

# NEC E Series

32", 42", 46" & 55" commercial-grade LCD displays ideal for corporate and digital signage applications

**Simplified control meets feature-rich affordability.** The NEC E Series, featuring the 32" E322, 42" E422, 46" E462 and 55" E552, brings corporate and digital signage users the professional performance and looks of the latest large-screen displays in a flexible and affordable solution. These models deliver value-driven options for educational institutions, lobbies, boardrooms and small conference rooms, while addressing the display needs of digital signage users in retail stores, waiting rooms and health clubs.

**Display management has never been easier.** RS-232C functions allow you to control E Series displays from external equipment such as PCs or AV control systems. This feature enables control and synchronization of multiple displays as well as management of individual display's external buttons.

**Experience high-definition brilliance.** Whether you're using E Series displays to run digital signage messaging or music videos for the treadmill crowd, their screen performance will leave no head unturned. A remarkable 1920 x 1080 resolution, up to 500 cd/m<sup>2</sup> brightness and up to 5000:1 contrast ratio add amazing detail to video, images and text, while the integrated HD tuner makes high-definition sports and network programs jump off the screen with out-of-this-world clarity.



- ❑ **High-definition resolution (up to 1920 x 1080)** provides stunning detail for video and broadcast applications
- ❑ **High static contrast ratio (up to 5000:1)** helps create eye-catching images and crisp, easy-to-read text
- ❑ **Integrated USB media player** allows for effortless playback of photos and music
- ❑ **Low power consumption** contributes to a lower total cost of ownership
- ❑ **Extensive connectivity** with multiple HDMI input terminals (supports PC resolutions), analog RGB, component and composite video
- ❑ **Built-in NTSC/ATSC (8-VSB, Clear-QAM) analog/digital tuner** allows for high-definition broadcast capabilities
- ❑ **Integrated RS-232C** allows for external control of the display
- ❑ **Built-in, low-profile stereo speakers** enhance the experience with superior sound
- ❑ **Built-in swivel stand** expands your viewing options and detaches for wall mount applications
- ❑ **Multiple picture modes** adjust the picture appearance for an optimal viewing experience
- ❑ **Advanced video settings** ensure source material is displayed properly and accurately
- ❑ **Backlight adjust** allows users to customize the backlight strength, enabling longer display life and lower power consumption
- ❑ **Parental control (V-Chip function)** allows users to block programs based on rating category
- ❑ **Built-in closed captioning** enables hearing-impaired users to display text information in various supported languages based on the ATSC tuner program
- ❑ **Controllable closed captioning for analog and digital signals** allows the user to manipulate the size, font, color, opacity, background color and edge effect
- ❑ **Variable transparency settings and multiple menu language choices (English, French, Spanish)** provide flexibility in adjusting OSD settings
- ❑ **Variable time zone settings** allows users to adjust the time on their display by time zone and includes a built-in daylight savings mode
- ❑ **Control settings** allow users to block unrated TV, and set USA and Canadian parental locks
- ❑ **Channel band selection** provides enhanced "over the air" and cable signal tuning

