

# Macintosh 21" Color Display



## Overview

The Apple® Macintosh® 21" Color Display sets a new standard in quality for large-screen color displays. It lets users of Macintosh personal computers work with two full pages of text and graphics in brilliant color.

The Macintosh 21" Color Display is ideal if you need a high-performance, large-screen color display for presentations, page layouts, engineering design, or video applications. Its 21-inch screen provides more than three times the screen area of standard displays to give you more room to work--and to increase your productivity. The Macintosh 21" Color Display produces clear,

distinct images--even in finely detailed drawings--thanks to sharp focus across the entire screen area. It also features high levels of brightness and contrast, and pure, brilliant colors.

Not only does the Macintosh 21" Color Display expand the potential of current Macintosh software, it can also take advantage of new applications as they are introduced. With this display, you can more easily work with several different applications simultaneously, integrate color graphics into presentations and publications, and work with newer operating systems, such as Macintosh system software

version 7.0 and AUX<sup>®</sup>. The display is also an excellent choice for preparing video and animation presentations to use with television monitors or videocassette recorders.

The Macintosh 21" Color Display lets you work with as many colors as your video card will support. When used with a modular Macintosh computer and the Macintosh Display Card 8-24 or 8-24cc, for example, the Macintosh 21" Color Display gives you access to 256 colors simultaneously.

# Features

# Benefits

- 21-inch diagonal screen

- Lets you work with two full pages of text and graphics.

- 1152 horizontal pixels by 870 vertical lines at 79 dots per inch (dpi)

- Gives you more room to work by providing a larger screen area than competing 19" color displays.

- Dot pitch 0.26 mm horizontal by 0.29 mm vertical

- Provides clear, sharp images, even in finely detailed drawings.
- Eliminates annoying moiré patterns.

- High brightness uniformity

- Minimizes eyestrain by producing uniform images across the screen.

- Auto-degaussing circuit

- Ensures consistent color purity and distortion-free images.

- Three Apple Desktop Bus<sup>®</sup> (ADB) connectors on the display front

- Allows for direct connection of a keyboard, mouse, or other ADB device to the display.
- Reduces cable clutter.

- Antiglare screen

- Minimizes reflective glare.
- Makes working in bright rooms easier.

- Tilt-and-swivel base

- Lets you adjust the display to a comfortable working angle.

- 75-hertz screen refresh rate

- Ensures a flicker-free, stable image.
- Minimizes eyestrain and fatigue.

- Brightness and contrast controls on front of display

- Lets you adjust the display to suit your preferences and environment.

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## Product Details

With the Macintosh 21" Color Display, the number of colors you can work with simultaneously depends on the Macintosh model and/or video card you are using.

For example, you can work with 256 colors simultaneously (from a palette of more than 16 million) if you have a modular Macintosh equipped with the Macintosh Display Card 8-24 or the Macintosh Display Card 8-24cc.

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## System Requirements

To use the Macintosh 21" Color Display, you'll need the following:

- A Macintosh personal computer equipped with an appropriate video card
  - A video cable (supplied with the display)
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## Technical Specifications

Picture tube

- 21-in. diagonal, with in-line gun

- 90° deflection angle
- Black matrix-type dot screen
- Phosphor type P22 (aluminized)
- Flat, square faceplate with gray filter glass, 50% nominal light transmission
- Shadowmask

Screen resolution

- 1152 horizontal pixels by 870 vertical lines; 79 dots per inch (dpi)
- Dot pitch 0.26 mm by 0.29 mm

Input signals

- Red, green, and blue video signals; TTL separate sync

User controls

- Back panel:
  - Power switch (above power cord)
  - Manual degauss (above security lock)
- Front panel:
  - Brightness, with detent (right)
  - Contrast (left of brightness control)

Scanning and refresh rates

- Horizontal scan rate: 68.7 kilohertz
- Vertical refresh rate: 75 hertz

Rise and fall time

- 5 nanoseconds maximum

Active video display area

- 14.6 in. horizontal by 11.0 in. vertical (371 mm horizontal by 280 mm vertical); remainder of display area is used for border.

Electrical requirements

- Voltage: 85 to 135 volts AC or 170 to 270 volts AC
- Frequency: 47 to 63 hertz
- Power: 165 watts maximum

Fuse protection

- Internal power line fuse protection; the display fuse should be replaced with a fuse of the same type by a qualified service technician.

Environmental requirements

- Operating temperature: 50°F to 95°F (10°C to 35°C)
- Operating humidity: 95% maximum, noncondensing
- Maximum altitude: 10,000 ft. (3,048 m)

Size and weight

- Height: 18.5 in. (47.0 cm)
- Width: 19.6 in. (49.8 cm)
- Depth: 20.9 in. (53.0 cm)
- Weight: 79.6 lb. (36.2 kg)

Safety agency approvals

- Emissions: FCC (class A), VDE (class A), FTZ, CISPR, Swedish MPR magnetic (MLF and ELF)
- Safety: UL, CSA, FDA/DHHS, Scandinavian EMKOs, PTB



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Ordering Information

Macintosh 21" Color Display

Order No. M5812

With your order, you'll receive:

- Macintosh 21" Color Display
- Video cable
- Power cable
- Complete setup, learning, and reference documentation
- Limited warranty statement

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