PROFESSIONAL SERIES

NEC

MULTISYNC FP1350X™

WITH AMBIX TECHNOLOGY

MultiSync® FP1350X™	
Screen/Viewable Size	22"/20"
Max Resolution	1920 x 1440
Horizontal Frequency	31 to 115 kHz

Superior, professional-level precision plus revolutionary compatibility. The MultiSync FP1350X combines the uncompromising precision found in all NEC MultiSync FP Series monitors with the advantages of Ambix technology for an outstanding investment in a professional-level large-screen CRT.

Like all FP Series models, the 22" MultiSync FP1350X monitor (20" viewable image size) is the new standard for precision. It is ideal for users whose work demands high-end performance, including applications such as CAD/CAM, graphic design, desktop publishing, animation, document imaging, pre-press, medical imaging and web design.

Equipped with Ambix technology, the MultiSync FP1350X also delivers unprecedented compatibility. Ambix technology bridges the gap between analog and digital systems by allowing the same monitor to work seamlessly in either environment, quickly and easily from a single DVI-I connector. In addition, the MultiSync FP1350X delivers flexible system support with multiple resolutions compatible with most PC and Macintosh models. Equipped with dual inputs, the MultiSync FP1350X allows you to connect your monitor to two systems utilizing the analog (VGA) connection and the analog/digital (DVI-I) connection.

Packed with advanced features that put you in control.

Digital signal processing (DSP). Fine tune specific areas of your screen without affecting the rest of your image. Or choose to use the high-performance out-of-box settings carefully adjusted on the manufacturing line.

USB control. Windows® 98 users can adjust, save, and recall numerous monitor settings—a useful feature in multi-user environments.

Convergence control. Tame misconvergence with individual horizontal and vertical control of the monitor's red, green and blue guns, plus precise area convergence adjustments of the top and bottom sections of the screen via DSP.

Color purity. With five precise adjustments available, the exclusive GlobalSync® system counteracts the effects of the earth's magnetic field for outstanding color purity.

The MultiSync® FP1350X Difference.

The MultiSync FP1350X employs the latest in CRT technology to deliver a host of advantages. With true flat aperture grille technology, what you see is what you get. The Ambix advantage provides investment protection and the outstanding image quality that uncompromising designers demand.

Reduced glare for less eyestrain, less fatigue

Less reflection minimizes distractions for improved efficiency and comfort

Greater image sharpness delivers improved clarity, precision and accuracy

Higher contrast ratio enhances legibility and fine detail

Better brightness uniformity for consistent, true-to-life images

Enhanced edge-to-edge clarity accurately represents detail across entire display

Digital and analog inputs – Ambix Technology delivers outstanding compatibility

Comparisons based on tests conducted on MultiSync totally-flat screen and traditional curved-screen CRTs from other manufacturers

SEE MORE.

NEC/MITSUBISHI
NEC-MITSUBISHI ELECTRONICS DISPLAY

NEC

NEC MultiSync FP1350X with Ambix Technology

Ambix Advantage	**Revolutionary compatibility protects your investment.** Ambix technology guarantees compatibility with virtually any current or future computer system. The monitor is an important part of your computer system investment, and Ambix delivers the peace of mind from knowing that the monitor you invest in today will work with an upgraded computer in the future. With Ambix, there is no need to worry about matching the connection on your display with the connection on your system. Ambix technology offers the best of both worlds—the superior picture clarity and easy set-up of digital connection, as well as legacy compatibility with the analog connections of existing workstations, computers and x-terminals. Dual analog connections have been a popular feature on CRT monitors, allowing two computers to be simultaneously connected to the display. By incorporating both the digital and analog components of the DVI specification, Ambix allows for two different types of dual port connection: either one digital and one analog, or two analog.
Picture Tube: Diagonal Viewable Image Size Radius Notes	 22"/55.3 cm 20"/50.8 cm 57,800 mm 90° deflection, 0.25-0.27 mm (variable) grille pitch, medium short persistence phosphor, aperture grille CRT, multi-layered, anti-static screen 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. Pos/Neg Vertical sync. Pos/Neg Composite sync. (Pos/Neg) (TTL Level) Sync on Green video: (Pos) 0.7 Vp-p and sync. (Neg) 0.3 VP-p
Display Colors: Analog and Digital Input	Over 16 million colors (Depends on display card used.)
Synchronization Range: Horizontal Vertical	 31 kHz to 115 kHz (automatically) 55 Hz to 160 Hz (automatically)
Resolutions Supported: Analog	(Some systems may not support all models listed. NEC cites recommended @ 85 Hz for optimal display performance) 640 x 480 @ 60 to 160 Hz 800 x 600 @ 55 to 160 Hz 832 x 624 @ 55 to 160 Hz 1024 x 768 @ 55 to 143 Hz 1152 x 870 @ 55 to 125 Hz 1280 x 1024 @ 55 to 107 Hz 1600 x 1200 @ 55 to 92 Hz 1792 x 1344 @ 55 to 81 Hz 1800 x 1440 @ 55 to 76 Hz 1865 x 1392 @ 55 to 78 Hz 1920 x 1440 @ 55 to 76 Hz
Digital	(NEC cites recommended for Digital resolution is 1280 x 1024 for optimal display performance) 640 x 480 @ 60 to 160 Hz 800 x 600 @ 55 to 160 Hz 832 x 624 @ 55 to 160 Hz 1024 x 768 @ 55 to 143 Hz 1152 x 870 @ 55 to 120 Hz 1280 x 1024 @ 55 to 85 Hz 1600 x 1200 @ 55 to 60 Hz
Active Display Area (Factory Setting): Horizontal Vertical	(Dependent upon signal timing used, and does not include border area.) 396 mm/15.6" 297 mm/11.7"
Active Display Area (Full Scan): Horizontal Vertical	(Dependent upon signal timing used, and does not include border area.) 406 mm/16.0" 305 mm/12.0"
Power Supply	AC 100-120V/220-240 V, 50/60 Hz
Current Rate	2.3A @ 100-120V/1.0A @ 220-240V
Dimensions (W x H x D)	483 mm x 501 mm x 472 mm/19.0" x 19.7" x 18.6"
Weight	32.4 kg/71.4 lbs
Environmental Considerations	Operating Temp: +10° C to +35° C/+50° F to +90° F Operating Altitude: 3,000 m/10,000 feet Operating Humidity: 10% to 90% Storage Humidity: 30% to 80% Storage Temp: -20° C to +60° C/-4° F to +140° F Storage Altitude: 13,700 m/45,000 feet
Limited Warranty	3 years, CRT, parts and labor

ambix™ TECHNOLOGY

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