

# NEC S Series

40", 46" & 52" business-grade LCD displays  
ideal for corporate and digital signage applications

**Head-turning display technology.** The NEC S Series, featuring the 40" S401, 46" S461 and 52" S521, touts full high-definition screens and is ideal for those looking for professional-level digital signage displays at a lower cost. The series is highlighted by an industrial-strength design, broad connectivity, wide display control and the Enhanced Digital Signage Technology Suite (DSTS), which boasts more than 30 advanced features. These displays deliver stunning visual impact for environments such as corporate boardrooms, rental and staging, quick-service restaurants, airports, healthcare and retail.



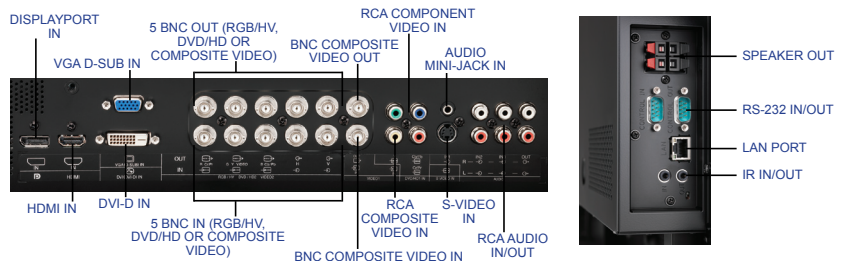
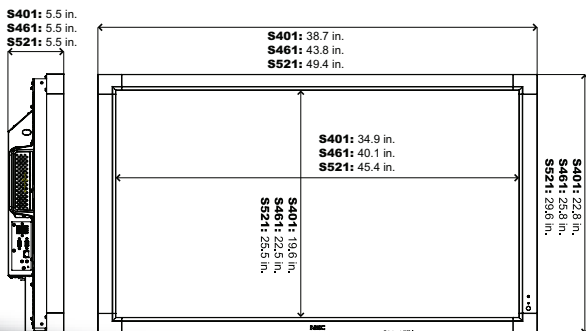
- ❑ **Cooling capabilities** start with a fan-based technology specially designed to work in both landscape and portrait modes and be controlled locally or remotely. Internal temperature sensors control self-protective circuits, while special self-diagnostics communicate the status of the thermal characteristics.
- ❑ **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 footprint 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.
- ❑ **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)
- ❑ **ENERGY STAR 5.0** is proudly offered for all S Series displays, which meet strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and the U.S. Department of Energy, helping you save money and reduce greenhouse gas emissions

\* use under the environmental conditions noted in the specifications and user's manual

# Specifications for S401/S461/S521

MODEL	S401	S461	S521
<b>LCD MODULE</b>			
Viewable Size (Diagonal)	40"	46"	52"
Panel Technology	SPVA		
Native Resolution	1920 x 1080		
Pixel Pitch	0.46mm	0.53mm	0.60mm
Brightness (Typical)	450 cd/m <sup>2</sup>		500 cd/m <sup>2</sup>
Contrast Ratio (Typical)	4000:1		3000:1
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	45.4 x 25.5 in. / 1152 x 648mm
<b>CONNECTIVITY</b>			
Input Terminals			
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		
Output Terminals			
RGB	Yes		
Video	Yes		
Audio	Yes		
Audio Amplifier	15W Stereo		
External Control	RS-232 for multiple monitor control, Ethernet, IR, DDC/CI		
Digital Tuner	S401-AVT	S461-AVT	S521-AVT
<b>FEATURES</b>			
Additional Features	Advanced cooling system, 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	3.5A@100-120V / 1.45A@220-240V	3.9A@100-120V / 1.6A@220-240V	4.9A@100-120V / 2.0A@220-240V
Power Consumption (Typical)	175W	210W	290W
Power Consumption (Standby Mode)	< 1W		
<b>PHYSICAL SPECIFICATIONS</b>			
Bezel Width (L/R, T/B)	1.8 in. / 1.5 in. , 46.6mm / 39.3mm	1.8 in. / 1.6 in. , 45.7mm / 40.1mm	2 in. / 2 in. , 50mm / 50mm
Dimensions (without stand; WxHxD)	38.7 x 22.8 x 5.5 in. / 981.8 x 579.8 x 140mm	43.8 x 25.8 x 5.5 in. / 1112.8 x 655.8 x 140mm	49.4 x 29.6 x 5.5 in. / 1256 x 752 x 140mm
Packaging Dimensions (WxHxD)	44.7 x 28.7 x 11.8 in. / 1136 x 730 x 300mm	48.7 x 32.6 x 11.8 in. / 1237 x 829 x 300mm	60.5 x 37.1 x 13.1 in. / 1537 x 942 x 334mm
Net Weight (without stand)	52.5 lbs. / 23.8 kg	61.7 lbs. / 28 kg	79.4 lbs. / 36 kg
Gross Weight (with box)	68.1 lbs. / 30.9 kg	78.7 lbs. / 35.7 kg	103.6 lbs. / 47 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, cable cover, CD-ROM (user manual)		
Optional			
NEC	Tilt wall mount kit (WMK3257), stand (ST-4020), speakers (SP-S4046), Internal HD-SDI card (SB-L007KK), DVI daisychain (SB-L008WU), Display Wall Calibrator Kit (KT-46UN-CC), SpectraView, Color Calibration Kit (SVII-PRO-KIT), Digital IP tuner (MPD-DT)	Tilt wall mount kit (WMK3257), stand (ST-4620), speakers (SP-S4046), Internal HD-SDI card (SB-L007KK), DVI daisychain (SB-L008WU), Display Wall Calibrator Kit (KT-46UN-CC), SpectraView, Color Calibration Kit (SVII-PRO-KIT), Digital IP tuner (MPD-DT)	Tilt wall mount kit (WMK3257), stand (ST-5220), speakers (SP-PS52), Internal HD-SDI card (SB-L007KK), DVI daisychain (SB-L008WU), Display Wall Calibrator Kit (KT-46UN-CC), SpectraView, Color Calibration Kit (SVII-PRO-KIT), Digital IP tuner (MPD-DT)
Third Party	TTUFF media player (DMD-80HD-NEC), TTUFF single board computer (APE-20HD-NEC; DPE-80HD-NEC), Magenta CAT5 receiver (NEC600), Minicom CAT5 receiver (360 ft.: 0VSS1010NEC; 1000 ft.: 0VSS1001NEC)		
<b>WARRANTY/SERVICE</b>			
Limited Warranty*	3 years parts and labor, including backlight		

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



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**NEC Display Solutions**

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

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