

# MultiSync M500

Model #JC-1572VMA

ESP: \$399

The MultiSync® M500™ monitor offers home and business users revolutionary image quality plus built-in sound and voice capabilities, designed expressly to meet the demands of today's applications. The CromoClear™ CRT, exclusive to NEC Technologies, is the main attraction of the new feature-rich MultiSync M500 multimedia monitor. The CromoClear CRT combines the best features of dot-trio and aperture-grille monitors into a slot mask, providing outstanding image quality.

In the near future, monitors with multimedia capabilities are expected to become a standard as the use of multimedia functions accelerates. Users will need increased clarity and contrast for a variety of graphics-intensive applications including educational programs, games, interactive training programs, video conferencing and the viewing and development of on-line services and World Wide Web sites. Also, sound and voice capabilities are becoming necessary as users begin to take advantage of software applications that facilitate voice annotation, dictation, voice-to-text word processing and telephony applications such as an answering machine or voice mail. The MultiSync M500 monitor allows you to not only optimize today's applications, but will grow with you as the computing environment evolves.

## Specifications

### Picture Tube/Display:

15-inch (13.8" viewable image size) flat square technology, CromoClear CRT, 0.25 mm mask pitch, 1200 mm radius, 90 degree deflection, medium-short persistence phosphor, multi-layered, anti-static screen coating, OptiClear screen surface

### Input Video Signal:

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

Sync (Negative) 0.3 Vp-p

### Display Colors:

Analog Input: Unlimited Colors

(Dependent upon display card used)

### Synchronization Range (Automatic):

Horizontal: 30 kHz to 69 kHz

Vertical: 55 Hz to 120 Hz

**Resolutions Supported:**

640 x 480 @ 60 to 120 Hz

800 x 600 @ 55 to 110 Hz

832 X 624 @ 55 to 110 Hz

1024 x 768 @ 55 to 86 Hz

1280 x 1024 @ 55 to 65 Hz

NOTE: Some systems may not support  
all modes listed.

**Recommended Resolution:**

1024 x 768 @ 75 Hz

**Active Display Area (Factory Setting):**

Horizontal: 260 mm / 10.2 inches

Vertical: 195 mm / 7.7 inches

(Dependent upon signal timing used)

**Active Display Area (Full Scan):**

Horizontal: 280 mm / 11.0 inches

Vertical: 210 mm / 8.3 inches

(Dependent upon signal timing used)

**Power Supply:**

AC 100 - 120 V, 50/60 Hz

**Current Rating:**

1.8 Amps

**Signal Cable:**

Captive 15-pin mini D-SUB connector

**Dimensions:**

Net:

372 mm (W) x 406 mm (H) x 405 mm (D)

14.6 in (W) x 16.0 in (H) x 15.9 in (D)

Gross:

456 mm (W) x 510 mm (H) x 499 mm (D)

18.0 in (W) x 20.1 in (H) x 19.7 in (D)

**Weight:**

Net:

15.0 kg / 33.1 lbs.

Gross:

16.8 kg / 37.0 lbs.

**Operating Temperature:**

+10 degrees C to + 40 degrees C

+50 degrees F to +104 degrees F

**Operating Humidity Range:**

8% to 80%

**Operating Altitude:**

0 to 10,000 Feet

**Storage Temperature:**

-20 degrees C to + 45 degrees C

- 4 degrees F to +113 degrees F

**Storage Humidity Range:**

5% to 90%

**Storage Altitude:**

0 to 45,000 Feet

**General Limited Warranty:**

3 Years CRT, Parts and Labor

**Power Management:**

IPM (Intelligent Power Manager) System, EPA Energy Star, NUTEK based upon VESA

DPMS 4 states

**User Controls:**

Power, Brightness, Contrast, Video Boost, Degauss, Horizontal Position, Horizontal Size, Vertical Position, Vertical Size, Speaker Controls (Volume, Treble, Bass, Balance), AccuColor, Geometry (Sides In/Out, Sides Left/Right, Tilt, Align, Rotate), Surround Mode (Voice/ Standard, Music/Game, Movie/TV, Mono to Stereo), Language Select,

OSM Position, OSM Turn Off, OSM Lock Out, Vertical Linearity, Factory Preset, Fitness Tips, Display Mode

**Regulatory Approvals:**

UL 1950, CSA C22.2 No. 950, FCC Rules Part 15 Class B, DHHS Rules 21 CFR,

Sub-Chapter J, MPR-II, NUTEK, EPA Energy Star, ISO-9241-3