

MultiSync® FE Series

Flat-Screen CRT Monitors



Reduced glare and reflection

Easy to use features

Greater sharpness, contrast
and brightness

Our approach to the new MultiSync FE Series is simple. Make it functional. Make it affordable. And make it flat.



MultiSync FE700™



MultiSync FE700M™
with Audio Base

This multimedia monitor allows you to plug headphones into the audio base port.



MultiSync FE750™

Let's face it, when it comes to highways, hotcakes and monitor screens, flat is where it's at. That's why NEC Technologies designed the MultiSync FE Series, the newest line of flat-screen CRT monitors. The advanced design doesn't simply improve image quality, it ensures significantly less glare, reflection and distortion than traditional curved screens. And that means reduced eyestrain, less fatigue and improved productivity. While we were at it, we flattened one more thing—the price. It all adds up to a combination of NEC innovation, reliability and value that will change the way you look at monitors.

Meet the Flat Family

NEC's newest flat-screen family allows corporate, small office and performance-driven home users to take advantage of today's intricate text and graphics applications. MultiSync FE Series monitors are available in three screen sizes and are competitively priced to meet the needs and budget of every user. The series even boasts a flat-screen monitor with multimedia capabilities and another with super-high resolutions for the best image quality imaginable.

17" (16" viewable) MultiSync FE700™ monitor

17" (16" viewable) MultiSync FE700M™ multimedia monitor

17" (16" viewable) MultiSync FE750™ super-high resolution monitor

19" (18" viewable) MultiSync FE950™ monitor

22" (20" viewable) MultiSync FE1250™ monitor

Flat Out Better

When it comes to image quality, MultiSync FE Series flat-screen monitors roll right over traditional curved CRTs by delivering a host of benefits that enhance the computing experience. With greater image sharpness, contrast and brightness, fine type and intricate details are crisp, clear and easy on the eyes. The exceptional brightness uniformity—over 300% better than traditional curved-screen CRTs—and enhanced edge-to-edge clarity mean that what you see is what you get, for consistent true-to-life images across the entire display. Plus, with over 85% reduction in glare and five times less reflection than current traditional curved-screen CRTs, the revolutionary FE Series CRT design also means decreased eyestrain and fatigue for increased productivity and comfort.

OSM™ puts you in the driver's seat

NEC Technologies offers easy to use on-screen controls for fast and simple image adjustments. Front bezel buttons activate the screen menus that provide access to:

Brightness and contrast

Image size and position

Screen geometry

On-screen color preferences with NEC's AccuColor® control system.

Plug and Play compatibility gets you rolling

All MultiSync FE Series monitors feature Plug and Play compatibility with Windows® 98 to minimize set-up time and maximize your productivity. Plug and Play allows the monitor to identify capabilities—such as screen size and resolutions supported—and communicate them to your computer. Once determined, display performance is automatically optimized for outstanding image quality.

Rock and Roll with multimedia capabilities

The MultiSync FE700M monitor, with an integrated audio base, provides quality sound. It also includes a headphone jack for private listening.

Phenomenal compatibility and flexibility ensure your monitor won't run out of steam.

MultiSync FE Series monitors offer the latest technology, including industry-leading resolutions for superior versatility and the ability to "grow with you" as needs change and applications become more complex. In addition, they are compatible with PC and Macintosh® computers for maximum flexibility.

Asset management keeps managers up to speed. MultiSync FE Series monitors support asset management capability by adhering to VESA DDC and EDID standards. Based on these standards, information from the monitor—such as serial number, model name, timing data and color settings—can be communicated to a central system using asset management software.

	MultiSync FE700	MultiSync FE700M	MultiSync FE750	MultiSync FE950	MultiSync FE1250
CRT/Viewable Image Size	17.0"/16.0"	17.0"/16.0"	17.0"/16.0"	19.0"/18.0"	22.0"/20.0"
Grille Pitch	0.25mm	0.25mm	0.25mm	0.25-0.27mm variable	0.25-0.27mm variable
Max Resolution	1280 × 1024 @ 66Hz	1280 × 1024 @ 66Hz	1600 × 1200 @ 73Hz	1792 × 1344 @ 68Hz	1920 × 1440 @ 73Hz



MultiSync FE950™



MultiSync FE1250™

The quality and reliability you expect from the flat-out leader in display technology, NEC Technologies. MultiSync monitors are backed by the responsive service and support of NEC Technologies. MultiSync FE Series monitors are covered by a comprehensive, three-year limited warranty with guaranteed exchange service, as well as toll-free technical support. In addition, specialty service plans are available for qualified corporate accounts.

