\Orchestrating a brighter world NEC

40", 48" and 55" Professional Displays Ideal for Digital Signage Applications

NEC Professional Large Format Displays

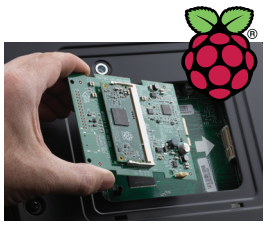
Brand new aesthetically-focused design allows for seamless integration into any digital signage environment while maintaining the professional ruggedness necessary for the transportation, restaurant and financial industries.

Beyond Standard Signage

Create maximum visual impact through seamless simplicity with the new professional NEC P series products. New contemporary and slim mechanical design with focused aesthetics allows for the smooth and stylistic integration into any type of environment. Their full metal chassis coupled with real-time temperature sensors and integrated cooling fans maintain the professional quality necessary for commercial environments. With a wide range of the latest connectivity interfaces including resolution support up to Ultra High Definition at 60Hz, these displays offer the future-proofing necessary for the investment. These displays also include expandability options such as the Open Pluggable Specification (OPS) and Raspberry Pi Compute Module slots for source integration directly into the display. The NEC P series boasts 700 cd/m^2 brightness along with a new anti-glare surface that allows for efficient readability in higher ambient light situations and is ideal for 24/7 signage in airports, quick-serve restaurants, financial institutions and command and control.

Scalable Computing Power

Integrated computing options allow for cable free signage for any type of situation. The on-board multimedia player can be utilized for simple signage applications by allowing auto-play off of USB or SD card and content transfer via LAN. For more advanced signage systems, these displays contain an industry first ability to integrate a Raspberry Pi Compute module for near limitless potential and application. Finally, each display adheres to the Open Pluggable Specification that gives the ability to seamlessly integrate a full PC, HDBaseT receiver or other options directly into the unit.

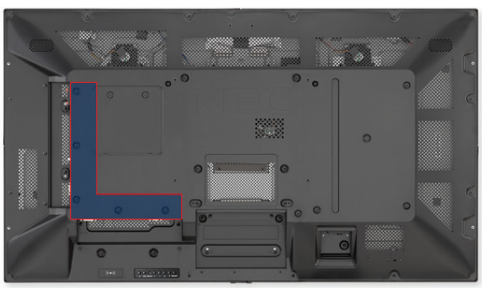


Advanced Heat Management

Monitoring and managing the temperature of each display is crucial to secure reliability and longevity. An industrial-strength, premium-grade panel with additional thermal protection, internal temperature sensors with self-diagnostics, and fan-based technology allows for 24/7 operation, and protects your display investment. Without thermal management, displays can be prone to damaging heat over time. This damaging heat will lower the picture quality and life expectancy of the product. Integrated cooling fans automatically turn on and stay on when high internal temperatures are detected. These will stay on until the heat is properly dissipated and the display remains under proper temperature thresholds.

L-Shaped Connectivity

Connectivity is located on both the bottom and side of the display to allow for easy access regardless of orientation



Blue ON LED and Ambient Light Sensor

New mechanical structure allows for sleeker LED and ambient light sensor design. Auto dimming of the LED backlights can be utilized through the ambient light sensor allowing for the brightness to change depending on the external lux in the room of installation.

Proof of Play

This function provides accurate proof that displays are working as established when checking from an external location. Information regarding video source, time on, audio source and more can be pulled through the display when coupled with NaViSet Administrator 2.

SpectraView Engine

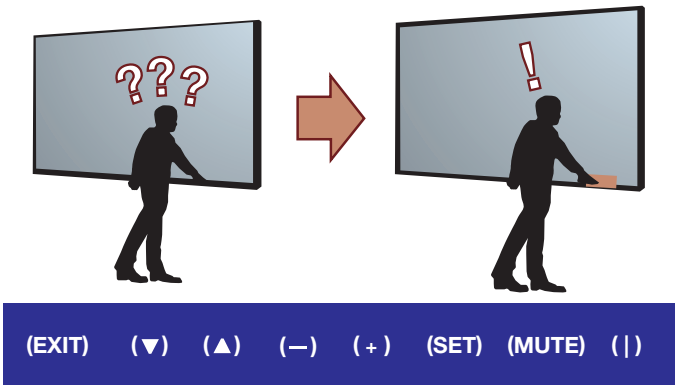
Enhanced imaging performance through advanced settings of all relevant parameters allow full control of brightness, color, gamma and uniformity via integrated color-critical chipset.

