

NEC AccuSync™ Touch LCD Series

Flat-panel monitors ideal for applications requiring touchscreen capabilities



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 17" NEC AccuSync LCD72V 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 LCD72V monitors are available with your choice of 3M Touch Systems 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 3M's ClearTek™ screen increases durability by resisting scratches, abrasions and everyday contaminants such as dirt, liquids and harsh chemicals. Resistive models are fast, accurate, economical, offer more input flexibility and use 3M's MicroTouch™ 5-wire screen, which is 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.

Enhanced screen performance. With contrast ratios as high as 450:1 (typical) and brightness quality much higher than CRTs at 250 cd/m², 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 of 25ms or less. 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.

Series Features and 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

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

Slim footprint liberates you and your desk (up to 70% weight reductions and up to 60% less space required compared to CRT monitors)

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

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

Built-in power supply allows for easy mounting of the display

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

AccuSync Touch LCD Series Specifications

Model	AccuSync LCD52V-BK-TC (capacitive) AccuSync LCD52V-BK-TR (resistive)	AccuSync LCD72V-BK-TC (capacitive) AccuSync LCD72V-BK-TR (resistive)
Display		
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 ²	250 cd/m ²
Contrast Ratio (typical)	400:1	450:1
Viewing Angle (typical)	110° Vert., 140° Hor. (55U/55D/70L/70R)	145° Vert., 160° Hor. (75U/70D/80L/80R)
Response Time (typical)	Rapid Response (25ms)	Rapid Response (16ms)
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% (capacitive) / 91.5% +/- 1.5% (resistive)	85% +/- 2% (capacitive) / 91.5% +/- 1.5% (resistive)
Synchronization Range		
Horizontal	31.5-60 kHz	31.5-81 kHz
Vertical	56-75 Hz	56-75 Hz
Input Signal		
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)
Input	15-pin D-sub	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 Hz 1152 x 870 @ 75 Hz 1280 x 1024 @ 60-75 Hz 1280 x 960 @ 60-75 Hz
Native Resolution	1024 x 768 @ 75 Hz	1280 x 1024 @ 60 Hz
Additional Features	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, cable management	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, cable management
Voltage Rating	100-240V @ 50/60 Hz	100-240V @ 50/60Hz
Power Consumption (typical)		
On	21W	30W
Power Savings Mode	<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	14.8 x 15.3 x 7.1 in. / 375.4 x 389 x 180mm
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
Weight		
Net (with stand)	8.6 lbs. / 3.9 kg	11.85 lbs. / 5.4 kg
Net (without stand)	7.7 lbs. / 3.5 kg	11.05 lbs. / 5 kg
VESA Hole Configuration Specifications	75 x 75mm	100 x 100mm
Environmental Conditions		
Operating Temperature	-5-35°C / 41-95°F	-5-35°C / 41-95°F
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.
Chemical Resistance	ASTM-F-1598-95 (capacitive, resistive) / ASTM-D-01308-07 (resistive)	ASTM-F-1598-95 (capacitive, resistive) / ASTM-D-01308-07 (resistive)
Limited Warranty	3 years parts and labor, including backlight	3 years parts and labor, including backlight
Technical Support	24 hours / 7 days	24 hours / 7 days



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