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NEC

ENTERPRISE

MULTISYNC® LCD 60 SERIES

Thin-frame LCD monitors ideal for corporate environments



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NEC/MITSUBISHI
NEC-MITSUBISHI ELECTRONICS DISPLAY

Helping you work smarter with INTELLIGENT display technologies.

In the engineering of its visual display solutions, NEC-Mitsubishi Electronics Display has continually built upon a tradition of incorporating intelligent technologies and designs that allow users to work smarter. With the NEC MultiSync LCD 60 Series, a family of high-performance flat-panel monitors, the tradition continues with displays that feature bright screens and enhanced features that allow you to work intelligently and maximize productivity.

The series, which currently features eight LCD models in 15", 17", 18" and 19" screen sizes and the choice of a white or black cabinet, offers performance-driven business and home users flexible, reliable monitor solutions that meet virtually any need. Users also can take advantage of the series' great value, which is driven by a low total cost of ownership (TCO).

Screen-enhancing features. The MultiSync LCD 60 Series incorporates many components aimed at making the user's time in front of the monitor more productive and comfortable. NEC's Rapid Response™ technology, available on all MultiSync LCD 60 Series models, provides for lifelike full-motion video display with response times of 30ms or less. Rapid Response delivers streaming video, while virtually eliminating ghosting or blurring, and achieving at least 33 frames per second (fps). This remarkably quick motion makes these models better than ever for gaming and video applications such as presentations and streaming web video. No Touch Auto Adjust™ eliminates the hassle of adjusting screen controls when first connecting to a new system. When turning on these monitors for the first time, the monitor and video card communicate to automatically adjust screen settings for optimal viewing.

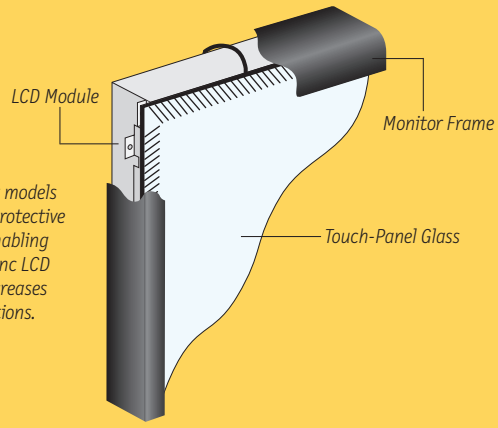
Wide compatibility for today and tomorrow. With both DVI-D and traditional 15-pin VGA connectors featured on six of the eight MultiSync LCD 60 Series models, you can bridge the gap between analog and digital systems by allowing the same monitor to work seamlessly in either environment. This dual-input technology 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. In addition, this technology offers dual system support, allowing you to simultaneously toggle between two systems, such as a PC and a Mac®.

Take your control a step further. Our exclusive NaViSet™ software (available by download) offers an intuitive graphical user interface that allows the user to adjust On Screen Manager (OSM®) display settings via mouse and keyboard instead of using the monitor's up-front buttons. This software provides animated graphics and test patterns to help guide the user through adjustments for the MultiSync LCD 60 Series. For an unprecedented level of control, NaViSet Administrator software for IT professionals (available upon request) contains Windows® Management Instrumentation™ (WMI) for remote control and diagnostics maintenance for all installed, compatible MultiSync LCD 60 Series units. This software provides IT personnel remote access to the monitor and its settings without disrupting the user. All of these control capabilities are made possible using the advanced remote diagnostics and remote control capabilities of the Display Data Channel/Command Interface (DDC/CI). This allows control commands to be sent directly to the monitor by the local system or remotely over an existing network (LAN) by a system administrator. In order to take full advantage of these benefits, users must use a DDC/CI-compatible graphics card and be running Windows 2000/XP.

Bright ideas in design. MultiSync LCD 60 Series monitors, which feature slim footprints and thin frames, have been designed for easy, flexible integration into a variety of surroundings,



Offering 110mm of height adjustment and capabilities for cable management, tilting and swiveling, the base (featured on select models) adjusts to your preferred viewing orientation.



