

NEC AccuSync™ LCD Series

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



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 and 17" NEC AccuSync LCD72VXM, 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/m², 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 and LCD92VX, 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)

Enhanced cable management helps prevent unattractive, space-consuming wire clutters

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

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)

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
Display:					
Viewable Image Size	15"	15"	17"	17"	19"
Pixel Pitch	0.297mm	0.297mm	0.264mm	0.264mm	0.294mm
Pixels Per Inch	86 @ native resolution	86 @ native resolution	96 @ native resolution	96 @ native resolution	86 @ native resolution
Brightness (typical)	250 cd/m ²	250 cd/m ²	250 cd/m ²	250 cd/m ²	250 cd/m ²
Contrast Ratio (typical)	400:1	400:1	450:1	450:1	500:1
Viewing Angle (typical)	110° Vert., 140° Hor. (55U/55D/70L/70R)	110° Vert., 140° Hor. (55U/55D/70L/70R)	145° Vert., 160° Hor. (75U/70D/80L/80R)	145° Vert., 160° Hor. (75U/70D/80L/80R)	145° Vert., 160° Hor. (75U/70D/80L/80R)
Response Time (typical)	Rapid Response (25ms)	Rapid Response (25ms)	Rapid Response (12ms)	Rapid Response (12ms)	Rapid Response (12ms)
Display Colors	More than 16 million	More than 16 million	More than 16 million	More than 16 million	More than 16 million
Synchronization Range:					
Horizontal	31.5-60 kHz	31.5-60 kHz	31.5-81.1 kHz (Analog/Digital)	31.5-81.1 kHz (Analog/Digital)	31.5-81.1 kHz (Analog/Digital)
Vertical	56-75 Hz	56-75 Hz	56-76 Hz	56-76 Hz	56-76 Hz
Input Signal:					
Video	Analog 0.7 Vp-p/75 Ohms	Analog 0.7 Vp-p/75 Ohms	Analog 0.7 Vp-p/75 Ohms	Analog 0.7 Vp-p/75 Ohms	Analog 0.7 Vp-p/75 Ohms
Sync	Separate Sync: TTL Level (positive/negative)	Separate Sync: TTL Level (positive/negative)	Separate Sync: TTL Level (positive/negative)	Separate Sync: TTL Level (positive/negative)	Separate Sync: TTL Level (positive/negative)
Input	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
Resolutions Supported	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
Native Resolution	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
Additional Features	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
Touch-Capable	Designed for integration	Designed for integration	Designed for integration	Designed for integration	Designed for integration
Voltage Rating	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
Power Consumption (typical):					
On	21W	23W	30W	34W	37W
Power Savings Mode	<2W	<2W	<2W	<2W	<2W
Dimensions (W x H x D):					
Net (with stand)	13.6 x 13.9 x 6.5 in./ 344.6 x 352.7 x 165mm	13.6 x 13.9 x 6.5 in./ 344.6 x 352.7 x 165mm	14.8 x 15.3 x 7.1 in./ 375.4 x 389 x 180mm	14.8 x 15.3 x 7.1 in./ 375.4 x 389 x 180mm	16.5 x 16.8 x 7.9 in./ 418 x 427.8 x 199.5mm
Net (without stand)	13.6 x 11.2 x 2.3 in./ 344.6 x 285 x 57.5mm	13.6 x 11.2 x 2.3 in./ 344.6 x 285 x 57.5mm	14.8 x 12.9 x 2.4 in./ 375.4 x 326.5 x 61mm	14.8 x 12.9 x 2.4 in./ 375.4 x 326.5 x 61mm	16.5 x 14.6 x 2.7 in./ 418 x 369.8 x 68mm
Weight					
Net (with stand)	7.1 lbs./3.2 kg	7.3 lbs./3.3 kg	10.1 lbs./4.6 kg	10.4 lbs./4.7 kg	14.3 lbs./6.5 kg
Net (without stand)	6.2 lbs./2.8 kg	6.4 lbs./2.9 kg	9.3 lbs./4.2 kg	9.5 lbs./4.3 kg	12.1 lbs./5.5 kg
VESA Hole Configuration Specifications	75 x 75mm	75 x 75mm	100 x 100mm	100 x 100mm	100 x 100mm
Environmental Conditions:					
Operating Temperature	5-35°C/41-95°F	5-35°C/41-95°F	5-35°C/41-95°F	5-35°C/41-95°F	5-35°C/41-95°F
Operating Humidity	10-80%	10-80%	10-80%	10-80%	10-80%
Operating Altitude	3048m/10,000 ft.	3048m/10,000 ft.	3048m/10,000 ft.	3048m/10,000 ft.	3048m/10,000 ft.
Storage Temperature	-10-60°C/14-140°F	-10-60°C/14-140°F	-10-60°C/14-140°F	-10-60°C/14-140°F	-10-60°C/14-140°F
Storage Humidity	10-85%	10-85%	10-85%	10-85%	10-85%
Storage Altitude	12,142m/40,000 ft.	12,192m/40,000 ft.	12,192m/40,000 ft.	12,192m/40,000 ft.	12,192m/40,000 ft.
Limited Warranty	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
Technical Support	24 hours/7 days	24 hours/7 days	24 hours/7 days	24 hours/7 days	24 hours/7 days



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