.

Dedicated Colour Calibration Software*

As the brightness and colour temperature of the LCD change with time, colours may not match across multiple screens. Our dedicated colour calibration software ensures colour uniformity and fidelity across multiple screens, creating a perfectly matched image in tiled environments.

*NEC Display Wall Calibrator

NaViSet Administrator 2

This software is an all-in-one remote support solution that runs from a central location and provides monitoring, asset management and control functionality of the majority of NEC display devices and Windows computers. It is ideal for multi-device installations over larger infrastructures.

NaViSet Administrator 2

Other Useful Features and Functions

- Remote control ID
- Intelligent power management system
- Screen saver function
- Aspect ratio control
- Memo function
- Carbon footprint metre
- Image and on-screen display flip
- Zoom
- 6-axis colour adjustments and sRGB standard

- Advanced video settings (Noise reduction, adaptive contrast)
- Colour temperature adjustment
- Programmable gamma setting (3 settings)
- DICOM SIM
- Plug and pay (DDC/CI, DDC2B)
- HDCP (High-bandwidth Digital Content Protection)
- USB hub
- Crestron RoomView

- AMX Discovery HTTP server
- PJLink
- Self-diagnosis
- Proof of play
- Status log function firmware
- Update over LAN
- Control lock function
- Handles