



# Tech Info Library

## Macintosh Color Display: Specifications (8/94)

Article Created: 19 October 1992

Article Reviewed/Updated: 3 August 1994

TOPIC -----

This article gives technical specifications for the Macintosh Color Display.

DISCUSSION -----

### Picture Tube

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- 14-inch diagonal, 13-inch viewable Trinitron CRT
- .26mm aperture grill pitch
- High-contrast glass

### Input Signals

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- Red, green, and blue video signals
- Composite sync., negative going TTL

### User Controls

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- Power switch
- Brightness, with detent reference
- Contrast
- V-twist misconvergence adjustment
- H-stat misconvergence adjustment

### Scanning Frequencies

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- Horizontal: 35.0 kHz
- Vertical: 66.7 Hz

### Video

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- Resolution: 640 horizontal pixels by 480 vertical lines
- Active display area: Adjusted at the factory to produce an active video area of 235 mm (9.3 inches) horizontal by 176 mm (6.9 inches) vertical. The remainder of the screen is used for the dark border around the display.
- 70 dots per inch

## Size and Weight

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- Weight: 24 lb. 14 oz. (11.3 kg)
- Height: 13 inches (33 cm)
- Width: 13.4 inches (34.0 cm)
- Depth: 14.0 inches (35.6 cm)

## Input Electrical Requirements

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- Voltage: 90 to 270 Vrms
- Power: 37 W normal operation, 55 W maximum
- Frequency: 47-63 Hz

## Environmental Requirements

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- Ambient operating temperature: 10° C to 40° C (50° F to 95° F)
- Operating humidity: 90% maximum, non-condensing
- Operating altitude: 10,000 feet maximum

## Fuse Protection

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- The monitor contains internal power line fuse protection. This fuse should be replaced with the same type by a qualified service technician.

## Warm-up Time

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- 20 minutes to meet all specifications

## Safety Information

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- Meets SWEDAC recommendations for ELF and VLF magnetic and electric emissions.

## System Requirements

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- A modular Macintosh computer with on-board video support, such as a Macintosh LC II or Macintosh IIfx personal computer, or any NuBus-capable modular Macintosh that requires a video card (the Macintosh II, IIfx, IICx or IIfx).
- Video cards supported include:
  - Macintosh II Video Card
  - Macintosh II Hi-Resolution Video Card
  - Macintosh II Extended Hi-Resolution Video Card
  - Macintosh Display Card 4•8
  - Macintosh Display Card 8•24
  - Macintosh Display Card 8•24 GC

## Article Change History:

- 09 Sep 1992 - Revised to include expanded system requirements.
- 21 Oct 1992 - Revised to include measurement information.

03 Aug 1994 - Revised to add safety information.

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