Fig. 1 Traditional curved-screen CRT

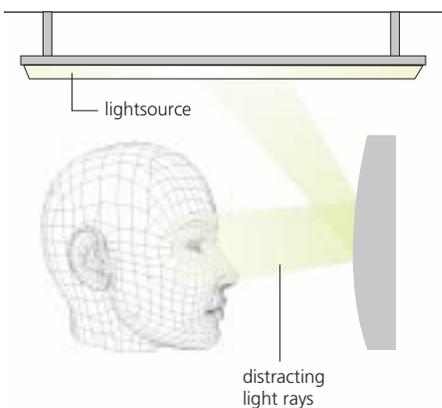
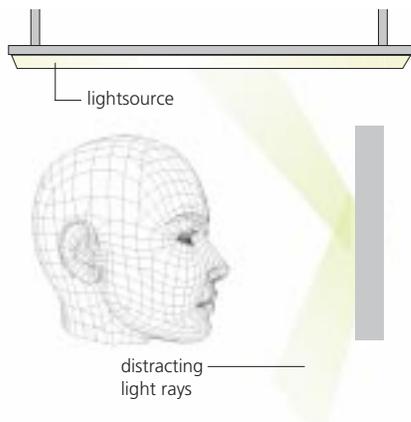


Fig. 2 MultiSync FE Series totally flat CRT



The MultiSync IntelliBase™ Series

Fast and easy USB device connections, dynamic audio output, true Plug and Play compatibility—whatever the need, NEC Technologies IntelliBase Series delivers intelligent solutions.

The MultiSync IntelliBase Series, co-developed by Altec Lansing®, features three adjustable tilt/swivel bases that replace MultiSync FE Series monitor bases. (The MultiSync IntelliBase is compatible with the MultiSync FE700, FE750, FE950 and FE1250 CRT monitors.)

IntelliBase USB Hub boasts one upstream and four self-powered downstream USB ports for quick, simple and convenient device connections.

IntelliBase Audio delivers powerful sound with its full-range speaker system with subwoofer.

IntelliBase USB Hub & Audio includes all the features of IntelliBase USB Hub and IntelliBase Audio, plus True Digital Audio™, on-screen sound adjustment and digital microphone connection and support capabilities.

The MultiSync IntelliBase Series and MultiSync FE Series monitors are sold separately.

Unlike traditional curved-screen CRTs (Fig 1), the innovative design of the MultiSync FE Series CRT deflects glare from overhead lighting, away from users, for a more comfortable and productive viewing experience (Fig 2).

The Flat Difference.

MultiSync FE Series monitors vs. traditional curved-screen CRT monitors.*

85% Less Glare:

For less eyestrain, less fatigue

500% Less Reflection:

Minimizes distractions for improved efficiency

Nearly 3X Greater Image Sharpness:

Delivers improved clarity, precision and accuracy

Over 300% Higher Contrast Ratio:

Enhances legibility and fine detail

Over 300% Better Brightness Uniformity:

For consistent, true-to-life images

Enhanced Edge-To-Edge Clarity:

Accurately represents detail across entire display

*Based on tests conducted on the MultiSync FE Series and traditional curved-screen CRTs from other manufacturers.



Flat screens for everyone.

