NEC MultiSync® Professional Series

40" & 46" professional-grade, full high-definition LCD displays ideal for digital signage applications
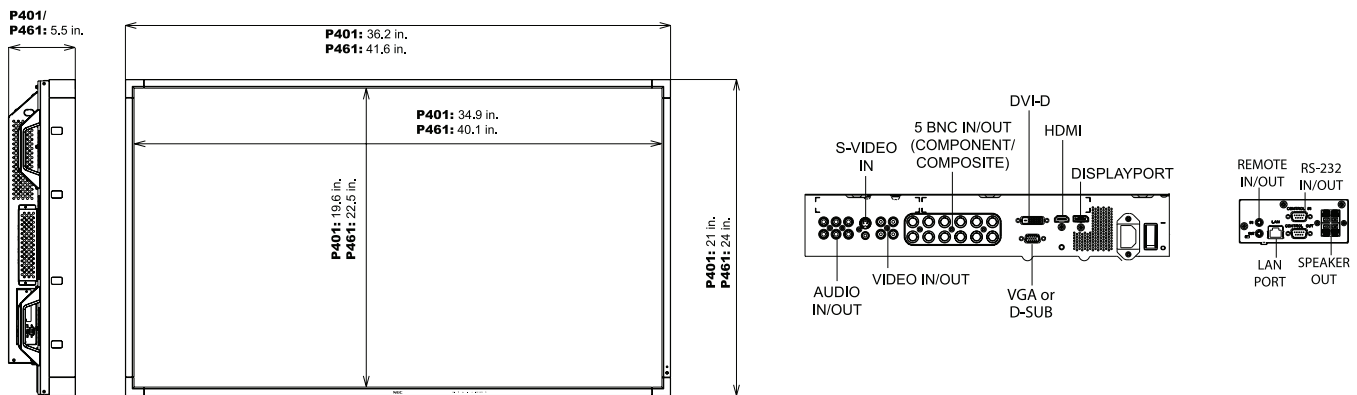
Expand your messaging options with superior screen performance. The NEC MultiSync Professional Series, featuring the 40" P401 and 46" P461, provides a first-class solution for your digital signage applications. Its high contrast, industrial-strength design and Enhanced Digital Signage Technology Suite (DSTS), which boasts more than 30 advanced features, make these displays ideal for 24/7 operation in even the most harsh environments. These include quick-service restaurants, airports, public information, healthcare, retail and other areas that require a combination of dazzling images and the highest level of display management. 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

¤ **P401-AVT and P461-AVT** feature a built-in tuner for high-definition broadcasting capabilities

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Specifications for P401/P461

MODEL	P401	P461
LCD MODULE		
Viewable Size (Diagonal)	40"	46"
Panel Technology	SPVA	
Native Resolution	1920 x 1080	
Pixel Pitch	0.46mm	0.53mm
Brightness (Typical/Maximum)	500 cd/m² / 650 cd/m²	
Contrast Ratio (Typical)	3000:1	4000:1
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
CONNECTIVITY		
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	
External Control	RS-232 for multiple monitor control, Ethernet, IR, DDC/CI	
Audio Amplifier	15W Stereo	
FEATURES		
Additional Features	Thin bezel, advanced thermal capabilities, sealed professional panel, expansion slot, Ethernet Control and Communication, CableComp+, TileMatrix (10x10), Tile-Comp, 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)	
POWER		
Power Requirements	AC 100-120V / AC 220-240V@50/60 Hz	
Power Consumption (Typical)	175W	210W
Power Consumption - Standby Mode	< 1W	
PHYSICAL SPECIFICATIONS		
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
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
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
Net Weight (without stand)	52.9 lbs. / 24 kg	63.9 lbs. / 29 kg
Gross Weight (with box)	66.1 lbs. / 30 kg	79.4 lbs. / 36 kg
VESA Hole Configuration	300 x 300mm (4 hole)	
ENVIRONMENTAL CONDITIONS		
Operating Temperature	5-40°C / 41-104°F	
Operating Humidity	20-80%	
ACCESSORIES		
Included	Power cord, 15-pin D-sub cable, setup sheet, wireless remote control, batteries, main switch cover, CD-ROM (user manual)	
Optional	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₍ᵢᵢ₎ Color Calibration Kit (SVII-PRO-KIT)	
WARRANTY/SERVICE		
On-Site Limited Warranty	3 years parts and labor, including backlight	

P401/P461: 5.5 in.

P401: 36.2 in.
P461: 41.6 in.

P401: 34.9 in.
P461: 40.1 in.

P401: 19.6 in.
P461: 22.5 in.

P401: 21 in.
P461: 24 in.

DVI-D
5 BNC IN/OUT (COMPONENT/COMPOSITE)
HDMI
S-VIDEO IN
DISPLAYPORT
REMOTE IN/OUT
RS-232 IN/OUT
AUDIO IN/OUT
VIDEO IN/OUT
VGA or D-SUB
LAN PORT
SPEAKER OUT

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