



Tech Info Library

Apple Multiple Scan 20 Display: Specifications (10/95)

Article Created: 9 March 1994

Article Reviewed/Updated: 17 October 1995

TOPIC -----

This article gives the technical specifications for the Apple Multiple Scan 20 Display.

DISCUSSION -----

Picture Tube

- 20-inch diagonal Trinitron CRT
- . Minimum viewable area: 292.6 mm x 388.4 mm (11.52-inch x 15.29-inch)
- Multiple scan
- Resolution range: 640x480 to 1280x1024

Screen

- .31 millimeter (mm) pitch (Rev A)
- .26 millimeter (mm) pitch (Rev B)
- Bonded glass panel with antiglare/antistatic multilayer coating

Input Signals

Red, green, and blue signals; separate sync, composite sync, and composite video

Power Savings feature

Conforms to the Energy Star program of the United States Environmental Protection Agency

User Controls

- Power-on switch
- Automatic degauss at power-up; manual degauss by turning power switch off, then on (capable of full degauss after monitor is turned off for 20 minutes or more)
- Control buttons: Reset, Control, Command, Brightness, Contrast
- Additional picture controls available using the Command button:
 - . horizontal and vertical shift, horizontal and vertical size,

. rotation, horizontal and vertical convergence, and color temperature

Begin_Table

Active Video Image Area

Adjusted at the factory for the following standard modes:

Mode	Resolution	Vertical Refresh Rate (hertz)	Horizontal Scan Rate (kilohertz)
-----	-----	-----	-----
VGA	640x480	59.95	31.47
Macintosh	640x480	66.7	35.0
VESA	640x480	75.0	37.5
VESA	800x600	75.0	46.9
Macintosh	832x624	75.0	49.73
Macintosh	1024x768	74.93	60.24
VESA	1024x768	75.0	60.02
Macintosh	1152x870	75.0	68.7
VESA	1280x1024	75.0	79.98

End_Table

Input Electrical Requirements

- Voltage: 90-132, 198-264 V
- Frequency: 47-63 Hz
- Power: 180 W maximum (Rev A)
165 W maximum (Rev B)

Weight

Approximately 66 pounds (30 kilograms)

Dimensions

- Height: 474 mm +/- 5 mm
- Width: 474 mm +/- 5 mm
- Depth: 501.5 mm +/- 5mm

Tilt Swivel Base

- Tilt: -5 to +15 degrees
- Swivel Range: +/- 45 degrees minimum

Interfaces

Apple Desktop Bus (ADB): one input port and two pass-thru output ports

Operating Environment

=====

Temperature

- Operating: 10 to 40 degrees C (50 to 104 degrees F)
- Storage: 0 to 60 degrees C (32 to 140 degrees F)
- Shipping: -40 to 60 degrees C (-40 to 140 degrees F)

Humidity (noncondensing)

- Operating: 10% to 80%
- Storage: 5% to 90%
- Shipping: 5% to 95%

Altitude (maximum)

- Operating: 10,000 ft. (3048 m)
- Shipping: 35,000 ft. (1067 m)

Safety

Meets strict SWEDAC MPR-2 requirements for low-frequency (ELF and VLF) magnetic and electric emissions.

System Requirements

- Power Macintosh, Macintosh Centris, Macintosh Quadra, or any NuBus compatible Macintosh with a Macintosh Display Card 24AC.
- Macintosh II family, PowerBooks, Duo Dock* and MiniDock, Macintosh Performa, Macintosh LC, LC II, LC III, and Macintosh computers with 8•24, 8•24GC, 4•8 video cards installed work in the 640x480 video mode. Other modes are possible with additional adapters.
- System software version 7.1 or later

* - The Duo Dock requires a video display adapter to change resolutions unless System 7.5 is installed.

Article Change History:

17 Oct 1995 - Updated Rev. B specifications.
10 Oct 1995 - Added Rev. B specifications.
05 May 1995 - Made minor corrections.

Support Information Services

Copyright 1994-95, Apple Computer, Inc.

Keywords: specsht

=====

This information is from the Apple Technical Information Library.

19960215 11:05:19.00

Tech Info Library Article Number: 14851