

NEC Professional Series

MultiSync® P750™

The MultiSync® P750™ high-performance monitor meets the demands of professional users with breakthrough screen performance, precise controls and excellent compatibility.

A member of NEC's Professional Series, the MultiSync P750 monitor delivers powerful performance for the demanding applications you use every day. The MultiSync P750 is ideal for users who rely on accurate image quality for graphic design, desktop publishing, document imaging and CAD/CAM applications. Featuring the latest

standard in CRT technology, precise controls and outstanding compatibility, the MultiSync P750 was created especially to meet the exacting requirements of professional users and sophisticated corporate users.

Revolutionary CROMACLEAR™ CRT delivers breakthrough screen performance designed for the way you use your computer.

The MultiSync P750 features NEC's exclusive CROMACLEAR CRT, the new standard in CRT technology. Patented by NEC, the CROMACLEAR CRT was designed to deliver the highly accurate screen performance you need while using sophisticated applications:

Sharper, more precise images. The CROMACLEAR CRT features elliptical-shaped illuminated phosphors and slot mask for superior vertical and horizontal image definition. This results in crisp, clean edges that enable you to view text and detailed graphics more clearly.

Superior contrast. The unique design of the CROMACLEAR CRT also results in better overall image contrast, which, combined with its sharp focus, enables accurate and comfortable viewing of small detail and small font sizes common to document imaging and desktop publishing images.

CROMACLEAR CRT

The CROMACLEAR CRT delivers breakthrough screen performance ideal for sophisticated applications.

OptiClear Screen Surface

NEC's exclusive OptiClear screen surface enhances user comfort by increasing contrast and virtually eliminating glare.

Excellent Compatibility

Support for higher resolutions— up to 1600x1200 non-interlaced— lets you put more information on the screen at one time.

Sophisticated Cabinet Design

Designed for today's workspaces, the sleek, elegant cabinet is pleasing to look at from all angles.

AccuColor® Control System

The AccuColor control system lets you closely match your on-screen colors to a desired standard by adjusting the monitor's red, green and blue color guns individually.

Plug and Play Compatibility

Plug and Play compatibility minimizes set-up and installation time and maximizes performance with Windows 95.

Dual Inputs

Dual inputs let you keep the monitor connected to two computers simultaneously and switch between them with a simple touch of a button.

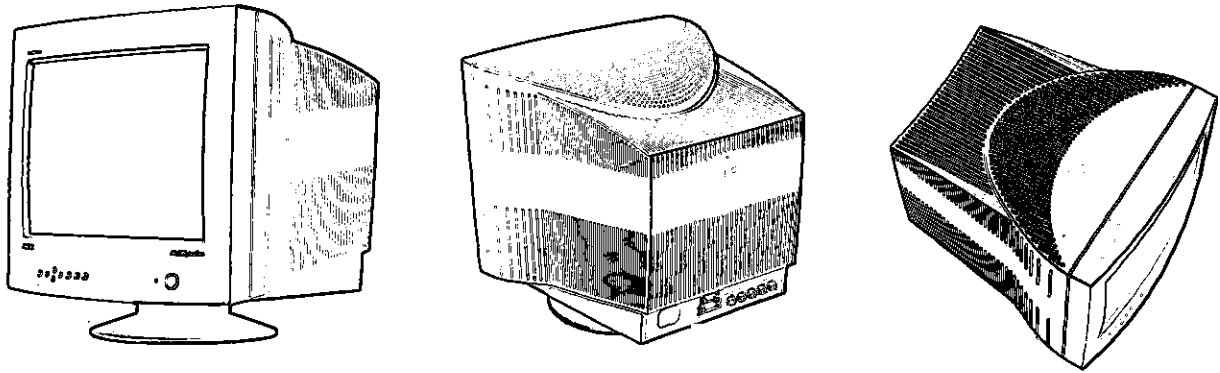
OSM™ (On-Screen Manager) Controls

NEC's second-generation OSM (On-Screen Manager) controls give you access to a comprehensive set of monitor adjustments with the touch of a button.


Expect more. Experience more.

NEC
NEC Technologies

The MultiSync P750 monitor looks sleek and elegant from every angle, making it more functional in today's workspaces.



Enhanced depth and dimension. The CROMACLEAR CRT also delivers images with enhanced depth and dimension for improved viewing of CAD/CAM renderings and graphics.

Intense color saturation. NEC uses the highest-quality red, blue and green phosphor material in the CROMACLEAR CRT, resulting in vibrant, true-to-life colors for precise representation of desktop publishing images and graphic design applications.

The super-sharp images of the CROMACLEAR CRT are enhanced by NEC's exclusive OptiClear® screen surface. OptiClear virtually eliminates glare while maintaining the monitor's revolutionary brightness, focus and color saturation.

