

# NEC AccuSync™ LCD Series

Flat-panel monitors ideal for home users, small-to-medium businesses and educational settings



Digital and multimedia models available

**High-end LCD monitors don't necessarily have to be associated with high-end prices.** As flat-panel display technology advances and becomes more mainstream, pricing continues to drop, making LCD monitors increasingly affordable for a variety of users. NEC AccuSync LCD Series monitors have set a new standard in value for this product category. In fact, with affordability akin to that of comparable CRT monitors, AccuSync LCD Series monitors offer you a perfect opportunity to take advantage of the many benefits offered by flat-panel monitors without having to break your budget. The 15" NEC AccuSync LCD52V, 17" NEC AccuSync LCD72VX and 19" NEC AccuSync LCD92VX deliver ideal visual display solutions to small-to-medium-sized businesses and educational environments, as well as general home users, whether you're creating presentations, surfing the Internet or playing your favorite video game. The 15" NEC AccuSync LCD52VM, 17" NEC AccuSync LCD72VXM and 19" NEC AccuSync LCD92VXM, which boast integrated, front-firing speakers, further expand your application possibilities with their high-quality multimedia capabilities.

**Enhanced screen performance.** With contrast ratios as high as 500:1 (typical) and brightness quality much higher than CRTs at 250 cd/m<sup>2</sup>, outstanding LCD monitor front-of-screen visual performance is NEC's #1 goal. The AccuSync LCD Series delivers vibrant colors and flicker-free images that make your time in front of the monitor more comfortable and productive. NEC's Rapid Response™ technology provides for uninterrupted display of full-motion video with response times as quick as 12ms. This remarkably quick motion makes these models better than ever for gaming and video applications such as presentations and streaming web video.

**Wide compatibility for today and tomorrow.** With Ambix® dual-input technology—which utilizes both DVI-D and traditional 15-pin VGA connectors—you can bridge the gap between analog and digital systems by allowing the same monitor to work seamlessly in either environment. Featured on the AccuSync LCD72VX, LCD72VXM, LCD92VX and LCD92VXM, Ambix provides compatibility with today's computer systems and is on the forefront of tomorrow's digital output.

**Intelligent power management ensures a smart investment.** Using approximately 70% less power and emitting less heat than comparable CRT monitors, AccuSync LCD Series monitors allow you to conserve energy and lower your total cost of ownership.

## Series Features and Benefits

**Exceptional screen performance** provides a more comfortable and productive visual experience with crisp, sharp and accurate text and images

**Rapid Response technology** delivers virtually uninterrupted, undistorted viewing of high-speed, full-motion video

**Ambix dual-input technology** allows for digital/analog compatibility with upgraded video cards and software as well as connection to two systems (LCD72VX, LCD72VXM, LCD92VX, LCD92VXM)

**Enhanced cable management** helps prevent unattractive, space-consuming wire clutter

**Built-in, front-firing multimedia speakers** provide quality sound (LCD52VM, LCD72VXM, LCD92VXM)

**Touch or protective glass integration-enabling design** increases application options

**Cabinet color options** of white or black allow coordination with various systems, laptops or work environments (except LCD72VXM and LCD92VXM)

**On Screen Manager (OSM®)** puts you in complete control of your screen setting adjustments

**No Touch Auto Adjust™** reduces setup time and provides optimal image settings upon initial power-on

**NaViSet™ software** offers an expanded and intuitive interface, allowing you to more easily adjust display settings via mouse and keyboard

**Wall/arm mounting capability** adds flexibility and comfort, while freeing up valuable desktop space (using third-party product)

**RoHS compliance** ensures the displays are free of lead, hex-chrome, cadmium, PBDE and PBB, with reduced mercury

**ENERGY STAR 4.0 compliance/low power consumption** reduces electrical costs and lowers total cost of ownership

**NEC Display Solutions' quality and reliability** provide peace of mind with a 3-year limited parts and labor warranty (including backlight) and 24/7 customer service and technical support

