

NEC AccuSync™ CRT Series

CRT monitors ideal for home users, small-to-medium businesses and educational settings



Monitors with flexible options, value and **innovation** to enhance your digital world.

For small-to-medium-sized businesses, home offices and government and education environments, AccuSync Series monitors deliver excellent image quality and easy-to-use features at an exceptional value. This flexible series offers a variety of sizes and options to accommodate virtually every user's needs.

The full line includes 15", 17", 19" and 21" models and a multimedia version available in a 17" screen size, delivering excellent sound quality for public or private listening. The 17" AccuSync 750F features flat-screen technology for an enhanced visual experience.

Excellent image quality optimizes today's sophisticated applications. All members of the AccuSync family deliver outstanding screen performance with crisp, sharp, accurate images that enable comfortable viewing of text and graphics-intensive applications. AccuSync Series monitors feature fine dot pitches for clear, easy-to-read text and graphics and high-resolution support for more on-screen information.

They offer super-high refresh rates up to 160 Hz for stable, flicker-free images that can ease eye-strain and make viewing more comfortable. Their FullScan™ capability also offers edge-to-edge images without a functionless black border, providing users with a maximum area to work or play.

The added advantage of flat. The advanced design of the AccuSync 750F flat-screen model doesn't simply improve image quality, it ensures significantly less glare, reflection and distortion than traditional curved screens. The innovative design of the ClearFlat™ shadow mask CRT deflects glare from overhead lighting away from users so that what they see on-screen is as realistic and lifelike as what they see on their printed output. This results in reduced eye-strain, less fatigue and improved comfort and productivity. The AccuSync 750F—an additional alternative in this full line of value-minded monitors, with sizes, features and options to meet a wide variety of needs at a range of outstanding price points.

Dual Dynamic Beam Focus. This technology provides precise, continuous focus adjustments for optimum picture quality (feature not available on the 15" model).

Plug and Play compatibility enables easier setup and improves performance. To minimize setup and installation time with Windows® 95/98/2000/Me/XP, AccuSync Series monitors feature Plug and Play compatibility. Plug and Play allows the monitor to identify its capabilities—such as screen size and resolutions supported by your computer. Display performance is automatically optimized by providing the best match between the capabilities of your monitor and your computer.

ENERGY STAR® and NUTEK compliance saves energy costs. AccuSync Series monitors include the NEC Intelligent Power Manager™ (IPM) system, which allows the monitor to shift to a lower power consumption level when not in use. This can save up to two-thirds of your monitor energy costs while your monitor is idling.

Quick Specs



AccuSync Series	500	700	700M	750F	900
Screen Size	15" (14" VIS)	17" (16" VIS)	17" (16" VIS)	17" (16" VIS)	19" (18" VIS)
Dot Pitch	0.27/0.23mm horizontal	0.27/0.23mm horizontal	0.27/0.23mm horizontal	0.24/0.21mm horizontal	0.25/0.21mm horizontal
Max. Resolution	1280 x 1024 @ 66 Hz	1280 x 1024 @ 66 Hz	1280 x 1024 @ 66 Hz	1280 x 1024 @ 66 Hz	1600 x 1200 @ 76 Hz
Horizontal Frequency	30–71 kHz	30–71 kHz	30–71 kHz	30–71 kHz	30–98 kHz

Featured on the AccuSync 700M, integrated speakers deliver outstanding sound quality and free up desk space. Multimedia performance—just one of the value-minded options in the full AccuSync line.



(To realize the benefits of the IPM system, your monitor must be used with a computer display card or software utility that is VESA DPMS compliant.)

PC and Macintosh® compatibility adds flexibility for the future. AccuSync Series monitors are fully compatible with PC and Macintosh computers, giving you the flexibility to change platforms or use both without having to purchase a second monitor. In addition, AccuSync monitors are compatible with a variety of resolutions, ensuring that your monitor will grow with you as your needs change.

ErgoDesign® enhancements increase comfort, productivity and ease of use. AccuSync Series monitors are designed according to NEC ErgoDesign philosophy. ErgoDesign enhancements

adapt technology to the way you work, resulting in increased comfort and ease of use.

Asset management capability assists managers. AccuSync 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.

NEC designs all AccuSync monitors with total cost of ownership (TCO) in mind. From superior product support to excellent compatibility, from energy-efficient technologies to a comprehensive 3-year limited warranty, all facets of NEC AccuSync monitors have been engineered to maximize performance while minimizing TCO.

