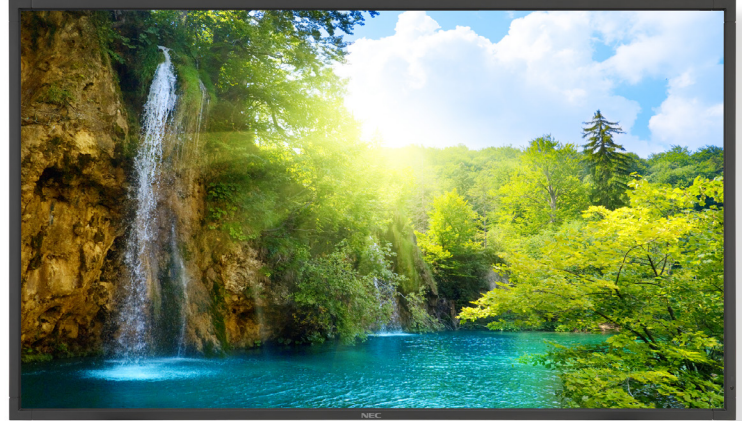


# NEC P Series

40", 46" and 70" professional-grade, full high-definition LCD displays  
ideal for digital signage applications

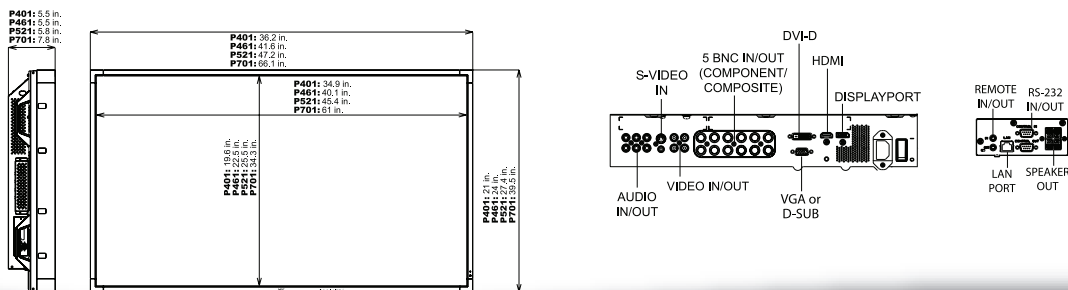
**Expand your messaging options with superior screen performance.** The NEC P Series, featuring the 40" P401, 46" P461 and 70" P701, provides a first-class solution for your digital signage applications. Its high contrast, industrial-strength design and Enhanced Digital Signage Technology Suite (DSTS), which boasts more than 30 advanced features, make these displays ideal for 24/7 operation in even the most harsh environments. These include airports, public information, healthcare, retail and other areas that require a combination of dazzling images and the highest level of display management. The P701's massive screen turns heads in corporate boardrooms as well as rental and staging applications. Advantages include a wide array of inputs, including DisplayPort, unrivaled control and communication options and enhanced video wall capabilities.



