

NEC

MULTISYNC® FE+™ FAMILY

MultiSync FE700+, FE700M+, FE750+, FE950+, FE1250+



Totally flat-screen monitors with

ENHANCED

features and performance for business and home office users

In today's business world, unavoidable distractions such as phone calls or unscheduled meetings are bothersome, yet unavoidable, staples. At least professionals can count on NEC MultiSync FE+ Series CRT monitors to ensure an interruption-free and enjoyable visual experience, day in and day out. Utilizing NEC's flat aperture grille CRT technology, the MultiSync FE+ Series virtually eliminates disturbances such as reflection, glare and distortion while delivering crisp, bright and colorful images that users won't want to take their eyes off. Above all, the series allows users to focus on what's most important—getting the job done...and done right.

The series, which includes the 17" (16" VIS) MultiSync FE700+, 17" (16" VIS) multimedia-enhanced MultiSync FE700M+, 17" (16" VIS) MultiSync FE750+, 19" (18" VIS) MultiSync FE950+ and 22" (20" VIS) MultiSync FE1250+, is ideal for performance-driven business and home users seeking a reliable and innovative monitor solution. Users also can take advantage of the series' great value, which is driven by a total cost of ownership (TCO) much lower than its competitors.

Features that provide attention-grabbing screen performance include:

Flat-screen technology. Utilizing NEC's flat aperture grille CRT technology, the MultiSync FE+ Series provides a variety of benefits not offered by conventional flat square and traditional aperture grille CRTs. Compared to traditional curved-screen CRT monitors, flat-screen monitors provide less glare for reduced eyestrain and fatigue; less reflection; nearly three times greater image sharpness for improved clarity, precision and accuracy; a higher contrast ratio for enhanced legibility and fine detail; and better brightness uniformity for consistent, true-to-life images. All of these benefits add up to a more enjoyable and comfortable visual experience.

An enhanced viewing experience. The OptiClear® screen surface absorbs a portion of the ambient light hitting the screen while allowing the screen image to be displayed without distortion. It also further reduces glare and reflection while enhancing the original contrast and clarity. The benefits of this surface are complemented by NEC's award-

winning display that delivers outstanding focus, purity and bright colors.

Enhanced edge-to-edge clarity. View images at their best with true-to-life representation to the very edge of the screen, without a distracting black border.

Outstanding color clarity, purity and brightness. The exclusive AccuColor® control system allows users to adjust the monitors' red, green and blue color guns in precise digital steps. It also allows users to change the on-screen colors to closely match a variety of standards such as Pantone® and TruMatch®, printer output, another monitor or a personal preference.

Better color-matching capabilities. To provide a consistent color environment for applications that benefit from uniform and faithful color representations, such as web-based commerce, the monitors' RGB capabilities support a new standard in color-matching.

Quick Specs



Multisync® FE+ Series	FE700+/FE700M+	FE750+	FE950+	FE1250+
Viewable Size	16 in./41 cm	16 in./41 cm	18 in./45.8 cm	20 in./50.8 cm
Grille Pitch	0.25 mm	0.25 mm	0.25 - 0.27 mm (variable)	0.24 mm
Max. Resolution	1280 x 1024 @66Hz	1600 x 1200 @76Hz	1792 x 1344 @68Hz	1920 x 1440 @72 Hz
Horizontal Frequency	31kHz to 70kHz Automatically	31kHz to 96kHz Automatically	30kHz to 96kHz Automatically	30kHz to 110kHz Automatically

Simplified control of screen settings.

MultiSync FE+ Series monitors feature NEC's fourth-generation On Screen Manager (OSM[®]) on-screen controls for the most precise monitor adjustments available. A touch of the up-front controls activates the OSM, giving the user access to a comprehensive set of adjustments and an expanded display mode with monitor information such as vertical refresh rate, model number and serial number. With its multitude of presets, the series is virtually ready to go—right out of the box. The monitors also are DDC/CI-ready for future compatibility with NEC-Mitsubishi Electronics Display's NaViSet™. The introduction of this interactive display settings control software will present screen setting controls as an even easier-to-use intuitive graphical interface. By working toward an industry standard with Microsoft and the foremost graphics card companies, NEC-Mitsubishi has assumed a leading role in the development and implementation of this technology.