MultiSync FE700, FE700M, FE750, FE950, and FE1250 Specifications

Model # FE700, FE700M, FE750, FE950, FE1250

Model	FE700	FE700M with Multimedia base†	FE750	FE950	FE1250
Picture Tube: Diagonal Viewable Image Size Radius Notes	17in./43cm 16in./41cm 50,000mm 90° deflection, 0.25mm grille pitch, medium short persistence phosphor, aperture grille CRT, multi-layered, anti-static coating, dark-tint screen and OptiClear® screen surface	17in./43cm 16in./41cm 50,000mm 90° deflection, 0.25mm grille pitch, medium short persistence phosphor, aperture grille CRT, multi-layered, anti-static coating, dark-tint screen and OptiClear® screen surface	17in./43cm 16in./41cm 50,000mm 90° deflection, 0.25mm grille pitch, medium short persistence phosphor, aperture grille CRT, multi-layered, anti-static coating, dark-tint screen and OptiClear® screen surface	19in./48.3cm 18in./45.8cm 57,800mm 90° deflection, 0.25-27mm (variable) grille pitch, medium short persistence phosphor, aperture grille CRT, multi-layered, anti-static coating, semi-dark-tint screen and OptiClear® screen surface	22in./55.8cm 20in./50.8cm 57,800mm 90° deflection, 0.25-0.27mm (variable) grille pitch, medium short persistence phosphor, aperture grille CRT, multi-layered, anti-static coating, semi-dark-tint screen and OptiClear® screen surface
Input signal: Video Sync	Analog 0.7 Vp-p/75 ohms Separate sync TTL level Horizontal sync positive/negative Vertical sync positive/negative Composite sync (positive/negative) (TTL Level)	Analog 0.7 Vp-p/75 ohms Separate sync TTL level Horizontal sync positive/negative Vertical sync positive/negative Composite sync (positive/negative) (TTL Level)	Analog 0.7 Vp-p/75 ohms Separate sync TTL level Horizontal sync positive/negative Vertical sync positive/negative Composite sync (positive/negative) (TTL Level)	Analog 0.7 Vp-p/75 ohms Separate sync TTL level Horizontal sync positive/negative Vertical sync positive/negative Composite sync (positive/negative) (TTL Level)	Analog 0.7 Vp-p/75 ohms Separate sync TTL level Horizontal sync positive/negative Vertical sync positive/negative Composite sync (positive/negative) (TTL Level) Sync On Green video (positive) 0.7 Vp-p and sync (negative) 0.3 Vp-p
Display Colors: Analog Input	Unlimited number of colors Depends on display card used	Unlimited number of colors Depends on display card used	Unlimited number of colors Depends on display card used	Unlimited number of colors Depends on display card used	Unlimited number of colors Depends on display card used
Synchronization Range: Horizontal Vertical Resolutions Supported (Resolution based on horizontal and vertical frequencies only)	31kHz–70kHz Automatically 55Hz–120Hz Automatically 640 x 480 @ 60 – 120Hz 800 x 600 @ 55 – 110Hz 832 x 624 @ 55 – 105Hz 1024 x 768 @ 55 – 87Hz* 1152 x 870 @ 55 – 77Hz 1280 x 1024 @ 55– 66Hz Some systems may not support all modes listed. NEC cites recommended resolution at 85Hz for optimal display performance.	31kHz–70kHz Automatically 55Hz–120Hz Automatically 640 x 480 @ 60 – 120Hz 800 x 600 @ 55 – 110Hz 832 x 624 @ 55 – 105Hz 1024 x 768 @ 55 – 87Hz* 1152 x 870 @ 55 – 77Hz 1280 x 1024 @ 55– 66Hz Some systems may not support all modes listed. NEC cites recommended resolution at 85Hz for optimal display performance.	31kHz–92kHz Automatically 55Hz–160Hz Automatically 640 x 480 @ 60 – 160Hz 800 x 600 @ 55 – 141Hz 832 x 624 @ 55 – 136Hz 1024 x 768 @ 55 – 114Hz 1152 x 870 @ 55 – 99Hz 1280 x 1024 @ 55– 85Hz* 1600 x 1200 @ 55 – 73 Hz Some systems may not support all modes listed. NEC cites recommended resolution at 85Hz for optimal display performance.	31kHz–96kHz Automatically 55Hz–160Hz Automatically 640 x 480 @ 60 – 160Hz 800 x 600 @ 55 – 152Hz 832 x 624 @ 55 – 146Hz 1024 x 768 @ 55 – 119Hz 1152 x 870 @ 55 – 104Hz 1280 x 1024 @ 55– 89Hz* 1600 x 1200 @ 55 – 76 Hz 1792 x 1344 @ 55 – 68Hz Some systems may not support all modes listed. NEC cites recommended resolution at 85Hz for optimal display performance.	31kHz–110kHz Automatically 55Hz–160Hz Automatically 640 x 480 @ 60 – 160Hz 800 x 600 @ 55 – 160Hz 832 x 624 @ 55 – 160Hz 1024 x 768 @ 55 – 136Hz 1152 x 870 @ 55 – 120Hz 1280 x 1024 @ 55– 102Hz 1600 x 1200 @ 55 – 88Hz* 1792 x 1344 @ 55 – 78Hz 1800 x 1440 @ 55 – 73Hz 1856 x 1392 @ 55 – 75Hz 1920 x 1440 @ 55 – 73Hz Some systems may not support all modes listed. NEC cites recommended resolution at 85Hz for optimal display performance.