- **Thermal protection** starts with an extra thermal layer on the display panel to diffuse heat followed by fan-based technology specially designed to work in both landscape and portrait modes and be controlled locally or remotely. Internal temperature sensors control self-protective circuits, while special self-diagnostics communicate the status of the thermal characteristics.
- **Sealed panel design** provides protection in less than optimal environments, while protecting against particles like dust, grease, or steam from getting behind the glass and damaging the unit.
- **Enhanced video wall capabilities** allow you to expand your messaging options. Technologies include:
  - **TileMatrix™** allows you to create video walls (up to 100 displays in a 10x10 matrix)
  - **TileComp™** works in tandem with TileMatrix to compensate for the bezel width and create a more seamless video wall
  - **Copy function** allows the user to apply the settings from one display to all others in the RS-232 daisy chain, reducing setup time and saving money
  - **Individual and Group ID functions** allow users to control settings for a defined individual display or group of displays within a video wall
  - **Display Wall Calibrator Kit (optional)** provides a quick, accurate and easy-to-use means of matching all displays in color and brightness to create uniformity across the video wall
- **Eco-friendly features** include an ambient light sensor, which ensures consistent brightness no matter the lighting conditions, and a carbon footprinter meter, which helps track and calculate the conservation of green gas emissions
- **Built-in expansion slot** future-proofs your display investment, allowing for seamless integration of NEC and third-party components, including an HD-SDI card, single-board computer and DVI daisy chain capability.
- **Industry's most extensive control, diagnostic and communication** provide the highest level of remote display management. These include:
  - **RS-232** enables multi-display control and daisy chain, allowing for individual and group-addressable control, and simple, effective setup and monitoring of the display
  - **Ethernet connectivity** adds the same RS-232 control plus automatic email notification for diagnostic purposes
  - **NaViSet™ software** offers an intuitive graphical interface, allowing for easy adjustment of display settings via mouse and keyboard. NaViSet Administrator provides all the advanced control to remotely located IT professionals.
  - **DDC/CI standard** allows for PC control of the display based on the VESA command set
- **Improved input options** include quick input change, customized detection and naming
- **Real-time clock/round-the-clock scheduling** allows for advanced scheduling of monitor powering up/down
- **CableComp+™** uses a digitized signal delay circuit to automatically compensate for each red, green and blue cable's length and video signal delay, ensuring sharp image reproduction despite long cables and low output level
- **Built-in tuner** delivers high-definition broadcasting capabilities (-AVT models)