## AccuSync LCD Series Specifications

Model	AccuSync LCD52V	AccuSync LCD52VM	AccuSync LCD72VX	AccuSync LCD72VXM	AccuSync LCD92VX	AccuSync LCD92VXM
<b>Display:</b> Viewable Image Size Pixel Pitch Pixels Per Inch Brightness (typical) Contrast Ratio (typical) Viewing Angle (typical) Response Time (typical) Display Colors	15" 0.297mm 86 @ native resolution 250 cd/m <sup>2</sup> 400:1 110° Vert., 140° Hor. (55U/55D/70L/70R) Rapid Response (25ms) More than 16 million	15" 0.297mm 86 @ native resolution 250 cd/m <sup>2</sup> 400:1 110° Vert., 140° Hor. (55U/55D/70L/70R) Rapid Response (25ms) More than 16 million	17" 0.264mm 96 @ native resolution 250 cd/m <sup>2</sup> 450:1 145° Vert., 160° Hor. (75U/70D/80L/80R) Rapid Response (12ms) More than 16 million	17" 0.264mm 96 @ native resolution 250 cd/m <sup>2</sup> 450:1 145° Vert., 160° Hor. (75U/70D/80L/80R) Rapid Response (12ms) More than 16 million	19" 0.294mm 86 @ native resolution 250 cd/m <sup>2</sup> 500:1 145° Vert., 160° Hor. (75U/70D/80L/80R) Rapid Response (12ms) More than 16 million	19" 0.294mm 86 @ native resolution 250 cd/m <sup>2</sup> 500:1 145° Vert., 160° Hor. (75U/70D/80L/80R) Rapid Response (12ms) More than 16 million
<b>Synchronization Range:</b> Horizontal Vertical	31.5-60 kHz 56-75 Hz	31.5-60 kHz 56-75 Hz	31.5-81.1 kHz (Analog/Digital) 56-76 Hz	31.5-81.1 kHz (Analog/Digital) 56-76 Hz	31.5-81.1 kHz (Analog/Digital) 56-76 Hz	31.5-81.1 kHz (Analog/Digital) 56-76 Hz
<b>Input Signal:</b> Video Sync	Analog 0.7 Vp-p/75 Ohms Separate Sync: TTL Level (positive/negative)	Analog 0.7 Vp-p/75 Ohms Separate Sync: TTL Level (positive/negative)	Analog 0.7 Vp-p/75 Ohms Separate Sync: TTL Level (positive/negative)	Analog 0.7 Vp-p/75 Ohms Separate Sync: TTL Level (positive/negative)	Analog 0.7 Vp-p/75 Ohms Separate Sync: TTL Level (positive/negative)	Analog 0.7 Vp-p/75 Ohms Separate Sync: TTL Level (positive/negative)
<b>Input</b>	VGA 15 pin D-sub	VGA 15 pin D-sub	DVI-D and VGA 15 pin D-sub	DVI-D and VGA 15 pin D-sub	DVI-D and 15 pin D-sub	DVI-D and 15 pin D-sub
<b>Resolutions Supported</b>	720 x 400 @ 70 Hz 640 x 480 @ 60-75 Hz 800 x 600 @ 56-75 Hz 832 x 624 @ 75 Hz 1024 x 768 @ 60-75 Hz	720 x 400 @ 70 Hz 640 x 480 @ 60-75 Hz 800 x 600 @ 56-75 Hz 832 x 624 @ 75 Hz 1024 x 768 @ 60-75 Hz	720 x 400 @ 70 Hz 640 x 480 @ 60-75 Hz 800 x 600 @ 56-75 Hz 832 x 624 @ 75 Hz 1024 x 768 @ 60-75 Hz 1152 x 864 @ 70-75 Hz 1152 x 870 @ 75 Hz 1280 x 960 @ 60-75 Hz 1280 x 1024 @ 60-75 Hz	720 x 400 @ 70 Hz 640 x 480 @ 60-75 Hz 800 x 600 @ 56-75 Hz 832 x 624 @ 75 Hz 1024 x 768 @ 60-75 Hz 1152 x 864 @ 70-75 Hz 1152 x 870 @ 75 Hz 1280 x 960 @ 60-75 Hz 1280 x 1024 @ 60-75 Hz	720 x 400 @ 70 Hz 640 x 480 @ 60-75 Hz 800 x 600 @ 56-75 Hz 832 x 624 @ 75 Hz 1024 x 768 @ 60-75 Hz 1152 x 864 @ 70-75 Hz 1152 x 870 @ 75 Hz 1280 x 960 @ 60-75 Hz 1280 x 1024 @ 60-75 Hz	720 x 400 @ 70 Hz 640 x 480 @ 60-75 Hz 800 x 600 @ 56-75 Hz 832 x 624 @ 75 Hz 1024 x 768 @ 60-75 Hz 1152 x 864 @ 70-75 Hz 1152 x 870 @ 75 Hz 1280 x 960 @ 60-75 Hz 1280 x 1024 @ 60-75 Hz
<b>Native Resolution</b>	1024 x 768 @ 75 Hz	1024 x 768 @ 75 Hz	1280 x 1024 @ 60 Hz	1280 x 1024 @ 60 Hz	1280 x 1024 @ 60 Hz	1280 x 1024 @ 60 Hz
<b>Additional Features</b>	Thin-frame (bezel), tilt, No Touch Auto Adjust, cable management, touchscreen-compatible, NaViSet software, digital smoothing, digital controls, user (OSM) controls, Plug and Play (VESA DDC & 2Bi), AccuColor color control, DDC/CI, VESA DPMS power management, ISO 13406-2 Class II	Integrated speakers, thin-frame (bezel), tilt, No Touch Auto Adjust, cable management, touchscreen-compatible, NaViSet software, digital smoothing, digital controls, user (OSM) controls, Plug and Play (VESA DDC 1/2B), AccuColor color control, DDC/CI, VESA DPMS power management, ISO 13406-2 Class II	Thin-frame (bezel), tilt, No