

NEC AccuSync™ Series

15" - 22" flat-panel monitors
ideal for small-to-medium businesses



High-quality LCD monitors don't necessarily have to be associated with high-end price tags.

NEC AccuSync Series monitors have set a new standard in value for the flat-panel monitor category, offering you a perfect opportunity to take advantage of the many benefits offered by the latest display technology without having to break your budget. The 15" NEC AccuSync LCD52V, 17" NEC AccuSync LCD73VX and 19" NEC AccuSync LCD93VX deliver ideal visual display solutions to small-to-medium-sized businesses and home office users. The 17" NEC AccuSync LCD73VXM and 19" NEC AccuSync LCD93VXM, which boast integrated, front-firing speakers, further expand your application possibilities with their high-quality multimedia capabilities. The widescreen 17" NEC AccuSync LCD174WXM, 19" NEC AccuSync LCD194WXM and 22" NEC AccuSync LCD224WXM not only tout speakers but provide a viewable area significantly larger than standard aspect ratio screens, allowing you to simultaneously work in multiple/side-by-side application windows.

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 all models (except the AccuSync LCD52V), Ambix provides compatibility with today's computer systems and is on the forefront of tomorrow's digital output.

Enhanced screen performance. With contrast ratios as high as 1000:1 (typical) and brightness quality up to 300 cd/m², outstanding LCD monitor front-of-screen visual performance is NEC's #1 goal. The AccuSync 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 5ms. This remarkably swift motion makes these models better than ever for video applications such as presentations and streaming web video.

Series Features and Benefits

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

Ambix dual-input technology allows for digital/analog compatibility with upgraded video cards and software as well as connection to two systems (all models except LCD52V)

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

Wide-format screen increases productivity by expanding your working area for multiple application windows (LCD174WXM, LCD194WXM, LCD224WXM)

Built-in multimedia speakers provide quality sound (LCD73VXM, LCD93VXM, LCD174WXM, LCD194WXM, LCD224WXM)

On Screen Display (OSD)® puts you in complete control of your screen setting adjustments

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

XtraView® provides for some of the widest viewing angles available (all models except LCD52V)

Eco-Mode helps extend the life of the display by allowing you to adjust the OSD, thereby conserving energy (all models except LCD52V)