Series Features and Benefits

ClearFlat shadow mask CRT (AccuSync 750F) delivers an outstanding screen performance with a virtually flat image, eliminating distortion and reducing glare so that what you see on-screen is as realistic and lifelike as what you see on your printed output

Outstanding screen performance provides you with a more comfortable visual experience with crisp, sharp and accurate images

Flexible options in screen sizes and types, advanced technologies, cabinet colors and multimedia capabilities allow you to match your display needs

FullScan capabilities let you view images at their best, with true-to-life representation to the very edge of the screen and no distracting black border

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

PC and Macintosh compatibility allows for flexible system support with multiple resolutions

Exclusive OptiClear® screen surface virtually eliminates glare while enhancing focus and contrast and preventing dust buildup

Fine dot pitches create crisp, easy-to-read text and graphics

NEC quality and reliability provide peace of mind with a 3-year limited parts and labor warranty and 24/7 customer service and technical support



120
21" (20" VIS)
0.25/0.22mm horizontal
1600 x 1200 @ 76 Hz
30-98 kHz

NEC AccuSync 500, 700, 700M, 750F, 900, 120 Specifications

Model	AS500	AS700	AS700M	AS750F	AS900	AS120
Display Viewable Image Size Notes	14"/35.5 cm 15" CRT	16"/40.7 cm 17" CRT	16"/40.7 cm 17" CRT	16"/40.6 cm 17" CRT	18"/45.7 cm 19" CRT	20"/50.8 cm 21" CRT
CRT Type	FST (Shadow Mask) CRT	FST (Shadow Mask) CRT	FST (Shadow Mask) CRT	FCDT (Flat Mask) CRT	FST (Shadow Mask) CRT	FST (Shadow Mask) CRT
Synchronization Range Horizontal Vertical	30-71 kHz 50-120 Hz	30-71 kHz 50-120 Hz	30-71 kHz 50-120 Hz	30-71 kHz 50-120 Hz	30-98 kHz 50-160 Hz	30-98 kHz 55-160 Hz
Pixel Clock	110 MHz	110 MHz	110 MHz	110 MHz	203 MHz	208 MHz
Resolutions Supported	640 x 480 @ 50-120 Hz 800 x 600 @ 50-110 Hz 832 x 624 @ 50-106 Hz 1024 x 768 @ 50-87 Hz 1152 x 870 @ 50-77 Hz 1280 x 1024 @ 50-66 Hz	640 x 480 @ 50-120 Hz 800 x 600 @ 50-110 Hz 832 x 624 @ 50-106 Hz 1024 x 768 @ 50-87 Hz 1152 x 870 @ 50-77 Hz 1280 x 1024 @ 50-66 Hz	640 x 480 @ 50-120 Hz 800 x 600 @ 50-110 Hz 832 x 624 @ 50-106 Hz 1024 x 768 @ 50-87 Hz 1152 x 870 @ 50-77 Hz 1280 x 1024 @ 50-66 Hz	640 x 480 @ 50-120 Hz 800 x 600 @ 50-110 Hz 832 x 624 @ 50-106 Hz 1024 x 768 @ 50-87 Hz 1152 x 870 @ 50-77 Hz 1280 x 1024 @ 50-66 Hz	640 x 480 @ 50-160 Hz 800 x 600 @ 50-153 Hz 832 x 624 @ 50-144 Hz 1024 x 768 @ 50-105 Hz 1152 x 870 @ 50-105 Hz 1280 x 1024 @ 50-89 Hz 1600 x 1200 @ 50-76 Hz	640 x 480 @ 60-188 Hz 800 x 600 @ 55-152 Hz 832 x 624 @ 55-144 Hz 1024 x 768 @ 55-119 Hz 1152 x 870 @ 55-105 Hz 1280 x 1024 @ 55-89 Hz 1600 x 1200 @ 55-76 Hz
Maximum Resolution Recommended Resolution	1280 x 1024 @ 66 Hz 1024 x 768 @ 85 Hz	1280 x 1024 @ 66 Hz 1024 x 768 @ 85 Hz	1280 x 1024 @ 66 Hz 1024 x 768 @ 85 Hz	1280 x 1024 @ 66 Hz 1024 x 768 @ 85 Hz	1600 x 1200 @ 76 Hz 1280 x 1024 @ 85 Hz	1600 x 1200 @ 76 Hz 1280 x 1024 @ 85 Hz