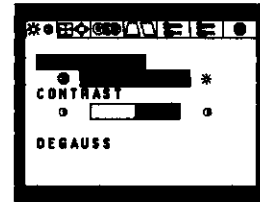
In addition, the CROMACLEAR CRT is a flat-square technology CRT, which creates images that appear flat, with less distortion than conventional CRTs. Its FullScan® capability maximizes the image area by

enabling edge-to-edge images without an unusable black border. And, its dual dynamic beam focus improves edge-to-edge and top-to-bottom focus.

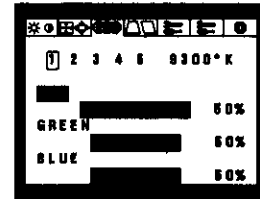
Comprehensive on-screen controls put precision adjustments at your fingertips.

The MultiSync P750 features NEC's second-generation OSM™ (On-Screen Manager) controls, the most precise monitor adjustments available. A touch of the up-front buttons activates the OSM controls, giving you access to a comprehensive set of adjustments including:

- Superior screen geometry controls that enable the image uniformity and accuracy power users need and want. Screen geometry controls include linearity, pincushion and trapezoidal adjustments, and the ability to rotate the image.
- AccuColor control system, which lets you adjust the monitor's red, green and blue color guns individually in precise digital steps—256 each for red, green and blue.



Adjustments to on-screen color, screen geometry, contrast and brightness are among the controls at your fingertips with NEC's easy-to-access, easy-to-use On-Screen Manager.



AccuColor allows you to change your on-screen colors to closely match a variety of standards such as Pantone® and TruMatch®, your printer output, another monitor or personal preference. AccuColor includes five industry standard settings that can also be customized and recalled when needed.

- Moiré canceler, which minimizes the undesired moiré patterns that can sometimes occur.
- Brightness and contrast adjustment.
- Size and position adjustment.
- IPM™ (Intelligent Power Manager) system, which allows you to send your monitor into a sleep mode that consumes up to 90% less energy for reduced energy costs as well as longer monitor life.
- Fitness tips that appear periodically to remind you to take a break and rest your eyes.

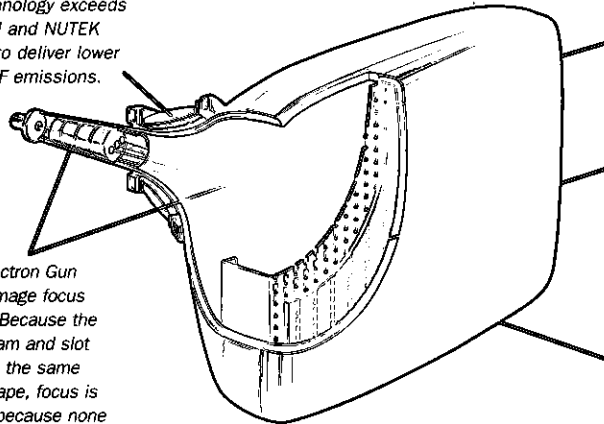
All the OSM menus are easy to scroll through and feature easy-to-understand, "plain-language" commands.

Microsoft® Plug and Play compatibility means easy setup and improved performance. To minimize setup and installation

NEC's CROMACLEAR CRT

NEC's Reduced Magnetic Field™ technology exceeds strict MPRII and NUTEK standards to deliver lower ELF and VLF emissions.

The ELA Electron Gun enhances image focus and clarity. Because the electron beam and slot mask share the same elliptical shape, focus is maximized because none of the beam's energy is lost as it hits the phosphor.



An advanced Invar alloy enables the CROMACLEAR CRT slot mask to withstand heat generated by increased brightness levels. The result is a brighter display without loss of focus or brightness over long-term use.

The elliptical shape of the CROMACLEAR CRT's illuminated phosphors and slot mask result in a number of image-enhancing features including increased focus, contrast and color saturation.

NEC's OptiClear™ surface reduces the amount of ambient light reflected off the screen surface by almost 75%. This greatly reduces glare with no loss of focus.

MultiSync® P750™

time with Windows® 95, the MultiSync P750 features Plug and Play compatibility, codeveloped by NEC and Microsoft® for monitors. Plug and Play compatibility enables the monitor to send its capabilities—such as screen size, refresh rates and resolutions supported—directly to your computer. Display performance is automatically optimized by providing the best match between the capabilities of your monitor and your computer.

Outstanding compatibility includes the latest resolution standards. The MultiSync P750 is compatible with PC computers and offers instant connection to Macintosh® systems via NEC's MultiCable® connection system, included with the monitor. The monitor also supports higher resolutions, up to 1600x1200 non-interlaced, allowing you to view more information on screen at one time.

In addition, it supports super-high refresh rates, up to 160Hz, for solid, flicker-free images—creating more comfortable viewing for users who spend hours at a time in front of their monitors.

The MultiSync P750 also offers dual inputs, allowing you to connect the monitor to one system via a BNC cable and another system via a standard D-Sub cable. You can easily switch between computers with a touch of a button on the MultiSync P750's up-front control panel.