Auto TileMatrix, Auto ID and Auto IP Address Technologies

Auto IP Address simplifies control setup by setting the static IP address on the first display then initiating the feature so that the IP Addresses of consecutive displays follow the LAN daisy chain. These displays also have Auto TileMatrix and Auto ID that can, in the case of a video wall, automatically scale up to a UHD signal across the entirety of the wall through DisplayPort 1.2 while individually IDing each screen, saving time and overall cost of installation.

Key Guide

New Key Guide function allows for easier access to buttons when manually controlling the unit via the buttons on the back of the display by adding a graphic on the screen that directs the customer to the correct button layout in both landscape and portrait modes.



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

Dedicated Color Calibration Software

As the brightness and color temperature of the LCD change with time, colors may not match across multiple screens. The NEC Display Wall Calibrator software ensures color uniformity and fidelity across multiple screens, creating a perfectly matched image in tiled environments.

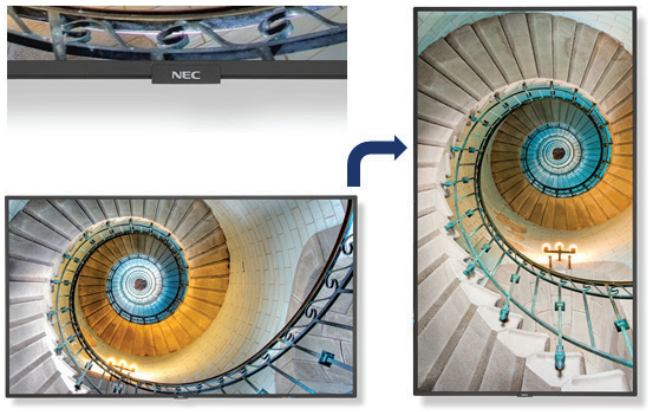
NEC Display Wall Calibrator

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 extremely useful for larger rollouts as it can be utilized even when the display is powered off.

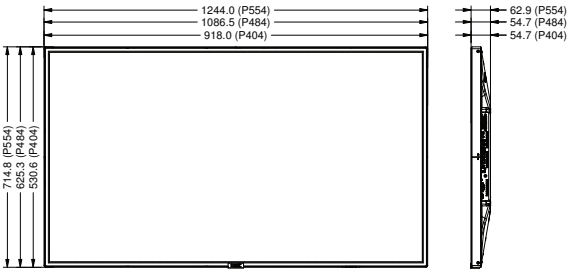
Removable Logo

When mounting from Landscape to Portrait orientation, there is now the ability to change the orientation of the logo or remove it all together



