

# NEC AccuSync™ Touch LCD Series

15" and 17" touch-integrated LCDs



**Equip your touchscreen applications with the quality and reliability of NEC Display Solutions LCD monitors.** NEC's solid reputation is well-known across a wide range of markets, and the AccuSync Touch LCD Series extends this legacy to the touchscreen industry. The 15" NEC AccuSync LCD52V and digital 17" NEC AccuSync LCD72VX deliver ideal touchscreen display solutions to markets such as point-of-sale, entertainment, hospitality, kiosks, medical, industrial, education and transportation.

**Flexible touchscreen options.** As touch requirements differ from one application or environment to the next, our AccuSync LCD52V and LCD72VX monitors are available with your choice of capacitive or resistive touchscreen technology, while also utilizing a USB interface to connect to newer computer systems. Our capacitive models are ideal for applications that require fast, reliable and accurate touch performance. The use of capacitive screen increases durability by resisting scratches,

## Series Features & Benefits

**Capacitive touchscreen technology** offers fast, reliable and accurate performance, resisting scratches, abrasions and everyday contaminants

**Resistive touchscreen technology** provides a more economical performance with increased input flexibility and responds to any input device, including a finger, gloved hand or pen stylus

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

**USB interface** connects the display to newer computer systems

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

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

**Reinforced stand** provides improved balance and stability

**Low power consumption** reduces electrical costs and lowers total cost of ownership

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

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

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

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

**Adheres to ISO 13406-2 Class II requirements** for quality screen performance

**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

abrasions and everyday contaminants such as dirt, liquids and harsh chemicals. Our resistive models are fast, accurate, economical, offer more input flexibility and are pressure-sensitive to respond to any input device, including a finger, gloved hand or pen stylus. The insulator layers in our resistive displays make this screen environmentally robust, protecting circuitry in high temperatures and humidity.

**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. Available on the AccuSync LCD72VX, Ambix provides compatibility with today’s computer systems and is on the forefront of tomorrow’s digital output. Digital technology allows for connection with any signal in a preset range, regardless of the frequency output of the video card. Also, because no digital-to-analog conversion is necessary, signal loss is virtually eliminated, resulting in superior picture quality. A standard in the industry for many years, the easy-to-recognize VGA connector ensures hassle-free equipment swaps during technology upgrades.

**Enhanced screen performance.** With contrast ratios as high as 600:1 (typical) and brightness quality much higher than CRTs at 270 cd/m<sup>2</sup>, outstanding LCD monitor front-of-screen visual performance is NEC Display Solutions’ #1 goal. The AccuSync Touch 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 16ms. This remarkably quick motion makes these models better than ever for applications such as presentations and streaming video.

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

Model	AccuSync LCD52V-BK-TC1 (capacitive) AccuSync LCD52V-BK-TR1 (resistive)	AccuSync LCD72VX-BK-TC (capacitive) AccuSync LCD72VX-BK-TR (resistive)
<b>Display</b>		
Viewable Image Size	15"	17"
Pixel Pitch	0.297mm	0.264mm
Pixels Per Inch	86 @ native resolution	96 @ native resolution
Brightness (typical)	250 cd/m <sup>2</sup>	270 cd/m <sup>2</sup>
Contrast Ratio (typical)	400:1	600:1
Viewing Angle (typical)	110° Vert., 140° Hor. (55U/55D/70L/70R)	170° Vert., 170° Hor. (85U/85D/85L/85R)
Response Time (typical)	Rapid Response (16ms)	Rapid Response (5ms)
Display Colors	More than 16 million	More than 16 million
Input Method	Finger, stylus (capacitive) / Finger, gloved hand, stylus (resistive)	Finger, stylus (capacitive) / Finger, gloved hand, stylus (resistive)
Touch Transmission	85% +/- 2% (resistive) / 91.5% +/- 1.5% (capacitive)	85% +/- 2% (resistive) / 91.5% +/- 1.5% (capacitive)
<b>Synchronization Range</b>		
Horizontal	31.5-60 kHz	31.5-81 kHz
Vertical	56-75 Hz	56-75 Hz
<b>Input Signal</b>		
Video	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)
<b>Inputs</b>	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 1152 x 864 @ 70 Hz 1152 x 870 @ 75 Hz 1280 x 1024 @ 60-75 Hz 1280 x 960 @ 60-75 Hz
<b>Native Resolution</b>	1024 x 768 @ 75 Hz	1280 x 1024 @ 60 Hz
<b>Additional Features</b>	NaViSet software, digital smoothing, digital controls, user (OSD) controls, Plug and Play (VESA DDC & 2Bi), AccuColor color control, DDC/CI, VESA DPMS power management, ISO 13406-2 Class II, cable management, Windows Vista certification	NaViSet software, digital smoothing, digital controls, user (OSD) controls, Plug and Play (VESA DDC & 2Bi), AccuColor color control, DDC/CI, VESA DPMS power management, ISO 13406-2 Class II, cable management, Windows Vista certification
<b>Voltage Rating</b>	100-240V @ 50/60 Hz	100-240V @ 50/60Hz
<b>Power Consumption (typical)</b>		
On	21W	30W
Power Savings Mode	< 2W	< 2W
<b>Dimensions (W x H x D)</b>		
Net (with stand)	13.6 x 13.6 x 7.3 in./ 345.4 x 345.9 x 185.4mm	14.8 x 14.1 x 7.3 in./ 375.9 x 357.1 x 185.4mm
Net (without stand)	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
<b>Weight</b>		
Net (with stand)	9.1 lbs./ 4.1 kg	12.1 lbs./5.5 kg
Net (without stand)	6.2 lbs./ 2.8 kg	9.5 lbs./4.3 kg
<b>VESA Hole Configuration Specifications</b>	75 x 75mm	100 x 100mm
<b>Environmental Conditions</b>		
Operating Temperature	-20-50°C/-4-122°F (capacitive) / -15-70°C/5-158°F (resistive)	-20-50°C/-4-122°F (capacitive) / -15-70°C/5-158°F (resistive)
Operating Humidity	10-80%	10-80%
Operating Altitude	3048m/10,000 ft.	3048m/10,000 ft.
Storage Temperature	-10-60°C/14-140°F	-10-60°C/14-140°F
Storage Humidity	10-85%	10-85%
Storage Altitude	12,142m/40,000 ft.	12,192m/40,000 ft.
<b>Limited Warranty</b>	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



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