With six of the eight models featuring touch or protective glass integration-enabling designs, the MultiSync LCD 60 Series greatly increases your application options.

including cramped areas and ergonomically challenged work spaces. This user-friendly design enables you to focus more on what is on-screen, enhancing not only your visual experience but your overall productivity. The built-in power supply eliminates the need for a bulky power brick and the cables it requires, which can clutter your work space. An ergonomically enhanced base (featured on select models) allows for 110mm of height adjustment and features capabilities for cable management, tilting and swiveling, easily adjusting to each user's preferred angle of vision and further increasing comfort, productivity and ease of use.

Easy touch or protective glass integration options. Most models feature touch or protective glass integration-enabling designs (see above illustration), increasing the displays' application options. NEC-Mitsubishi Select Integrators™ can provide you with a wide range of integration options to meet your specific application requirements.

Easy peripheral connections with a USB hub. The MultiSync LCD1560M features an integrated USB 2.0 hub in the monitor base, making it easier than ever for you to connect to peripheral devices such as MP3 players, scanners, digital cameras and mice.

Adhere to the industry's most stringent specifications for on-screen performance. MultiSync LCD 60 Series models meet all requirements of the ISO 13406-2 Class II standard, which covers performance specifications such as viewing angle, pixel faults, brightness uniformity, flicker, font analysis, reflections and contrast.

Intelligent power management ensures a smart investment. Using up to 70% less power and emitting less heat than comparable CRT monitors, MultiSync LCD 60 Series monitors allow you to conserve energy and lower your total cost of ownership. The high-efficiency backlight promotes an extraordinarily long lifetime, reducing not only the power consumption but also the heat generation at the front of the screen. The vacation switch further reduces electricity costs by completely shutting down the monitor's power.

Warranty and support provide assurance. You can rest easy knowing that NEC-Mitsubishi is available 24 hours a day, 7 days a week for technical support, and a 3-year limited warranty on all models guarantees your satisfaction. You can add to your assurance by extending your warranty coverage an additional 2 years through our Premium Protect™ extended service plan.

Upgrade your visual experience at significant savings. With Total Trade™, NEC-Mitsubishi's hassle-free monitor replacement and recycling program, we can facilitate the removal and disposal of your facility's current units in an environmentally friendly manner, while enhancing your desktops with new MultiSync LCD 60 Series displays. Not only is your workload lightened, but you also have the potential to lower your procurement costs and your overall TCO.

Series Features & Benefits

Thin-frame design allows you to view more of your ideas and less of the monitor bezel, while freeing up more horizontal and vertical desktop space for multiple-monitor applications

No Touch Auto Adjust provides optimal image settings upon initial power-on

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

High-bright backlight delivers superior performance for readability and clarity

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

Detachable base and arm/wall mounting capabilities allow you to free up even more desktop space or gain more aesthetic appeal

Vacation switch completely shuts down the monitor's power, saving you even more on electricity bills

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

Cabinet color options of white or black allow you to match your system, laptop or work environment

NEC's 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

Select Model Features & Benefits

(see spec matrix for individual model features)

XtraView® technology provides for some of the widest viewing angles available

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

DVI-D and VGA dual-input connectors allow compatibility with upgraded video cards and software as well as connection to two systems

Touch or protective glass integration-enabling design increases application options

Height-adjustable stand adds flexibility and comfort to your viewing preferences with swivel, tilt and cable management capabilities

USB 2.0 hub adds excitement to your computing by connecting you to digital cameras, scanners and more