Additional Features	On Screen Manager (OSM), Plug and Play protocol (DDC2B), 2 color presets, parallelogram, pincushion, trapezoid, tilt, brightness, contrast, Intelligent Power Manager (IPM), Reduced Magnetic Field Technology, AccuColor controls, FullScan Capability	On Screen Manager (OSM), Plug and Play protocol (DDC2B), 2 color presets, parallelogram, pincushion, trapezoid, tilt, brightness, contrast, Intelligent Power Manager (IPM), Reduced Magnetic Field Technology, AccuColor controls, FullScan Capability	On Screen Manager (OSM), Plug and Play protocol (DDC2B), 2 color presets, parallelogram, pincushion, trapezoid, tilt, brightness, contrast, Intelligent Power Manager (IPM), Reduced Magnetic Field Technology, AccuColor controls, FullScan Capability	On Screen Manager (OSM), Plug and Play protocol (DDC2B), 2 color presets, parallelogram, pincushion, trapezoid, tilt, brightness, contrast, Intelligent Power Manager (IPM), Reduced Magnetic Field Technology, AccuColor controls, FullScan Capability	On Screen Manager (OSM), Plug and Play protocol (DDC2B), 2 color presets, parallelogram, pincushion, trapezoid, tilt, brightness, contrast, Intelligent Power Manager (IPM), Reduced Magnetic Field Technology, AccuColor controls, FullScan Capability	On Screen Manager (OSM), Plug and Play protocol (DDC2B), 2 color presets, parallelogram, pincushion, trapezoid, tilt, brightness, contrast, Intelligent Power Manager (IPM), Reduced Magnetic Field Technology, AccuColor controls, FullScan Capability
Display Colors	More than 16 million	More than 16 million	More than 16 million	More than 16 million	More than 16 million	More than 16 million
Power Supply	100-240 VAC, 50-60 Hz, 1.5 A	100-240 VAC, 50-60 Hz, 2.0 A	100-240 VAC, 50-60 Hz, 2.0 A	100-240 VAC, 50-60 Hz, 2.0 A	100-240 VAC, 50-60 Hz, 2.0 A	100-240 VAC, 50-60 Hz, 2.0 A
Power Consumption	63 W	73 W	73 W	83 W	83 W	140 W
USB Capability	None	None	None	None	None	None
Input	15 pin d-Sub	15 pin d-Sub	15 pin d-Sub	15 pin d-Sub	15 pin d-Sub	15 pin d-Sub
Dimensions (W x H x D)	14.2 x 15.3 x 15.4" 360 x 389 x 392mm (w/stand)	15.7 x 15.6 x 16.5" 400 x 395 x 420mm (w/stand)	17.7 x 15.4 x 16.3" 450 x 392 x 415mm (w/stand)	15.7 x 15.9 x 16.9" 400 x 404 x 429mm (w/stand)	17.6 x 17.9 x 18.5" 448 x 454 x 470mm (w/stand)	19.6 x 20.1 x 20.2" 498 x 510 x 512mm (w/stand)
Weight Net Weight Gross Weight	27.3 lbs/12.4 kg (w/stand) 32.2 lbs/14.6 kg (w/carton)	31.1 lbs/14.1 kg (w/stand) 36.6 lbs/16.6 kg (w/carton)	33.5 lbs/15.2 kg (w/stand) 40.1 lbs/18.2 kg (w/carton)	34.2 lbs/15.5 kg (w/stand) 40.8 lbs/18.5 kg (w/carton)	40.8 lbs/18.5 kg (w/stand) 47.4 lbs/21.5 kg (w/carton)	66.1/30.0 kg (w/stand) 77.0 lbs/35.0 kg (w/carton)
Signal Cable	Yes (1.5m)	Yes (1.5m)	Yes (1.5m)	Yes (1.5m)	Yes (1.5m)	Yes (1.8m)
Regulatory Approvals	UL, C-UL, TUV-GS, CE, FCC, DOC, DHHS, PTB, MPR-II, Energy Star, TUV-Ergo	UL, C-UL, TUV-GS, CE, FCC, DOC, DHHS, PTB, MPR-II, Energy Star, TUV-Ergo	UL, C-UL, TUV-GS, CE, CB, FCC, DOC, DHHS, PTB, MPR-II, Energy Star, TUV-Ergo	UL, C-UL, TUV-GS, CE, FCC, DOC, DHHS, PTB, MPR-II, Energy Star, TUV-Ergo	UL, C-UL, TUV-GS, CE, FCC, DOC, DHHS, PTB, MPR-II, Energy Star, TUV-Ergo	UL, C-UL, TUV-GS, FCC, DHHS, CRA, CSA, MPR-II, EnergyStar
Limited Warranty	3 years parts and labor	3 years parts and labor	3 years parts and labor	3 years parts and labor	3 years parts and labor	3 years parts and labor
Technical Support	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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