## Specifications for E322/E422/E462/E552

MODEL	E322	E422	E462	E552
<b>LCD MODULE</b>				
Viewable Size (Diagonal)	32"	42"	46"	55"
Panel Technology	PVA			
Native Resolution	1366 x 768		1920 x 1080	
Pixel Pitch	0.51mm	0.48mm	0.53mm	0.63mm
Brightness (Typical)	450 cd/m <sup>2</sup>	400 cd/m <sup>2</sup>	450 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>
Contrast Ratio (Typical)	3000:1	4000:1	5000:1	
Active Screen Area (W x H)	27.5 x 15.4 in. / 697.7 x 392.2mm	36.6 x 20.6 in. / 930.3 x 523.3mm	40.1 x 22.5 in. / 1018 x 572.7mm	47.6 x 26.8 in. / 1209.6 x 680.4mm
<b>CONNECTIVITY</b>				
<b>Input Terminals</b>				
Digital	HDMI x 3			
Analog	VGA 15-pin D-sub, RCA Composite, RCA (Y, Cb/Pb, Cr/Pr) Component			
Audio	RCA Audio x2, Audio Mini-Jack			
External Control	RS-232C			
Tuner	Integrated NTSC/ATSC (8-VSP, Clear QAM)			
Service Port	USB (Also a Media Viewer)			
<b>Output Terminals</b>				
Digital	NA			
Analog	NA			
Audio	Optical Digital Audio, Headphone Mini-Jack			
External Control	NA			
Audio Amplifier	5W Stereo	10W Stereo		
<b>FEATURES</b>				
Additional Features	Variable picture modes (Standard, Movie, Power Saver, User, Sports), Advanced Video/Audio Settings, Sleep Timer, Built-In Closed Captioning, Parental Control (V-Chip Function), USB Media Viewer, Power Management			
<b>POWER</b>				
Power Requirements	1.3A@100-120V AC; 0.6A@220-240V AC	2A@100-120V AC; 0.8A@220-240V AC	3A@100-120V AC; 1.4A@220-240V AC	3.5A@100-120V AC; 1.6A@220-240V AC
Power Consumption (Typical)	105W	180W	188W	365W
Power Consumption - Standby Mode	< 1W			
<b>PHYSICAL SPECIFICATIONS</b>				
Bezel Width (L/R, T/B)	1.5 in./1.5 in., 1.5 in./2.9 in. ; 38mm/38mm, 38mm/74mm	1.5 in./1.5 in., 1.5 in./3.3 in. ; 38mm/38mm, 38mm/84.9mm	1.6 in./1.6 in., 1.6 in./3.3 in. ; 41mm/41mm, 41mm/84.9mm	1.9 in./1.9 in., 1.9 in./4 in. ; 48mm/48mm, 48mm/102mm
Dimensions (without stand; WxHxD)	30.7 x 20 x 3.2 in. / 779.8 x 508 x 80.1mm	39.8 x 25.6 x 3.6 in. / 1010.9 x 650.2 x 91.4mm	43.5 x 27.6 x 3.7 in. / 1104.9 x 701 x 94mm	51.5 x 32.9 x 4.6 in. / 1308.1 x 835.6 x 116.8mm
Dimensions (with stand; WxHxD)	30.8 x 22 x 8.3 in. / 782.5 x 558.5 x 210.7mm	39.7 x 27.1 x 10.4 in. / 1009.5 x 688.1 x 264.7mm	44.4 x 32.4 x 12.2 in. / 1127.8 x 823 x 309.9mm	51.5 x 34.8 x 12.2 in. / 1308.1 x 934.7 x 309.9mm
Packaging Dimensions (WxHxD)	35.4 x 27.2 x 8.1 in. / 900 x 690 x 205mm	45.5 x 31.8 x 9.8 in. / 1156 x 808 x 250mm	49.8 x 36.6 x 11 in. / 1266 x 931 x 280mm	57.9 x 41.4 x 11 in. / 1470 x 1051 x 280mm
Net Weight (without stand)	19.8 lbs. / 9 kg	35.3 lbs. / 16 kg	44.1 lbs. / 20 kg	70.6 lbs. / 32.1 kg
Net Weight (with stand)	24.3 lbs. / 11 kg	43 lbs. / 19.5 kg	52.9 lbs. / 24.1 kg	81.6 lbs. / 37.1 kg
Gross Weight (with box)	31.9 lbs. / 15 kg	51.7 lbs. / 25 kg	69 lbs. / 31.3 kg	99.2 lbs. / 45 kg
VESA Hole Configuration	200 x 200mm (4 hole)		400 x 200mm (4 hole)	
<b>ENVIRONMENTAL CONDITIONS</b>				
Operating Temperature	32-104°F / 0-40°C			
Operating Humidity	10-85%			
<b>ACCESSORIES</b>				
Included	Power cord, VGA cable (15-pin D-sub), wireless remote control, batteries, CD-ROM (user manual), stand, thumbscrews			
Optional	External Single Board Computer (TNETPC-ION), Wall Mount Kit (WMK-3257), Accessory pack for Wall Mount Kit (MIS513)			
<b>WARRANTY/SERVICE</b>				
Limited Warranty	3 years parts and labor, including backlight			



For times when the remote is not available, full display controls are conveniently situated on the side of the bezel, allowing you to change channels, adjust the volume and access the on-screen display manager.