Built-in, state-of-the-art multimedia capability provides quality sound

SEE MORE.™

NEC

MultiSync LCD 60 Series Specifications

Model	MultiSync LCD1560V+	MultiSync LCD1560M	MultiSync LCD1560NX-1	MultiSync LCD1760V	MultiSync LCD1760VM-1	MultiSync LCD1760NX-1	MultiSync LCD1860NX-1	MultiSync LCD1960NXi
Display: Viewable Image Size Pixel Pitch Pixels Per Inch Brightness (typical) Contrast Ratio (typical) Viewing Angle (typical) Response Time (typical) Display Colors	15" .297mm 85.5 @ native resolution 250cd/m² 350:1 120° Vert., 160° Hor. (60U/60D/80L/80R) (CR>5) Rapid Response (30ms) More than 16 million	15" .297mm 85.5 @ native resolution 300cd/m² 450:1 150° Vert., 160° Hor. (70U/80D/80L/80R) Rapid Response (25ms) More than 16 million	15" .297mm 85.5 @ native resolution 250cd/m² 350:1 120° Vert., 160° Hor. (60U/60D/80L/80R) (CR>5) Rapid Response (30ms) More than 16 million	17" .264mm 96.2 @ native resolution 250 cd/m² 450:1 140° Vert., 160° Hor. (65U/75D/80L/80R) (CR>5) Rapid Response (16ms) More than 16 million	17" .264mm 96.2 @ native resolution 250 cd/m² 350:1 155° Vert., 160° Hor. (75U/80D/80L/80R) (CR>5) Rapid Response (25ms) More than 16 million	17" .264mm 96.2 @ native resolution 250 cd/m² 450:1 140° Vert., 160° Hor. (65U/75D/80L/80R) (CR>5) Rapid Response (16ms) More than 16 million	18.1" .281mm 90.4 @ native resolution 200 cd/m² 350:1 160° Vert., 160° Hor. (80U/80D/80L/80R) (CR>10) Rapid Response (30ms) More than 16 million	19" .294mm 86 @ native resolution 225 cd/m² 500:1 176° Vert., 176° Hor. (88U/88D/88L/88R) (CR>10) Rapid Response (25ms) More than 16 million
Synchronization Range: Horizontal Vertical	31.5-60 kHz 56.2-75.1 Hz	31.5-60 kHz 56.2-75.1 Hz	31.5-60 kHz 56.2-75.1 Hz	31.5-80 kHz 56-75 Hz	31.5-81.1 kHz (ANALOG) 31.5-69 kHz (DIGITAL) 56-75 Hz	31.5-81.1 kHz (ANALOG) 31.5-69 kHz (DIGITAL) 56-75 Hz	31-82 kHz (ANALOG) 31-80 kHz (DIGITAL) 55-85 Hz	31.5-81.1 kHz (ANALOG) 31.5-80 kHz (DIGITAL) 56-75 Hz
Input Signal: Video Sync	ANALOG 0.7 Vp-p/75 Ohms Separate sync: TTL Level (Positive/Negative)	ANALOG 0.7 Vp-p/75 Ohms Separate sync: TTL Level (Positive/Negative)	ANALOG 0.7 Vp-p/75 Ohms Separate sync: TTL Level (Positive/Negative)	Analog 0.7 Vp-p/75 Ohms Separate sync: TTL Level (Positive/Negative)	Analog 0.7 Vp-p/75 Ohms Separate sync: TTL Level (Positive/Negative) Composite sync: TTL Level (Positive/Negative) Composite sync on Green: (0.3 Vp-p negative 0.7 Vp-p positive)	Analog 0.7 Vp-p/75 Ohms Separate sync: TTL Level (Positive/Negative)	Analog 0.7 Vp-p/75 Ohms Separate sync: TTL Level (Positive/Negative) Composite sync: TTL Level (Positive/Negative) Composite sync on Green: (0.3 Vp-p negative 0.7 Vp-p positive)	Analog 0.7 Vp-p/75 Ohms 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	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	ANALOG 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 @ 60-75.1 Hz	ANALOG/DIGITAL 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 @ 60-75.1 Hz	ANALOG/DIGITAL 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 @ 60-75.1 Hz	ANALOG 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 