

Pure. Professional. Performance.

# NEC P Series

Large Screen LCD 40" | 46" | 55" | 70"

Available with embedded  
Windows PC or Jelly Bean  
4.2.2 Digital Signage Player!

**40" - 70" professional-grade, LED edge-lit displays for  
the most harsh install environments**



## Quality is Never an Accident

Professional-grade display construction with proven thermal and mechanical design ensures a flawless 24/7 operation in even the harshest environments.

## It's Not Easy Being Green

Eco-friendly features are aplenty, with LED backlighting decreasing energy consumption, lowering total cost of ownership and contributing to environmental consciousness.

## Beauty is in the Eye of the Beholder

Providing a first-class solution for digital signage applications with bright, high-contrast, full high-definition panels across a variety of product sizes.

## Impact. Delivered.

Select NEC P Series displays' thin bezel design, advanced feature set, and enhanced video wall capabilities allow you to expand your messaging options.

# Key Features

## Quality is never an accident.

Meeting the requirements for rugged 24/7 use, the NEC P Series professional-grade LCD displays deliver a perfect picture. Every time.

What's more, this new generation of display supplies faster internal processing speeds, is lighter and thinner than its predecessor, and supports customizable connectivity options.

P Series panel construction includes:

- **Open Pluggable Specification and Interface Expansion slots** offer the flexibility customers require.
- **Higher quality standards** for components means each display is made of only the best of the best.
- **Integrated temperature sensors and fans** maximize heat dissipation and the lifetime of the display while a metal rear chassis protects your investment
- **Reduced depth and weight** means faster and easier installations
- **Improved processing** capabilities with faster start up and response times
- **Browser control** capabilities enable LAN and tablet display control
- **-PC bundles** available where the OPS slot is occupied by AMD Dual Core fusion based OPS-PCAF-WS PC
- **-DRD bundles** available where the OPS slot is occupied by Jelly Bean 4.2.2 based OPS-DRD Digital Signage Player



## Beauty is in the eye of the beholder.

Display design delivers smooth video and crisp imagery. Bright, high-contrast, full high definition panels in concert with unrivaled control, communication and accessory options deliver brilliant content to customers. Gorgeous signage is further simplified with some of the advanced technologies integrated into the new P Series displays.



- **700 cd/m2 maximum brightness** ensures display and content are visible in the brightest of ambient lighting environments
- **Full high definition** panel allows for the tiniest details to be seen on screen
- **Input switching speed** can be set via the on screen menu thereby minimizing any black screens during source transitions
- **Two port LAN hub** simplifies installation and monitoring of deployed displays
- **Simple point and zoom** feature allows presenters to zoom in to parts of a presentation via the remote
- **Enhanced Picture-in-Picture** provides flexibility for displaying two sources simultaneously

## It's not easy being green.



LED backlighting delivers both environmental and economic impact. With a mercury-free display, the NEC P series is easier to dispose when replacement is necessary. LED-backlit displays consume less power which further reduce their impact on the environment. Additionally, intelligent, built-in eco features allow display to measure and adjust to its ambient environment, thereby efficiently using and ultimately reducing power consumption.

These include:

- **LED edge-lit backlighting** reduces power consumption and allows a slimmer cabinet depth
- **Ambient light sensor** ensures consistent brightness no matter the lighting conditions, while allowing the user to set the brightness level to a pre-determined lower level in order to automatically compensate and reduce the brightness, thus decreasing power consumption
- **Carbon footprint meter** helps track and calculate the conservation of green gas emissions in real time
- **Real-time clock/round-the-clock scheduling** allows for 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
- **Human sensor** accessory allows for dynamic control of brightness, audio and source input while saving operating costs

## Impact delivered.

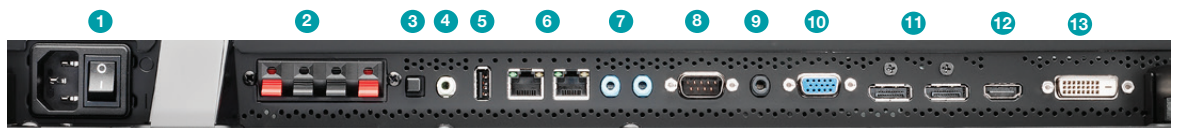
With a new chassis design, these displays deliver more than high quality images and durability.

These displays are designed to create impact with a host of new features to maximize usability and minimize costs.