Stretch out your investment. The MultiSync FE+ Series CRT monitors are smart investments, and due in large part to their significantly reduced power consumption, total cost of ownership (TCO) can be greatly reduced. The monitors' high quality, easy set up and operation, reliable performance and comprehensive service, result in less time spent completing tasks and a reduction in repairs and money spent on them, further adding to a lower TCO.

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.

A more compact, smarter cabinet design.

Recognizing professional monitor users' growing needs for increased desktop space, the MultiSync FE+ Series monitors feature a space-saving cabinet design with recessed cable connections that allows users to situate their monitors in tight spaces or directly against flat surfaces. ErgoDesign enhancements, which include a tilt/swivel base that easily adjusts to each user's preferred angle of vision, further increase comfort, productivity and ease of use.

More cabinet color options. To help users better match their systems or laptops, both the NEC MultiSync FE700+ and MultiSync FE950+ are available in white or black cabinet colors.

Enhance your listening experience with multimedia capabilities. The multimedia capabilities of the NEC MultiSync FE700M+ make this monitor one of the most functional models available. With its integrated audio base, which provides quality sound for today's multimedia applications, the space required for separate external speakers is eliminated. The monitor's audio base also includes a headphone jack for private listening.

An overall lighter load. Not only does the value-driven MultiSync FE+ Series go lighter on your budget, it also has benefited from a sizeable decrease in weight from its previous design.

Warranty and support provide assurance.

You can rest easier knowing that NEC-Mitsubishi is available 24 hours a day, 7 days a week for technical support, and a 3-year warranty on all models guarantees your satisfaction.

Features and Benefits

Superior Flat Screen Performance.

Users experience less eyestrain and more enjoyment with the flat aperture grille CRT's sharp, bright images and reduced glare and reflection

Dynamic Cabinet Design.

A shorter, compact cabinet with recessed cable connections frees up valuable desktop space

Comprehensive Screen Adjustments.

Gain complete control of your screen settings, including extensive color adjustments, with NEC's intuitive On Screen Manager control system

Exclusive OptiClear[®] Screen Surface.

An optical-quality screen treatment virtually eliminates glare, while enhancing focus and contrast and preventing dust build up

Multimedia Capabilities.

The MultiSync FE700M+ comes equipped with an integrated audio base, providing quality sound

Plug and Play Compatibility.

Monitor capabilities such as screen size, refresh rates and resolutions supported are sent directly to the user's computer system

Industry-leading Brand.

A trusted leader among business users, NEC-Mitsubishi provides the assurance of owning a monitor by a recognized leader in display technology

SEE MORE.