870 @ 75 Hz 1280 x 1024 @ 60-76 Hz	ANALOG/DIGITAL 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 870 @ 75 Hz 1280 x 1024 @ 60-76 Hz	ANALOG/DIGITAL 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 870 @ 75 Hz 1280 x 1024 @ 60-76 Hz	ANALOG/DIGITAL 640 x 400 @ 70 Hz 720 x 400 @ 70 Hz 640 x 480 @ 60 Hz-85 Hz 800 x 600 @ 56 Hz-85 Hz 832 x 624 @ 75 Hz 1024 x 768 @ 60 Hz-85 Hz 1152 x 870 @ 75 Hz 1280 x 1024 @ 60 Hz (60-75 Hz for ANALOG)	ANALOG/DIGITAL 720 x 400 @ 70 Hz 640 x 480 @ 60 Hz-75 Hz 800 x 600 @ 56 Hz-75 Hz 832 x 624 @ 75 Hz 1024 x 768 @ 60 Hz-75 Hz 1152 x 864 @ 75 Hz 1280 x 1024 @ 60 Hz (60-75 Hz for ANALOG)
Native Resolution	1024 x 768 @ 75 Hz	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	1280 x 1024 @ 60 Hz	1280 x 1024 @ 60 Hz
Additional Features	Thin-frame (bezel), No Touch Auto Adjust, NaViSet software, AccuColor color control, 3rd party touchscreen and protective glass integration, digital smoothing, digital controls, Plug and Play (VESA DDC 2B/DDC-CI), VESA DPMS power management, user (OSM) controls, ISO 13406-2 Class II, vacation switch	Thin-frame (bezel), No Touch Auto Adjust, NaViSet software, sRGB, 4-port USB 2.0 hub, bezel-integrated speakers, AccuColor color control, digital smoothing, digital controls, Plug and Play (VESA DDC 2B/DDC-CI), VESA DPMS power management, user (OSM) controls, ISO 13406-2 Class II, vacation switch	Thin-frame (bezel), No Touch Auto Adjust, NaViSet software, AccuColor color control, 3rd party touchscreen and protective glass integration, digital smoothing, digital controls, Plug and Play (VESA DDC 2B/DDC-CI), VESA DPMS power management, user (OSM) controls, ISO 13406-2 Class II, vacation switch, height-adjustable stand	Thin-frame (bezel), No Touch Auto Adjust, NaViSet software, sRGB, AccuColor color control, 3rd party touchscreen and protective glass integration, digital smoothing, digital controls, Plug and Play (VESA DDC 2B/DDC-CI), VESA DPMS power management, user (OSM) controls, ISO 13406-2 Class II, vacation switch	Thin-frame (bezel), No Touch Auto Adjust, NaViSet software, sRGB, AccuColor color control, bezel-integrated speakers, digital smoothing, digital controls, Plug and Play (VESA DDC 2B/DDC-CI), VESA DPMS power management, user (OSM) controls, ISO 13406-2 Class II, vacation switch, height-adjustable stand	Thin-frame (bezel), No Touch Auto Adjust, NaViSet software, sRGB, AccuColor color control, 3rd party touchscreen and protective glass integration, digital smoothing, digital controls, Plug and Play (VESA DDC 2B/DDC-CI), VESA DPMS power management, user (OSM) controls, ISO 13406-2 Class II, vacation switch, height-adjustable stand	Thin frame (bezel), XtraView Technology wide-angle viewing, DDC/CI, No Touch Auto Adjust, 3rd party touchscreen and protective glass integration, digital smoothing, digital controls, color control (4 mode memory + sRGB + NATIVE), Plug and Play (VESA DDC 2B/DDC-CI), VESA DPMS power management, user OSM controls, Cable Management, vacation switch, internal power supply, black level adjustment +10 bit gamma, height-adjustable stand	Thin frame (bezel), XtraView+ Technology wide-angle viewing, DDC/CI, No Touch Auto Adjust, 3rd party touchscreen and protective glass integration, digital smoothing, digital controls, color control (4 mode memory + sRGB + NATIVE), Plug and Play (VESA DDC 2B/DDC-CI), VESA DPMS power management, user OSM controls, Cable Management, vacation switch, internal power supply, swivel at stand base, 10 bit gamma, height-adjustable stand