- **Built in NFC sensor** reduces installation and maintenance cost
- **Multiple programmable gammas** enables superior display performance in a variety of ambient lighting conditions
- **Image Flip** supported in the on screen menu to ease mirroring images for on-set displays
- **Memo function** can assist with both set up and support by directing the user to the most appropriate contact
- **Proof of play** to show content that was paid for was shown
- **Intelligent Wireless Data** functionality enables read/write communications from a tablet that supports near field communications (NFC) to ease installations and service
- **Improved daisy chain capabilities** for video and control signals (DisplayPort and LAN) which reduce cabling requirements

### Input Panel

1. Vacation Switch
2. External Speaker Terminal
3. Internal/External speaker switch
4. Audio Mini Jack Out
5. USB Service Port
6. LAN Ports
7. Audio Mini Jack In
8. RS-232C In
9. Remote In
10. VGA D-Sub In
11. DisplayPort In/Out
12. HDMI In
13. DVI-D In



## Specifications

MODEL	P403	P463	P553	P703
LCD MODULE				
Panel Technology	SPVA (P-DID)			
Viewable Image Size	40"	46"	55"	70"
Native Resolution	1920 x 1080			
Backlight Type	LED Edge-lit			
Brightness (Typical/Max)	550/700 cd/m²			
Contrast Ratio (Typical)	4000:1			
Viewing Angle	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10			
Response Time (G-to-G)	8ms			
Aspect Ratio	16:9			
Active Screen Area (W x H)	35.1 x 19.9 in. / 892.6 x 504.2mm	40.4 x 22.8 in. / 1025.4 x 578.6mm	47.9 x 27.1 in. / 1216.6 x 687.4mm	60.6 x 34.1 in. / 1538.9 x 865.6mm
Orientation	Landscape/Portrait			
Displayable Colors	More than 16.7 million			
CONNECTIVITY				
PC/Mac Signal Compatibility	Yes			
Input Terminals				
Digital	DisplayPort, HDMI, DVI-D			
Analog	VGA 15-pin D-sub			
Audio	Audio Mini-Jack, DisplayPort Audio, HDMI Audio			
External Control	RS-232C, LAN, DDC/CI, IR			
Output Terminals				
Digital	DisplayPort (DisplayPort, HDMI, DVI-D or Option Signals out of this port)			
Analog	n/a			
Audio	Audio Mini-Jack, External Speaker Jack (2), HDMI Audio (through DisplayPort Out), DisplayPort Audio			
External Control	LAN			
Digital Tuner	P403-AVT	P463-AVT	P553-AVT	P703-AVT
OPS Windows PC	P403-PC	P463-PC	P553-PC	P703-PC
OPS Digital Signage Player	P403-DRD	P463-DRD	P553-DRD	P703-DRD
POWER CONSUMPTION				
On (Typical)	110	120	150	150
ECO Mode Standby	<0.5W			
PHYSICAL SPECIFICATIONS				
Bezel Width (L/R, T/B)	0.6in./0.6in., 0.6in./0.6in. ; 15.5mm/15.5mm, 15.5mm/15.5mm	0.6in./0.6in., 0.6in./0.6in. ; 16.5mm/16.5mm, 16.5mm/16.5mm	0.7in./0.7in., 0.7in./0.7in. ; 18.5mm/18.5mm, 18.5mm/18.5mm	0.9in./0.9in., 0.9in./0.9in. ; 23.0mm/23.0mm, 23.0mm/23.0mm
Net Dimensions (without stand; WxHxD)	36.2 x 21.0 x 2.6 in. / 920.6 x 532.2 x 66.5mm	41.6 x 24.0 x 2.5 in. / 1055.4 x 608.6 x 64.5mm	49.2 x 28.4 x 2.5 in. / 1250.2 x 721 x 64.5mm	62.5 x 36.2 x 3.4 in. / 1587 x 919.6 x 86.9mm
Net Weight (without stand)	39.7 lbs. / 18 kg	46.3 lbs. / 21 kg	55.8 lbs. / 25.3 kg	103.6 lbs. / 47.0 kg
VESA Hole Configuration	300 x 300mm (4-hole)			400 x 400mm (4-hole)
ENVIRONMENTAL CONDITIONS				
Operating Temperature	32-104°F / 0-40°C			
Operating Humidity	20 - 80%			
Operating Altitude	9843 ft. / 3000m			
LIMITED WARRANTY	3 years parts and labor, including backlight*			
ADDITIONAL FEATURES	Advanced thermal capabilities; Ethernet Control and Communication; RS-232 Control and Communication; Landscape/portrait capable; Carbon footprint meter; Scheduler (w/ real-time clock); Screen saver function; Ambient light sensor; Optional human sensor; Intelligent Wireless Data (Near Field Communication); Second expansion slot; Expanded daisy chain (DP 1.2); 6-axis color adjustment; Metal rear cabinet; POP/PIP/Side-by-Side; Handles; Variable picture modes; Fixed/Variable Audio Out; Input labeling; Backlight adjust; Aspect ratio control; Built-in speakers; LED edge-lit backlighting; OPS/Expansion slot			
SHIPS WITH	Power cord; 1.8m DVI-D cable; Wireless remote control; Batteries; CD-ROM (user manual); Option board slot cover; Screws; Thumbscrews			
OPTIONAL ACCESSORIES	Display Wall Calibrator Kit (KT-LFD-CC); Stand (ST-322 for P403/P463, ST-5220 for P553, ST-801 for P703), Wall mount (WMK-3257), Slim wall mount (WMK-3255S for P403, P463 and P553), Video Wall kit (KT-TMX4C, KT-TMX9C)			

\* Warranty restrictions apply. Contact your representative for details.



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