Touch Auto Adjust, cable management, touchscreen-compatible, NaViSet software, digital smoothing, digital controls, user (OSM) controls, Plug and Play (VESA DDC 1/2B), AccuColor color control, DDC/CI, VESA DPMS power management, ISO 13406-2 Class II	Integrated speakers, thin-frame (bezel), tilt, No Touch Auto Adjust, cable management, touchscreen-compatible, NaViSet software, digital smoothing, digital controls, user (OSM) controls, Plug and Play (VESA DDC 1/2B), AccuColor color control, DDC/CI, VESA DPMS power management, ISO 13406-2 Class II	Thin-frame (bezel), tilt, No Touch Auto Adjust, cable management, touchscreen-compatible, NaViSet software, digital smoothing, digital controls, user (OSM) controls, Plug and Play (VESA DDC 1/2B), AccuColor color control, DDC/CI, VESA DPMS power management, ISO 13406-2 Class II	Integrated speakers, thin-frame (bezel), tilt, No Touch Auto Adjust, cable management, touchscreen-compatible, NaViSet software, digital smoothing, digital controls, user (OSM) controls, Plug and Play (VESA DDC 1/2B), AccuColor color control, DDC/CI, VESA DPMS power management, ISO 13406-2 Class II
<b>Touch-Capable</b>	Designed for integration	Designed for integration	Designed for integration	Designed for integration	Designed for integration	Designed for integration
<b>Voltage Rating</b>	100-240V @ 50/60 Hz	100-240V @ 50/60 Hz	AC 100-120V/AC 220-240V	AC 100-120V/AC 220-240V	100-240V @ 50/60Hz	100-240V @ 50/60Hz
<b>Power Consumption (typical):</b> On Power Savings Mode	21W <2W	23W <2W	30W <2W	34W <2W	37W <2W	40W <2W
<b>Dimensions (W x H x D):</b> Net (with stand) Net (without stand)	13.6 x 13.9 x 6.5 in./ 344.6 x 352.7 x 165mm 13.6 x 11.2 x 2.3 in./ 344.6 x 285 x 57.5mm	13.6 x 13.9 x 6.5 in./ 344.6 x 352.7 x 165mm 13.6 x 11.2 x 2.3 in./ 344.6 x 285 x 57.5mm	14.8 x 15.3 x 7.1 in./ 375.4 x 389 x 180mm 14.8 x 12.9 x 2.4 in./ 375.4 x 326.5 x 61mm	14.8 x 15.3 x 7.1 in./ 375.4 x 389 x 180mm 14.8 x 12.9 x 2.4 in./ 375.4 x 326.5 x 61mm	16.5 x 16.8 x 7.9 in./ 418 x 427.8 x 199.5mm 16.5 x 14.6 x 2.7 in./ 418 x 369.8 x 68mm	16.5 x 16.8 x 7.9 in./ 418 x 427.8 x 199.5mm 16.5 x 14.6 x 2.7 in./ 418 x 369.8 x 68mm
<b>Weight</b> Net (with stand) Net (without stand)	7.1 lbs./3.2 kg 6.2 lbs./2.8 kg	7.3 lbs./3.3 kg 6.4 lbs./2.9 kg	10.1 lbs./4.6 kg 9.3 lbs./4.2 kg	10.4 lbs./4.7 kg 9.5 lbs./4.3 kg	14.3 lbs./6.5 kg 12.1 lbs./5.5 kg	14.3 lbs./6.5 kg 12.1 lbs./5.5 kg
<b>VESA Hole Configuration Specifications</b>	75 x 75mm	75 x 75mm	100 x 100mm	100 x 100mm	100 x 100mm	100 x 100mm
<b>Environmental Conditions:</b> Operating Temperature Operating Humidity Operating Altitude Storage Temperature Storage Humidity Storage Altitude	5-35°C/41-95°F 10-80% 3048m/10,000 ft. -10-60°C/14-140°F 10-85% 12,142m/40,000 ft.	5-35°C/41-95°F 10-80% 3048m/10,000 ft. -10-60°C/14-140°F 10-85% 12,192m/40,000 ft.	5-35°C/41-95°F 10-80% 3048m/10,000 ft. -10-60°C/14-140°F 10-85% 12,192m/40,000 ft.	5-35°C/41-95°F 10-80% 3048m/10,000 ft. -10-60°C/14-140°F 10-85% 12,192m/40,000 ft.	5-35°C/41-95°F 10-80% 3048m/10,000 ft. -10-60°C/14-140°F 10-85% 12,192m/40,000 ft.	5-35°C/41-95°F 10-80% 3048m/10,000 ft. -10-60°C/14-140°F 10-85% 12,192m/40,000 ft.
<b>Limited Warranty</b>	3 years parts and labor, including backlight	3 years parts and labor, including backlight	3 years parts and labor, including backlight	3 years parts and labor, including backlight	3 years parts and labor, including backlight	3 years parts and labor, including backlight
<b>Technical Support</b>	24 hours/7 days	24 hours/7 days	24 hours/7 days	24 hours/7 days	24 hours/7 days	24 hours/7 days



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### NEC Display Solutions

500 Park Boulevard, Suite 1100  
Itasca, IL 60143  
866-NEC-MORE  
www.necdisplay.com

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