Touch-Capable	yes	no	yes	yes	no	yes	yes	yes
Voltage Rating	100-120/220-240V @ 50-60Hz	100-120/220-240V @ 50-60Hz	100-120/220-240V @ 50-60Hz	100-120/220-240V @ 50-60Hz	100-120/220-240V @ 50-60Hz	100-120/220-240V @ 50-60Hz	100-120/220-240V @ 50-60Hz	100-120/220-240V @ 50-60Hz
Power Consumption: On Power Savings Mode	22W 2W	35W 2W	20W 2W	38W 2W	48W 2W	38W 2W	38W 3W	38W 2W
Dimensions (WxHxD): Net (with stand) Net (without stand)	13.6 x 13.6 x 6.5 in./ 344.8 x 344.2 x 166mm 13.6 x 11 x 2.3 in./ 344.8 x 279 x 58mm	13.6 x 13.6 x 6.5 in./ 344.8 x 344.2 x 166mm 13.6 x 12.1 x 2.5 in./ 344.8 x 306.1 x 63mm	13.6 x 12.0-16.4 x 6.5 in./ 344.8 x 305.3-415.3 x 166mm 13.6 x 11 x 2.3 in./ 344.8 x 279 x 58mm	14.7 x 15.1 x 7.7 in./ 374 x 383.6 x 196mm 14.7 x 12.6 x 2.5 in./ 374 x 318.8 x 63.5mm	14.7 x 14.7-19.0 x 7.7 in./ 374 x 372.8-482.8 x 196mm 14.7 x 13.6 x 2.5 in./ 374 x 345.9 x 63.5mm	14.7 x 13.5-17.9 x 8.1 in./ 374 x 343.8-453.8 x 205mm 14.7 x 12.6 x 2.5 in./ 374 x 318.8 x 63.5mm	15.7 x 14.5-18.9 x 8.1 in./ 398 x 369.5-479.5 x 205mm 15.7 x 13.5 x 2.9 in./ 398 x 342.5 x 73.5mm	16.4 x 15.3-19.7 x 7.5 in./ 416.3 x 388.7-498.7 x 190mm 16.4 x 13.9 x 3 in./ 416.3 x 352.8 x 76mm
Net Weight (with stand) (without stand)	8.2 lbs/3.7 kg 6.2 lbs./2.8 kg	9.7 lbs/4.4 kg 7.7 lbs./3.5 kg	9.9 lbs/4.5 kg 6.2 lbs./2.8 kg	11.7 lbs./5.3 kg 9.3 lbs./4.2 kg	15 lbs./6.8 kg 10.4 lbs./4.7 kg	15.0 lbs./6.8 kg 9.3 lbs./4.2 kg	16.1 lbs./7.3 kg 13.7 lbs./6.2 kg	17.6 lbs./8 kg 12.3 lbs./5.6 kg
VESA Hole Configuration Specifications	75mm x 75mm	75mm x 75mm	75mm x 75mm	100mm x 100mm	100mm x 100mm	100mm x 100mm	100mm x 100mm	100mm x 100mm
Environmental Conditions: Operating Temperature Operating Humidity Operating Altitude Storage Temperature Storage Humidity Storage Altitude	5-35°C/41-95°F 30-80% 3,048m/10,000 ft. -10-60°C/14-140°F 10-85% 12,192m/40,000 ft.	5-35°C/41-95°F 30-80% 3,048m/10,000 ft. -10-60°C/14-140°F 10-85% 9,601m/31,500 ft.	5-35°C/41-95°F 30-80% 3,000m/9,843 ft. -10-60°C/14-140°F 10-85% 12,000m/39,370 ft.	5-35°C/41-95°F 10-80% 3,048m/10,000 ft. -10-60°C/14-140°F 10-85% 9,145m/30,000 ft.	5-35°C/41-95°F 10-80% 3,000m/9,843 ft. -10-60°C/14-140°F 10-85% 12,000m/39,370 ft.	5-35°C/41-95°F 10-80% 3,048m/10,000 ft. -10-60°C/14-140°F 10-85% 9,145m/30,000 ft.	5-35°C/41-95°F 30-80% 3,658m/12,001 ft. -20-60°C/-4-140°F 10-90% 16,255m/53,330 ft.	5-35°C/41-95°F 30-80% 3,658m/12,001 ft. -20-60°C/-41-95°F 10-90% 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	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 day	24 hours/7 days	24 hours/7 days	24 hours/7 days	24 hours/7 days	24 hours/7 days	24 hours/7 days

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