



Tech Info Library

Apple Multiple Scan 15 Display: Specifications (2/96)

Revised: 2/8/96
Security: Everyone

Apple Multiple Scan 15 Display: Specifications (2/96)

=====

Article Created: 6 July 1994
Article Reviewed/Updated: 08 February 1996

TOPIC -----

This article gives the technical specifications for the Apple Multiple Scan 15 Display.

DISCUSSION -----

Picture Tube

15-inch diagonal Flat Square CRT
Multiple scan
Resolution range: 640x480 to 1024x768

Screen

.28 millimeter (mm) dot pitch
Antistatic, antiglare surface treatment (European only)

Input Signals

Red, green, and blue signals; separate sync.

Power Savings feature

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

Power saving feature compatible with the Video Electronic Standard Association's (VESA) Display Power Management Standard (DPMS)

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)
- Buttons and Controls: Reset, Zoom, Recall, Select, Brightness, Contrast
- Additional picture controls available using the Select button: horizontal and vertical shift, horizontal and vertical size

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	60.0	31.77
Macintosh	640x480	66.7	35.0
SVGA	800x600	72.0	48.1
SVGA	800x600	60.0	37.9
Macintosh	832x624	75.0	49.7
1024x768	1024x768	70.0	56.5

Input Electrical Requirements

Voltage: 90-132, 198-260 V

Frequency: 47-63 Hz

Power: 90 W maximum -- Less than 30 W in Energy-Saver mode

Weight

Approximately 31 pounds (14 kilograms)

Dimensions

Height: 375 mm +/- 5 mm, 14 3/4 inches

Width: 365 mm +/- 5 mm, 14 1/4 inches

Depth: 380 mm +/- 5mm, 15 inches

The above dimensions include the tilt/swivel base unit.

Interfaces

Headphone/Speaker: One input and one pass thru output port

Audio

Stereo speakers and front panel headphone jack

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 65 degrees C (-40 to 151 degrees F)

Humidity (noncondensing)

Operating: 20% to 95%

Altitude (maximum)

Operating: 10,000 ft. (3000 m)

Shipping: 15,000 ft. (4500 m)

System Requirements

=====

- Power Macintosh, Macintosh Centris, Macintosh Quadra, Macintosh 630 series, Performa 600, or any NuBus compatible Macintosh with a Macintosh Display Card 24AC.

- Macintosh LC series, Performa 400 series, PowerBook, Duo and MiniDock, and the 8•24, 8•24GC, 4•8 video cards only provide a resolution of 640x480. Display adapters are available to change the video resolution on these computers. The Macintosh IIsi and IICI require a special display adapter in order to be compatible with the Multiple Scan 15 Display.

- System software version 7.1 or later

Monitor Cable Specifications

=====

15-pin miniature D-type connector

Monitor Signals

=====

Pin	Output Signal
-----	---------------

---	-----
-----	-------

1	Red video ground
2	Red video
3	Not used
4	ID 1
5	Green video
6	Green video ground
7	ID 2
8	Not used
9	Blue video
10	ID 3
11	V Sync return

12	V Sync
13	Blue video ground
14	H Sync return
15	H Sync
Shell	Shield ground

Article Change History:

08 Feb 1996 - Added new compatibility information on IIsi & IIci.
01 Sep 1995 - Corrected anti-glare treatment for European version only.
17 Aug 1995 - Added info on built-in stereo speakers.

Support Information Services

Copyright 1994-96, Apple Computer, Inc.

Tech Info Library Article Number:15754