# Specifications for P401/P461/P701

MODEL	P401	P461	P701
<b>LCD MODULE</b>			
Viewable Size (Diagonal)	40"	46"	70"
Panel Technology	SPVA		
Native Resolution	1920 x 1080		
Pixel Pitch	0.46mm	0.53mm	0.81mm
Brightness (Typical/Maximum)	500 cd/m <sup>2</sup> / 650 cd/m <sup>2</sup>		
Contrast Ratio (Typical)	3000:1	4000:1	2000:1
Active Screen Area (W x H)	34.9 x 19.6 in. / 885.6 x 498.2mm	40.1 x 22.5 in. / 1018.1 x 572.7mm	61 x 34.3 in. / 1549 x 871.6mm
<b>CONNECTIVITY</b>			
<b>Input Terminals</b>			
RGB1 (Digital)	DVI-D		
RGB2 (Analog)	Analog 15-pin D-sub		
RGB3 (Analog)	5 BNC (RGBHV)		
RGB4 (Digital)	DisplayPort		
Video 1	Composite (Shared RCA and BNC)		
Video 2	S-Video		
Video 3	HDMI		
Component Video 1 (DVD/HD)	Component BNC		
Audio	Audio 1 (MiniJack), Audio 2 and 3 Stereo (RCA), HDMI / Internal Speaker: None		
<b>Output Terminals</b>			
RGB	Yes		
Video	Yes		
Audio	Yes		
Audio Amplifier	15W Stereo		
External Control	RS-232 for multiple monitor control, Ethernet, IR, DDC/CI		
Digital Tuner	P401-AVT	P461-AVT	P701-AVT
<b>FEATURES</b>			
Additional Features	Thin bezel (P701-standard bezel), advanced thermal capabilities, sealed professional panel, expansion slot, Ethernet Control and Communication, CableComp+, TileMatrix (10x10), TileComp, programmable lookup tables, Plug and Play (DDC/CI, DDC2B), PIP (remote), POP, 6-axis color adjustment, multi-level programmable zoom, scheduler (w/ RTC), sharpness/softness, off-timer (countdown), screen saver, vacation switch, 10-bit gamma, AutoBright (signal input), Windows Vista-certified, IR, portrait-capable, metal rear cabinet, handles, touch- and protective screen-ready, ambient light sensor, carbon footprint meter, color temperature adjustment (2600-10,000K)		
<b>POWER</b>			
Power Requirements	AC 100-120V / AC 220-240V @50/60 Hz		
Power Consumption (Typical)	175W	210W	600W
Power Consumption (Standby Mode)	< 1W		
<b>PHYSICAL SPECIFICATIONS</b>			
Bezel Width (L/R, T/B)	0.61 in. / 0.61 in. , 15.5mm / 15.5mm	0.65 in. / 0.65 in. , 16.5mm / 16.5mm	2.5 in. / 2.5 in. , 62.4mm / 63.4mm
Dimensions (without stand; WxHxD)	36.2 x 21 x 5.5 in. / 919.7 x 532.2 x 140mm	41.6 x 24 x 5.5 in. / 1055.4 x 608.6 x 140mm	66.1 x 39.5 x 7.8 in. / 1680 x 1004 x 198mm
Packaging Dimensions (WxHxD)	42.3 x 26.9 x 11.8 in. / 1074 x 682 x 300mm	46.5 x 30.8 x 11.8 in. / 1180 x 782 x 300mm	78 x 49.6 x 22 in. / 1980 x 1260 x 560mm
Net Weight (without stand)	52.9 lbs. / 24 kg	63.9 lbs. / 29 kg	211.6 lbs. / 96 kg
Gross Weight (with box)	66.1 lbs. / 30 kg	79.4 lbs. / 36 kg	253.5 lbs. / 115 kg
VESA Hole Configuration	300 x 300mm (4 hole)		400 x 400mm (4 hole)
<b>ENVIRONMENTAL CONDITIONS</b>			
Operating Temperature	5-40°C / 41-104°F		
Operating Humidity	20-80%		
<b>ACCESSORIES</b>			
Included	Power cord, 15-pin D-sub cable, setup sheet, wireless remote control, batteries, main switch cover, CD-ROM (user manual), clamp (3), screw (9), thumbscrew for optional stand (2)		Power cord, 15-pin D-sub cable, setup sheet, wireless remote control, batteries, main switch cover, CD-ROM (user manual), clamp, screw, eyebolt (2), washer (2)
Optional			
NEC	Tilt wall mount kit (WMK3260-L), stand (ST-4020/ST-4620), Digital Signage Kit (DSK3260), speakers (SP-P4046), internal HD-SDI card (SB-L007KK), DVI daisychain (SB-L008WU), single board computer (MPD-SBC-8/16-2), DisplayWall Calibrator Kit (KT-46UN-CC), SpectraView <sub>II</sub> Color Calibration Kit (SVII-PRO-KIT)		Stand (ST-701), digital signage kit (DSK3260), display wall calibrator kit (KT-46UN-CC), SpectraView, color calibration kit (SVII-PRO-KIT), NEC single board computer (MPD-SBC-8), NEC internal DVI daisy chain (SB-L008WU), NEC internal HD/SDI card (SB-L007KK)
Third Party	Tuff single board computer (DMD-80HD-NEC, APE-20HD-NEC, DPE-80HD-NEC), Magenta CAT5 receiver (NEC600), Minicom CAT5 receiver (0V55101NEC)		Chief wall mount kit (XSMU), Peerless universal wall mounts (SF670; ST670 [tilt]), Tuff single board computer (DMD-80HD-NEC, APE-20HD-NEC, DPE-80HD-NEC), Magenta CAT5 receiver (NEC600), Minicom CAT5 receiver (0V55101NEC)
<b>WARRANTY/SERVICE</b>			
On-Site Limited Warranty	3 years parts and labor, including backlight		



MultiSync is a registered trademark, and CableComp+, NaViSet, SpectraView<sub>II</sub>, TileComp and TileMatrix are trademarks of NEC Display Solutions. All other brand or product names are trademarks or registered trademarks of their respective holders. Product specifications subject to change. 1/10 ver. 4.

©2010 NEC Display Solutions of America, Inc. All rights reserved.

**NEC Display Solutions**  
 500 Park Boulevard, Suite 1100  
 Itasca, IL 60143  
 866-NEC-MORE

**NEC**