ErgoDesign® enhancements increase comfort, productivity and ease of use. The MultiSync P750 monitor, like all NEC monitors, is designed according to NEC's ErgoDesign philosophy. ErgoDesign adapts technology to the way you work resulting in enhancements that increase comfort, ease of use and productivity.

ErgoDesign elements include:

- Fitness tips that help ensure a healthy work environment by periodically reminding you to take a break and rest your eyes.
- Easy-to-use digital controls that are located at the front of the monitor for quick access to the OSM.
- A tilt/swivel base that easily adjusts to each person's preferred angle of vision.
- A distinctive cabinet design that is pleasing to look at from all angles, making it more functional in today's workspaces.

The quality and reliability you expect from NEC. Every MultiSync monitor is backed by the responsive service and support of NEC. In addition, the MultiSync P750 monitor is covered by an industry-leading three-year limited warranty as well as toll-free technical support.

MultiSync P750 Monitor Specifications Model #JC-1744UMA

Picture Tube:	17" (15.6" viewable image size) CROMACLEAR CRT, 1370 mm radius, 90 degree deflection, 0.25 mm mask pitch, medium-short persistence mask phosphor, anti-static coating, dark-tint screen, OptiClear surface
PC and Macintosh Compatibility:* (some systems may not support all modes listed.)	640 x 480: 55 to 160 Hz vertical refresh 800 x 600: 55 to 149 Hz vertical refresh 832 x 624: 55 to 141 Hz vertical refresh 1024 x 768: 55 to 117 Hz vertical refresh 1152 x 870: 55 to 103 Hz vertical refresh 1280 x 1024: 55 to 88 Hz vertical refresh 1600 x 1200: 55 to 75 Hz vertical refresh
Synchronization Range:	Horizontal: 31 kHz to 94 kHz (automatically) Vertical: 55 Hz to 160 Hz
Maximum Video Input Bandwidth:	202 MHz
Active Display Area: (Factory Setting)	Horizontal: 306 mm, 12.0" (dependent upon signal timing used) Vertical: 230 mm, 9.1"
Active Display Area: (Full Scan)	Horizontal: 316 mm, 12.4" (dependent upon signal timing used) Vertical: 237 mm, 9.3"
Input Signal:	Video: ANALOG 0.7 Vp-p/75 Ohms positive Sync: Separate sync, TTL level Horizontal sync: positive/negative Vertical sync: positive/negative Composite sync: TTL level positive/negative Sync on Green video (positive) 0.7 Vp-p and Sync (negative) 0.3 Vp-p
Display Colors:	Analog input: unlimited colors (dependent upon display card)
Power Management:	Intelligent Power Manager (IPM) system, EPA Energy Star, NUTEK based on VESA DPMS 4 states

User Controls:	Power, degauss, brightness, contrast, horizontal position, horizontal size, vertical position, vertical size, AccuColor, geometry (sides: in/out; left/right; tilt; align; rotate), OSM location adjustment, OSM turn off time (10, 20, 30, 60 and 120 seconds), display mode (current mode; H. Freq; V. Freq; H. Pol; V. Pol), language select (English, German, French, Spanish, Italian, Swedish), vertical linearity (center, top/bottom), IPM, OSM lockout, fitness tips
Advanced Communications:	Plug and Play
Signal Cable:	15-pin Mini D-Sub (VGA); 15-pin D-Sub (Macintosh); 5 BNCs (Red, Green/CS, Blue, Horizontal, Vertical)
Power Supply:	100-120V AC and 220-240V AC, 50/60 Hz
Current Rating:	1.9 A at 100-120V/1.0 A at 220-240V
Dimensions (W,H,D):	403 x 430 x 449 mm/15.9 x 16.9 x 17.7 inches
Weight:	20.0 kg/44.1 lbs.
Environmental:	Operating temperature 0°C to +35°C, +32°F to +95°F, Humidity 30% to 80%, 0-10,000 feet Storage temperature -20°C to +60°C, -4°F to +140°F, Humidity 10% to 90%, 0-45,000 feet
Regulatory Approvals:	UL 1950, CSA C22.2 No. 950, FCC Rules Part 15 Class B, DHHS Rules 21 CFR Sub-Chapter J, ISO-9241-3, MPR-II, TCO-92 (optional filter required), EPA Energy Star, NUTEK
Limited Warranty:	3 years CRT, parts and labor

For the location of the MultiSync monitor dealer nearest you, call **1-800-NEC-INFO**. To speak to a MultiSync monitor technical support representative, call **1-800-632-4662** or dial-in to the Internet at tech-support@nec.com. To visit our World Wide Web home page, dial-in to the Internet at <http://www.nec.com>. To receive more information immediately via fax, call NEC FastFacts™ at **1-800-366-0476** and request our MultiSync product catalog #1.

*Maximum resolution based on horizontal and vertical frequencies only.
Part #JM-P750-B
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