		P404	P484	P554
LCD MODULE				
Panel Technology		SPVA	SPVA	S-IPS
Viewable Image Size		40"	48"	55"
Native Resolution		1920 x 1080		
Brightness (Typical/Minimum)		550 cd/m² / 700 cd/m²		
Contrast Ratio (Typical)		4000:1		1300:1
Viewing Angle		178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10		
Aspect Ratio		16:9		
Displayable Colors		Over 1.07 Billion		
Orientation		Landscape, Portrait, Face Up, Face Down		
Panel Haze (%)		25		44
CONNECTIVITY				
Input Terminals	Digital	HDMI 2.0 x2 (with HDCP), DVI-D (with HDCP), DisplayPort x2 (with HDCP		
	Analog	VGA 15-pin D-SUB, RCA Composite		
	Audio	3.5mm Audio Mini Jack x2, DisplayPort Audio x2, HDMI Audio x3		
	External Control	LAN (100Mbit), 3.5 Mini Jack IR Remote, RS232C		
	Data	microSD (Media Player), USB 2.0 (Media Player), USB 2.0 (Service), USB Type-B (Upstream), USB 2.0 x2 (Compute Module, Powered 5V/2A)		
Output Terminals	Digital	DisplayPort (Outputs DisplayPort or OPS)		
	Analog	isplayPort (Outputs DisplayPort or OPS)		
	Audio	3.5mm Audio Mini Jack		
	External Control	LAN (100Mb)		
POWER CONSUMPTION				
On (Typ/Max)		92W/115W	115W/140W	125W/175W
Network Standby		3W		
Normal Standby		<0.5W		
Current Rating		2.9A - 1.2A @ 100V - 240V	3.1A - 1.2A @ 100V - 240V	3.6A - 1.5A @ 100V - 240V
Speaker Rating		Integrated 10W x 10W, Optional 15W x 3		
PHYSICAL SPECIFICATIONS				
Bezel Width (L/R, T/B)		13.2mm/13.2mm/ 13.2mm/13.2mm	13.2mm/13.2mm/ 13.2mm/13.2mm	14.2mm/14.2mm/ 14.2mm/14.2mm
Net Dimensions (Without stand; W x H x D)		36.1 x 20.9 x 2.2 in. 918.0 x 530.6 x 54.7mm	42.8 x 24.6 x 2.2 in. 1086.5 x 625.3 x 54.7mm	49.0 x 28.1 x 2.5 in. 1244.0 x 714.8 x 62.9mm
Net Weight (Without Stand)		31.5lbs / 14.3kg	38.8lbs / 17.6kg	54.2lbs / 24.6kg
VESA Hole Configuration		4x M6 x 12mm (300 x 300)		
SENSORS				
Ambient Light Sensor		Integrated and programmable		
Human Sensor		Optional through KT-RC2 Accessory		
Temperature Sensor		Integrated and programmable; linked to cooling fans		
NFC Sensor		Integrated; works in conjunction with free NEC Intelligent Wireless Data Application		
ENVIRONMENTAL CONDITIONS				
Operating Temperature		0 to 40C		
Operating Humidity		20-80%		
Operating Altitude		3000m		
LIMITED WARRANTY		3 years		
ADDITIONAL FEATURES		Ambient Light Sensor, AMX Support, Auto ID/Auto TileMatrix, Automated Email Alert Function, CEC Support through HDMI, Crestron Roomview Support, DICOM Simulation, Display Browser Control, Display Wall Calibrator Compatible, Factory Uniformity Correction, High Haze Panel, Image Flip, Intelligent Wireless Data (NFC), Key Guide, Media Player through Browser Control/SD Card/USB, Multi Picture Mode, NaViSet Administrator 2 Compatible, OSD Rotation for Portrait Orientation, OPS Compatible, PJ Link Support, Point Zoom Function, Power USB Port (5V/2A), Programmable LUT x3, Raspberry Pi Compute Module Compatible, Removeable Logo Ornament, Real Time Clock, SpectraView Engine Support, SNMP Support (with Uniformity Control), 24-Hour Scheduler Function, UHD Support through HDMI/DisplayPort		
SHIPS WITH		3m AC Power Cord, 1.8m DVI Cable, IR Remote Control, Batteries, CD-ROM (User Manual)		
OPTIONAL ACCESSORIES		Table Top Stand (ST-401), Optional Speakers (SP-TF1), All OPS Option Cards, NEC Raspberry Pi Compute Module (RP3CM16GB) with optional Compute Module Interface Board (DS1-IF10CE), Wall Mount (WMK-3257), Slim Wall Mount (WMK-3255S), Human Sensor (KT-RC2)		

Dimensions



Options

OPS PC's

Intel® 6th Generation
Intel® 7th Generatio

Android 5.1

SDI

HD-SDI 'OPS HDSDI 1.5G

3G-SDI OPS HDSDI 3G

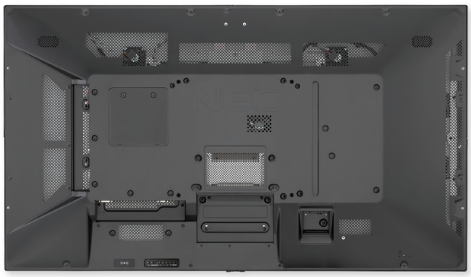
HDBaseT HDBaseT Receiver (SB-07BC)

Compute Module

Compute Module Interface Board **DS1-IF10CE**
NEC Raspberry Pi Compute Module **RP3CM16GB**

Tabletop Stand **ST-401**

Speaker **SP-TF1**



Input Panels

1. DVI-D
2. HDMI IN2
3. DisplayPort IN2
4. DisplayPort IN1
5. DisplayPort OUT
6. VGA (RGB, YPbPr)
7. Audio IN1
8. Audio IN2
9. External Speaker Terminal
10. Internal/External Speaker Switch
11. Audio OUT
12. USB1
13. USB2
14. USB CM1 (2A)
15. USB CM2
16. LAN1
17. LAN2
18. VIDEO IN
19. USB MP
20. microSD
21. REMOTE IN
22. RS-232C
23. HDMI IN1

ENERGY STAR

HIGH-DEFINITION MULTIMEDIA INTERFACE

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