Active Display Area (Factory Setting): Horizontal Vertical	12.4in. / 315mm 9.3in. / 236mm Dependent upon signal timing used, and does not include border area.	12.4in. / 315mm 9.3in. / 236mm Dependent upon signal timing used, and does not include border area.	12.4in. / 315mm 9.3in. / 236mm Dependent upon signal timing used, and does not include border area.	14.0in. / 356mm 10.5in. / 267mm Dependent upon signal timing used, and does not include border area.	15.6in. / 396mm 11.7in. / 297mm Dependent upon signal timing used, and does not include border area.
Active Display Area (Full Scan): Horizontal Vertical	12.8in. / 325mm 9.6in. / 243.8mm Dependent upon signal timing used, and does not include border area.	12.8in. / 325mm 9.6 in. / 243.8mm Dependent upon signal timing used, and does not include border area.	12.8in. / 325mm 9.6in. / 243.8mm Dependent upon signal timing used, and does not include border area.	14.4in. / 366mm 10.8in. / 275mm Dependent upon signal timing used, and does not include border area.	16.0in. / 406mm 12.0in. / 305mm Dependent upon signal timing used, and does not include border area.
Power Supply	AC100 – 120V / 220–240V, 50/60Hz	AC100 – 120V / 220–240V, 50/60Hz	AC100 – 120V / 220–240V, 50/60Hz	AC100 – 120V / 220–240V, 50/60Hz	AC100 – 120V / 220–240V, 50/60Hz
Current Rating	1.8A @ 100–120V / 1.0A @ 220–240V	1.8A @ 100–120V / 1.0A @ 220–240V	1.1A @ 100–120V / 0.5A @ 220–240V	1.2A @ 100–120V / 0.6A @ 220–240V	1.4A @ 100–120V / 0.7A @ 220–240V
Dimensions	15.9in.(W) x 16.8in.(H) x 16.7in.(D) 403mm(W) x 427mm(H) x 424mm(D)	15.9in.(W) x 16.8in.(H) x 16.in.(D) 403mm(W) x 427mm(H) x 424mm(D)	15.9in(W) x 16.8 in(H) x 16.7in.(D) 403mm(W) x 427mm(H) x 424mm(D)	17.4in(W) x 18.0in.(H) x 17.6in(D) 442mm(W) x 456mm(H) x 447mm(D)	19.0in(W) x 19.7in(H) x 18.6in(D) 483mm(W) x 501mm(H) x 472mm(D)
Weight	41.9lbs. / 19.0kg	41.9lbs. / 19.0kg	44.1 lbs. / 20.0kg	53.6 lbs. / 24.3kg	70.5 lbs. / 32.0kg
Regulatory Approvals	UL 1950, CSA C22.2 No. 950, FCC Rules Part 15 Class B, DHHS Rules 21 CFR Sub-Chapter J, MPR-II, EPA Energy Star, ISO-9241-3, NUTEK, TCO-99, CE, TUV	UL 1950, CSA C22.2 No. 950, FCC Rules Part 15 Class B, DHHS Rules 21 CFR Sub-Chapter J, MPR-II, EPA Energy Star, ISO-9241-3, NUTEK, TCO-99, CE, TUV	UL 1950, CSA C22.2 No. 950, FCC Rules Part 15 Class B, DHHS Rules 21 CFR Sub-Chapter J, MPR-II, EPA Energy Star, ISO-9241-3, NUTEK, TCO-99, CE, TUV	UL 1950, CSA C22.2 No. 950, FCC Rules Part 15 Class B, DHHS Rules 21 CFR Sub-Chapter J, MPR-II, EPA Energy Star, ISO-9241-7, NUTEK, TCO-99, CE, TUV	UL 1950, CSA C22.2 No. 950, FCC Rules Part 15 Class B, DHHS Rules 21 CFR Sub-Chapter J, MPR-II, EPA Energy Star, ISO-9241-8, NUTEK, TCO-99, CE, TUV
Limited Warranty	3 years CRT, parts and labor	3 years CRT, parts and labor	3 years CRT, parts and labor	3 years CRT, parts and labor	3 years CRT, parts and labor

†Specifications for Multimedia Base of MultiSync FE700M™ Monitor

Speakers	Two 2.2in. / 57mm full range
Power	1 + 1 Watts @ 8 Ohms with 10% THD
Input Impedance	>10k Ohms
Input Sensitivity	500mV input for full output
Frequency Response	150Hz – 10kHz
Power Requirements	AC100 – 240V
Current Rating	3.15A (Audio 0.15A. AC OUT 3A)
Headphone Jack Type	3.5mm Stereo
Audio Input Plug Type	3.5mm Stereo
Dimensions	10.2in. x (W) x 1.8in. (H) x 9.5in. (D) 260mm (W) x 45mm (H) x 243mm (D)
Weight (base only)	1.6lbs. / 0.72kg
System Hardware Requirements	PC or Mac with sound capabilities

For the location of the MultiSync FE monitor dealer nearest you or for more information on MultiSync FE monitors, call <http://flat.nectech.com> or call 1-800-NEC-INFO. To speak to a MultiSync FE monitor customer service representative, call 1-800-836-0655 or email tech support at tech-support@nectech.com.

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NEC Technologies, Inc.
1250 N. Arlington Heights Road
Itasca, Illinois 60143-1248



NEC Technologies