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NEC AccuSync™ LCD Series

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



High-quality LCD monitors don't necessarily have to be associated with high-end price tags. As flat-panel display technology has advanced and become more mainstream, LCD monitors have become increasingly affordable for a variety of users. NEC AccuSync LCD Series monitors have set a new standard in value for this product category, offering 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. The widescreen 19" NEC AccuSync LCD193WXM, NEC AccuSync 203WXM and 22" NEC AccuSync 223WXM not only tout speakers but provide roughly the same work area as two smaller-sized LCD screens, allowing you to simultaneously work in multiple application windows.

Enhanced screen performance. With contrast ratios as high as 1000:1 (typical) and brightness quality much higher than CRTs at 300 cd/m^2, 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 5ms. 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 all models (except the AccuSync LCD52V and LCD52VM), Ambix provides compatibility with today's computer systems and is on the forefront of tomorrow's digital output.

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

Wide-format screen increases productivity by expanding your working area for multiple application windows (LCD193WXM, LCD203WXM, LCD223WXM)

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 and LCD52VM)

Built-in, front-firing multimedia speakers provide quality sound (LCD52VM, LCD72VXM, LCD92VXM, LCD193WXM, LCD203WXM, LCD223WXM)

Touch or protective glass integration-enabling design increases application options (except LCD193WXM, LCD203WXM and LCD223WXM)

On Screen Display (OSD®) 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

Windows® Vista certification maximizes the monitor's resolution capabilities (except LCD52V and LCD52VM)

