Apple Multiple Scan 17 Display: Specifications (5/95)

Article Created: 8 April 1994
Article Reviewed/Updated: 5 May 1995

TOPIC --

This article gives the technical specifications for the Apple Multiple Scan 17
Display.

DISCUSSION ---

Picture Tube

- 17-inch diagonal Trinitron CRT (16.5-inch viewable)
- Multiple scan
- Resolution range: 640x480 to 1024x768

Screen

- .26 millimeter (mm) stripe pitch
- 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

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
SVGA	800x600	55.98	35.16
800x600	800x600	60.0	37.8
Macintosh	832x624	75.0	49.73
Macintosh	1024x768	75.0	60.2
1024x768	1024x768	60.0	48.3

Input Electrical Requirements

Voltage: 90-132, 198-260 V
Frequency: 47-63 Hz
Power: 150 W maximum

Weight

Approximately 50 pounds (22.5 kilograms)

Dimensions

Height: 424 mm +/- 5 mm
Width: 405 mm +/- 5 mm
Depth: 452.3 mm +/- 5mm

Interfaces

- Apple Desktop Bus (ADB): one input port and two pass-thru output ports
- Microphone: One Input and one pass-thru port
- Headphone/Speaker: One input and one pass thru output port

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.

Monitor Cable Specifications

15-pin miniature D-type connector

Monitor Signals
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Pin   Output Signal
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 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:
05 May 1995 - Made minor corrections.
20 Apr 1995 - Added information on System 7.5 and Duo Dock.
14 Mar 1995 - Corrected wording of MiniDock.

Keywords: specsht

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This information is from the Apple Technical Information Library.

19960215 11:05:19.00

Tech Info Library Article Number: 15085