MultiSync FE+ Series Specifications

Model	MultiSync FE700+, FE700M+†	MultiSync FE750+	MultiSync FE950+	MultiSync FE1250+
Model#/(Cabinet Color)	FE700+ (White) FE700+BK (Black) FE700M+ (White Multimedia)	FE750+ (White)	FE950+ (White) FE950+BK (Black)	FE1250+ (White)
Picture Tube Diagonal Viewable Image Size Radius Notes	17 in./43 cm 16 in./41 cm 50,000 mm 90° deflection, 0.25 mm grille pitch, medium short persistence phosphor, aperture grille CRT, multi-layered, anti-static coating, dark-tint screen and OptiClear® screen surface	17 in./43 cm 16 in./41 cm 50,000 mm 90° deflection, 0.25 mm grille pitch, medium short persistence phosphor, aperture grille CRT, multi-layered, anti-static coating, dark-tint screen and OptiClear® screen surface	19 in./48.3 cm 18 in./45.8 cm 57,800 mm 90° deflection, 0.25 - 0.27mm (variable) grille pitch, medium short persistence phosphor, aperture grille CRT, multi- layered, anti-static coating, dark-tint screen and OptiClear® screen surface	22 in./55.8 cm 20 in./50.8 cm 57,800 mm 90° deflection, 0.24mm grille pitch, medium short persistence phosphor, aperture grille CRT, multi-layered, anti-static coating, 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)
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
Synchronization Range Horizontal Vertical Resolutions Supported (Resolution based on horizontal and vertical frequencies only)	31kHz to 70kHz Automatically 55Hz to 120Hz Automatically 640 x 480 @ 60Hz to 120Hz 800 x 600 @ 55Hz to 110Hz 832 x 624 @ 55 Hz to 105Hz 1024 x 768 @ 55Hz to 87Hz 1152 x 870 @ 55Hz to 77Hz 1280 x 1024 @ 55Hz to 66Hz Some systems may not support all modes listed. NEC cites recommended resolution at 85Hz for optimal display performance.	31kHz to 96kHz Automatically 55Hz to 160Hz Automatically 640 x 480 @ 60 to 160Hz 800 x 600 @ 55 to 146Hz 832 x 624 @ 55 to 141Hz 1024 x 768 @ 55 to 116Hz 1152 x 870 @ 55 to 103Hz 1280 x 1024 @ 55 to 89Hz 1600 x 1200 @ 55 to 76Hz	30kHz to 96kHz Automatically 50Hz to 160Hz Automatically 640 x 480 @ 60 to 160Hz 800 x 600 @ 55 to 146Hz 832 x 624 @ 55 to 141Hz 1024 x 768 @ 55 to 116Hz 1152 x 870 @ 55 to 103Hz 1280 x 1024 @ 55 to 89Hz 1600 x 1200 @ 55 to 76Hz 1792 x 1344 @ 55 to 68Hz	30kHz to 110kHz Automatically 50Hz to 160Hz Automatically 640 x 480 @ 50 to 160Hz 800 x 600 @ 50 to 160Hz 1024 x 768 @ 50 to 132Hz 1280 x 1024 @ 50 to 101Hz 1600 x 1200 @ 50 to 87Hz 1792 x 1344 @ 50 to 78Hz 1920 x 1440 @ 50 to 72 Hz
Active Display Area (factory settings) Horizontal Vertical	12.4 in./315 mm 9.3 in./236 mm Dependent upon signal timing used, and does not include border area.	12.4 in./315 mm 9.3 in./236 mm	13.8 in./350 mm 10.3 in./262 mm	15.6 in./396 mm 11.7 in./297 mm
Active Display Area (full scans) Horizontal Vertical	12.8 in./325 mm 9.6 in./243.8 mm Dependent upon signal timing used, and does not include border area.	12.8 in./325 mm 9.6 in./243.8 mm	13.9 in./354 mm 10.5 in./265.5 mm	16.0 in./406 mm 12.0 in./305 mm
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
Current Rating	1.8A @ 100–120V / 1.0A @ 220–240V	1.8A @ 100–120V / 1.0A @ 220–240V	1.8A @ 100–120V / 1.0A @ 220–240V	1.8A @ 100–120V / 1.0A @ 220–240V
Dimensions	15.7"(W) x 16.3"(H) x 16.4"(D) (FE700+) 399mm(W) x 414mm(H) x 417mm(D) 15.7"(W) x 17.0"(H) x 16.4"(D) (FE700M+) 399mm(W) x 432mm(H) x 417mm(D)	15.7"(W) x 16.3"(H) x 16.4"(D) 399mm(W) x 414mm(H) x 417mm(D)	17.4"(W) x 17.7"(H) x 17.5"(D) 442mm(W) x 450mm(H) x 445mm(D)	19.5"(W) x 19.4"(H) x 18.6"(D) 495mm(W) x 493mm(H) x 472mm(D)
Weight	36.4 lbs./16.5kg (FE700+) 37.9lbs./17.2kg (FE700M+)	41.9lbs./19.0kg	50.7lbs./23.0kg	66.0lbs./29.9kg
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 (FE700+BK TCO-95), 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 (FE950+BK TCO-95), 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
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
Technical Support	24 hours/7 days	24 hours/7 days	24 hours/7 days	24 hours/7 days

†Specifications for MultiSync FE700M+™ Multimedia Base

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

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