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/VM*	AccuSync LCD72VX/VXM**	AccuSync LCD92VX/VXM***	AccuSync LCD193WXM	AccuSync LCD203WXM	AccuSync LCD223WXM
Display						
Viewable Image Size	15"	17"	19"	19"	20.1"	22"
Pixel Pitch	0.297mm	0.264mm	0.294mm	0.284mm	0.258mm	0.282mm
Pixels Per Inch	86 @ native resolution	96 @ native resolution	86 @ native resolution	89 @ native resolution	89 @ native resolution	84 @ native resolution
Brightness (typical)	250 cd/m²	270 cd/m²	270 cd/m²	300 cd/m²	300 cd/m²	300 cd/m²
Contrast Ratio (typical)	400:1	600:1	600:1	1000:1	1000:1	1000:1
Viewing Angle (typical)	110° Vert., 140° Hor. (55U/55D/70L/70R) (CR > 5)	170° Vert., 170° Hor. (85U/85D/85L/85R) (CR > 5)	170° Vert., 170° Hor. (85U/85D/85L/85R) (CR > 5)	176° Vert., 176° Hor. (88U/88D/88L/88R) (CR > 5)	170° Vert., 170° Hor. (85U/85D/85L/85R) (CR > 5)	176° Vert., 176° Hor. (88U/88D/88L/88R) (CR > 5)
Response Time (typical)	Rapid Response (16ms)	Rapid Response (5ms)	Rapid Response (5ms)	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) 31.5-81.1 KHz (Digital)	31.5-81.1 KHz (Analog) 31.5-81.1 KHz (Digital)	31.5-81.1 KHz (Analog) 31.5-81.1 KHz (Digital)	31.5-82.3 KHz (Analog/Digital)	31.5-82.3 KHz (Analog/Digital)
Vertical	56.0-76.0 Hz	56.0-76.0 Hz	56.0-76.0 Hz	56.0-76.0 Hz	56-75 Hz	56-75 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)
Input	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 @ 70-75 Hz 1152 x 870 @ 75 Hz 1280 x 960 @ 60-75Hz 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 @ 60-75Hz 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 @ 60-76 Hz 1280 x 768 @ 60-75 Hz 1152 x 864 @ 60-75 Hz 1152 x 870 @ 75 Hz 1280 x 960 @ 60 Hz 1280 x 1024 @ 60-76 Hz 1360 x 768 @ 60 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 @ 60-76 Hz 1152 x 864 @ 60-75 Hz 1152 x 870 @ 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 1440 x 1050 @ 60-75 Hz 1680 x 1050 @ 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 @ 60-76 Hz 1152 x 864 @ 60-75 Hz 1152 x 870 @ 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 1440 x 1050 @ 60-75 Hz 1680 x 1050 @ 60-75 Hz
Native Resolution	1024 x 768 @ 75 Hz	1280 x 1024 @ 60 Hz	1280 x 1024 @ 60 Hz	1440 x 900 @ 60-75 Hz	1680 x 1050 @ 60 Hz	1680 x 1050 @ 60 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 Manager user controls, NaViSet software, DDC/CI, Plug and Play (VESA DDC2B), VESA DPMS power management, ISO 13406-2 Class II	Thin-frame (bezel), tilt, No Touch Auto Adjust, touch screen compatible, cable management, digital smoothing, digital controls, AccuColor color control, On Screen Manager user controls, NaViSet software, DDC/CI, Plug and Play (VESA DDC2B), VESA DPMS power management, ISO 13406-2 Class II, Windows Vista-certified	Thin-frame (bezel), tilt, No Touch Auto Adjust, touch screen compatible, cable management, digital smoothing, digital controls, AccuColor color control, On Screen Manager user controls, NaViSet software, DDC/CI, Plug and Play (VESA DDC2B), VESA DPMS power management, ISO 13406-2 Class II, Windows Vista-certified	Thin-frame (bezel), widescreen format, tilt, integrated speakers, No Touch Auto Adjust, cable management, digital smoothing, digital controls, AccuColor color control, On Screen Manager user controls, NaViSet software, DDC/CI, Plug and Play (VESA DDC2B), VESA DPMS power management, ISO 13406-2 Class II, Windows Vista-certified	Thin-frame (bezel), widescreen format, tilt, integrated speakers, No Touch Auto Adjust, 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, Windows Vista-certified	Thin-frame (bezel), widescreen format, tilt, integrated speakers, No Touch Auto Adjust, 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, Windows Vista-certified
Touch-Capable	Designed for integration	Designed for integration	Designed for integration	No	No	No
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	21 W	30 W	37 W	39 W	49 W	55 W
Power Savings Mode	< 2 W	< 2 W	< 2 W	< 2 W	< 2 W	< 2 W
Dimensions (W x H x D)						
Net (with stand)	13.6 x 13.9 x 6.5 in./ 344.6 x 352.7 x 165.0mm	14.8 x 15.3 x 7.1 in./ 375.4 x 389.0 x 180.0mm	16.5 x 16.8 x 7.9 in./ 418.0 x 427.8 x 199.5mm	17.6 x 14.7 x 7.7 in./ 447.3 x 374.6 x 196.2mm	18.9 x 15.2 x 7.7 in./ 478.9 x 386.8 x 196.2mm	20 x 15.7 x 7.7 in./ 506.1 x 398.1 x 196.2mm
Net (without stand)	13.6 x 11.2 x 2.3 in./ 344.6 x 285.0 x 57.5mm	14.8 x 12.9 x 2.4 in./ 375.4 x 326.5 x 61.0mm	16.5 x 14.6 x 2.7 in./ 418.0 x 369.8 x 68.0mm	17.6x 12.4 x 2.3 in./ 447.3 x 314.4 x 58.8mm	18.9 x 13 x 2.5 in./ 478.9 x 330.1 x 64.3mm	20 x 14 x 2.5 in./ 506.1 x 354.7 x 64.3mm
Weight						
Net (with stand)	7.1 lbs./3.2 kg	10.1 lbs./4.6 kg	14.3 lbs./6.5 kg	12.1 lbs./5.5 kg	13.4 lbs./6.1 kg	14.3 lbs./6.5 kg
Net (without stand)	6.2lbs./2.8 kg	9.3 lbs./4.2 kg	12.1 lbs./5.5 kg	9.5 lbs./4.3 kg	10.8 lbs./4.9 kg	11.7 lbs./5.3 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%	10-80%	30-80%	30-80%	30-80%
Operating Altitude	3048m/10,000 ft.	3048m/10,000 ft.	3048m/10,000 ft.	4572m/15,000 ft.	3048m/10,000 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, LCD52VM specs are identical to those of the LCD52V
** Aside from integrated speakers, LCD72VXM specs are identical to those of the LCD72VX
*** Aside from integrated speakers, LCD92VXM specs are identical to those of the LCD92VX

RoHS compliant

ENERGY STAR

CERTIFIED FOR Windows Vista™

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NEC

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