NEC

LCD SERIES

MULTISYNC® LCD1800™
WITH XTRAVIEW™

The LCD Flat Panel Series—
Advanced Series

Affordable, large (18.1" viewable image area) LCD monitor for superior quality and dependability

Slim footprint liberates you and your desk (60% weight and space reductions over comparable CRT monitors)

Supports multiple resolutions up to 1280 x 1024 for image clarity

XtraView technology for the widest viewing angles available

New color algorithm (sRGB) for precise color reproduction

Wall/arm mounting capabilities for flexibility and enhanced versatility

Low power consumption (approximately 60% less than comparable CRT monitors) andreduced emissions conserve energy and reduce costs

SEE MORE.

MultiSync® LCD1800™	
Screen/Viewable Size	18.1"/18.1"
Native Resolution	1280 x 1024
Horizontal Frequency	24.0 to 82.5 kHz

Superior image quality, wide compatibility and renowned dependability. The NEC MultiSync LCD1800 flat panel monitor delivers outstanding features including XtraView (wide-viewing angle technology) and Mitsubishi's new color algorithm natural color matrix (sRGB), all in a sleek, space-saving package.

Users who work in environments with space or weight constraints but still need a monitor that provides superior image quality will benefit from an NEC MultiSync LCD monitor. Offering a slim footprint, low emission, and bright color-saturated images, this monitor is perfectly suited for demanding applications in the financial, medical, manufacturing, and transportation industries, as well as in corporate workplaces.

Superior image quality, brightness and control. The NEC MultiSync LCD1800 monitor delivers flicker-free images and a high brightness level exceeding that of notebook LCDs. OSM on-screen controls allow for easy adjustments.

Wide compatibility for ease of use. The NEC MultiSync LCD1800 monitor accepts analog RGB input directly and supports multiple resolutions up to 1280 x 1024. The LCD1800 is compatible with PC and Macintosh computers, Sun, Silicon Graphics and several other workstations and X-terminals.

New color algorithm supports sRGB color reproduction standard. With Mitsubishi's new color algorithm natural color matrix (sRGB), the LCD1800 monitor supports the new international standard advocated by Microsoft, Hewlett Packard and other predominant companies in the industry. This algorithm creates precise color images for still images, moving pictures and, in particular, for real-time video. Mitsubishi's new color algorithm uses 6-axis color data in its calculations, thereby using the color reproduction capabilities of the original devices to their full extent. It also enables users to correct an individual color without affecting other colors in an image. A range of colors is freely available, so the user can simply, yet precisely, control individual color reproduction.

Like many of its CRT counterparts, the LCD 1800 offers dual analog inputs. Dual inputs allow for more than one computer to be connected to the same display at one time. An easily accessible up-front switch enables users to toggle between the two inputs. This option has proven quite popular for financial or graphic arts environments, as well as with others users with the need to easily switch between PCs and Macintoshes.

NEC/MITSUBISHI
NEC-MITSUBISHI ELECTRONICS DISPLAY

NEC MultiSync LCD1800 Specifications

Display:
- Diagonal — 46 cm/18.1"
- Viewable Image Size — 18.1"
- Notes — 0.28 mm pixel pitch, Display Type: Analog TFT, active matrix LCD, XtraView technology, 200 cd/m² white luminance, 150:1 contrast ratio, viewing angle 160°

Input signal:
- Video — ANALOG 0.7 Vp-p/75 Ohms
- Sync — Separate Sync: TTL Level (Pos./Neg.)
  - Composite Sync: TTL Level (Pos./Neg.)
  - Composite Sync on green: (0.3 Vp-p negative 0.7 Vp-p positive)

Display Colors: Analog Input — Over 16.7 million colors (Depends on display card used.)

Synchronization Range:
- Horizontal — 24.0 Hz to 82.5 Hz
- Vertical — 30.0 Hz to 105.0 Hz

Resolutions Supported
- 640 x 480 @ 60 Hz to 85 Hz
- 800 x 600 @ 60 Hz to 85 Hz
- 832 x 624 @ 75 Hz
- 1024 x 768 @ 60 Hz to 75 Hz
- 1152 x 870 @ 75 Hz
- 1280 x 1024 @ 60 Hz to 75 Hz (recommended resolution)

Functions: — Digital smoothing, digital controls (20 mode preset & 7 user mode memory), color control (1 mode / continuous —initial data: 6500k), OSM, Plug and Play (DDC2B only)

Power Supply — AC 100 V-240 +/- 10%, 50/60 Hz

Current Rate — A @ 100-120 V   A @ 220-240 V

Dimensions (W x H x D):
- Net (with stand) — 460.0 mm x 481.0 mm x 220.0 mm / 18.1" x 18.9" x 8.7"
- Net (without stand) — 460.0 mm x 397.0 mm x 108.5 mm / 18.1" x 15.6" x 4.3"

Weight:
- Net (with stand) — 8.2 kg/18.1 lbs
- Net (without stand) — 6.4 kg/14.1 lbs

Regulatory Approvals — UL/C-UL or CSA, TUV/GS, ENERGY STAR, CE, FCC CLASS B/CANADIAN DOC, MPRII, TCO '99

Signal Cable — Pig-tail D sub

Environmental Considerations
- Operating Temperature: 5°C to +35°C/41°F to 95°F
- Humidity: 10% to 90%
- Altitude: 3,000 to 10,000 feet
- Storage Temperature: -20°C to +60°C/-4°F to 140°F
- Humidity: 10% to 90%
- Altitude: 16,000 to 53,333 feet

Limited Warranty — 3 years parts and labor, including backlight

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