Macintosh 21 Color Display: Specifications (Discontinued 3/94)

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TOPIC --

This article gives the technical specifications for the Macintosh 21-inch Color
Display, which Apple discontinued on 14 March 1994, replacing it with the Apple
Multiple Scan 20 Display.

DISCUSSION ---

System Requirements

- Macintosh personal computer equipped with an appropriate video card
- Video cable (supplied with the display)

Optical Features

- 20-inch diagonal viewable with in-line gun
- 90 degree deflection angle
- Black matrix-type dot screen
- Phosphor type P22 (aluminized)
- Flat, square faceplate with gray filter glass, 50% nominal light
  transmission
- Shadow mask

Screen Resolution

- 1152 horizontal pixels by 870 vertical lines; 79 dots per inch (dpi)
- .26 mm horizontal by .29 mm vertical dot pitch

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)

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   - Contrast (left of brightness control)


Scanning and Refresh Rates
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- Horizontal scan rate:  68.7 kilohertz
- Vertical refresh rate: 75 hertz


Rise and Fall Time
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- Five nanoseconds, maximum


Active Video Display Area
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- 14.6 inches horizontal by 11.0 inches vertical (371 mm horizontal by 280
  mm vertical); remainder of display area is used for border.


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


Fuse Protection
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- 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
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- Operating temperature:  50 to 95 degrees F (10 to 35 degrees C)
- Operating humidity:     95% maximum, noncondensing
- Maximum altitude:       10,000 feet (3,048 m)


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


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


Article Change History:
14 March 1994 - Added discontinuation information.
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