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

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

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

Windows® Vista certification maximizes the monitor's resolution capabilities

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

Model	AccuSync LCD52V	AccuSync LCD73VX/ VXM*	AccuSync LCD174WXM	AccuSync LCD93VX/ VXM**	AccuSync LCD194WXM	AccuSync LCD224WXM
Display						
Viewable Image Size	15"	17"	17" widescreen	19"	19" widescreen	22" widescreen
Pixel Pitch	0.297mm	0.264mm	0.255mm	0.294	0.284	0.282
Pixels Per Inch	86 @ native resolution	88 @ native resolution	100 @ native resolution	80 @ native resolution	90 @ native resolution	90 @ native resolution
Brightness (typical)	250 cd/m ²	280 cd/m ²	250 cd/m ²	300 cd/m ²	300 cd/m ²	300 cd/m ²
Contrast Ratio (typical)	400:1	700:1	800:1	800:1	1000:1	900:1
Viewing Angle (typical)	110° Vert., 140° Hor. (55U/55D/70L/70R)	170° Vert., 170° Hor. (85U/85D/85L/85R)	170° Vert., 176° Hor. (85U/85D/88L/88R)	170° Vert., 170° Hor. (85U/85D/85L/85R)	176° Vert., 176° Hor. (88U/88D/88L/88R)	176° Vert., 176° Hor. (88U/88D/88L/88R)
Response Time (typical)	Rapid Response (16ms)	Rapid Response (5ms)	Rapid Response (8ms)	Rapid Response (5ms)	Rapid Response (5ms)	Rapid Response (5ms)
Display Colors	More than 16 million	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 (Analog)	31.5 - 81.1 KHz (Analog/Digital)	31.5 - 81.1 KHz (Analog/Digital)	31.5 - 81.1 KHz (Analog/Digital)	31.5 - 81.1 KHz (Analog/Digital)	31.5 - 81.1 KHz (Analog/Digital)
Vertical	56 - 76 Hz	56 - 76 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	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)	Separate Sync: TTL Level (Positive/Negative)
Inputs	VGA 15-pin D-sub	DVI-D and VGA 15-pin D-sub	DVI-D and VGA 15-pin D-sub	DVI-D and VGA 15-pin D-sub	DVI-D and VGA 15-pin D-sub	DVI-D and VGA 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 1152 x 864 @ 60-75 Hz 1152 x 870 @ 75 Hz 1280 x 960 @ 60 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 @ 60-75 Hz 1152 x 870 @ 75 Hz 1280 x 768 @ 60-75 Hz 1360 x 768 @ 60-75 Hz 1440 x 900 @ 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 @ 60-75 Hz 1152 x 870 @ 75 Hz 1280 x 768 @ 60 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 @ 60-75 Hz 1152 x 870 @ 75 Hz 1280 x 768 @ 60-75 Hz 1360 x 768 @ 60-75 Hz 1440 x 900 @ 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 @ 60-75 Hz 1152 x 870 @ 75 Hz 1280 x 768 @ 60-75 Hz 1280 x 960 @ 60-75 Hz 1280 x 1024 @ 60-75 Hz 1360 x 768 @ 60-75 Hz 1440 x 900 @ 60-75 Hz 1400 x 1050 @ 60-75 Hz 1680 x 1050 @ 60-75 Hz
Native Resolution	1024 x 768 @ 75 Hz	1280 x 1024 @ 60-75 Hz	1440 x 900 @ 60-75 Hz	1280 x 1024 @ 60-75 Hz	1440 x 900 @ 60-75 Hz	1680 x 1050 @ 60-75 Hz
Additional Features	Thin-frame (bezel), tilt, No Touch Auto Adjust, touch screen compatible, cable management, digital smoothing, digital controls, AccuColor color control, On Screen Display user controls, NaViSet software, DDC/CI, Plug and Play (VESA DDC2B), VESA DPMS power management, ISO 13406-2 Class II, Energy Star 4.0 Tier 2, RoHS compliant, WEEE compliant, Windows Vista certification	Thin-frame (bezel), tilt, No Touch Auto Adjust, cable management, Eco-Mode, color temperature mode, digital smoothing, digital controls, color control, On Screen Display user controls, NaViSet software, DDC/CI, Plug and Play (VESA DDC2B), VESA DPMS power management, ISO 13406-2 Class II, Energy Star 4.0 Tier 2, RoHS compliant, WEEE compliant, Windows Vista certification	Thin-frame (bezel), tilt, integrated speakers, headphone jack, No Touch Auto Adjust, cable management, digital smoothing, digital controls, AccuColor color control, sRGB, On Screen Display user controls, NaViSet software, DDC/CI, Plug and Play (VESA DDC2B), VESA DPMS power management, ISO 13406-2 Class II, Energy Star Tier 2, Windows Vista certification	Thin-frame (bezel), tilt, No Touch Auto Adjust, cable management, Eco-Mode, color temperature mode, digital smoothing, digital controls, color control, On Screen Display user controls, NaViSet software, DDC/CI, Plug and Play (VESA DDC2B), VESA DPMS power management, ISO 13406-2 Class II, Energy Star 4.0 Tier 2, RoHS compliant, WEEE compliant, Windows Vista certification	Thin-frame (bezel), tilt, integrated speakers, headphone jack, No Touch Auto Adjust, cable management, digital smoothing, digital controls, AccuColor color control, sRGB, On Screen Display user controls, NaViSet software, DDC/CI, Plug and Play (VESA DDC2B), VESA DPMS power management, ISO 13406-2 Class II, Energy Star Tier 2, Windows Vista certification	Thin-frame (bezel), tilt, integrated speakers, headphone jack, No Touch Auto Adjust, cable management, digital smoothing, digital controls, AccuColor color control, sRGB, On Screen Display user controls, NaViSet software, DDC/CI, Plug and Play (VESA DDC2B), VESA DPMS power management, ISO 13406-2 Class II, Energy Star Tier 2, Windows Vista certification
Touch-Capable	Designed for integration	No	Yes***	No	Yes***	Yes***
Voltage Rating	AC 100-120V/AC 220-240V	AC 100-120V/AC 220-240V	AC 100-120V/AC 220-240V	AC 100-120V/AC 220-240V	AC 100-120V/AC 220-240V	AC 100-120V/AC 220-240V
Power Consumption (typical)						
On	21W	28W	25W	33W	41W	50W
Power Savings Mode	<2W	<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	14.5 x 15 x 8.3 in. / 368 x 381.5 x 209.6mm	15.7 x 12.7 x 8.3 in. / 400 x 323.5 x 209.8mm	16 x 16 x 8.7 in. / 405.5 x 405.5 x 222mm	17.3 x 13.7 x 8.3 in. / 439.4 x 347.1 x 209.8mm	19.9 x 15.4 x 8.7 in. / 505.2 x 390.9 x 221.8mm
Net (without stand)	13.6 x 11.2 x 2.3 in. / 344.6 x 285 x 57.5mm	14.5 x 12.5 x 2.5 in. / 368 x 316.5 x 62.6 mm	15.7 x 10.8 x 2.5 in. / 400 x 275.5 x 63mm	16 x 13.6 x 2.5 in. / 405.5 x 346 x 63.5mm	17.3 x 11.8 x 2.5 in. / 439.4 x 299.8 x 64.6mm	19.9 x 13.5 x 2.6 in. / 505.2 x 342.9 x 65.2mm
Weight						
Net (with stand)	7.1 lbs. / 3.2 kg	9.5 lbs. / 4.3 kg	8.2 lbs. / 3.7 kg	10.4 lbs. / 4.7 kg	10.1 lbs. / 4.6 kg	11.5 lbs. / 5.2 kg
Net (without stand)	6.2lbs. / 2.8 kg	8.6 lbs. / 3.9 kg	7.5 lbs. / 3.4 kg	9.5 lbs. / 4.3 kg	9.5 lbs. / 4.3 kg	10.6 lbs. / 4.8 kg
VESA Hole Configuration Specifications	100 x 100mm	100 x 100mm	100 x 100mm	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	5-35° C / 41-95° F
Operating Humidity	10 - 80%	10 - 80%	30 - 80%	30 - 80%	30 - 80%	30 - 80%
Operating Altitude	3048m / 10,000 ft.	3048m / 10,000 ft.	3048m / 10,000 ft.	3048m / 10,000 ft.	4572m / 15,000 ft.	4572m / 15,000 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	-10 - 60° C / 14-140° F
Storage Humidity	10 - 85%	10 - 85%	10 - 85%	10 - 85%	10 - 85%	10 - 85%
Storage Altitude	12,192m / 40,000 ft.	12,192m / 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 year parts and labor, including backlight	3 year parts and labor, including backlight	3 year parts and labor, including backlight	3 year parts and labor, including backlight	3 year parts and labor, including backlight	3 year 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	24 hours / 7 days

* Aside from integrated speakers, LCD73VXM specs are identical to those of the LCD73VX
** Aside from integrated speakers, LCD93VXM specs are identical to those of the LCD93VX
*** Only cabinet space available for wiring. No power supply.



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