



Tech Info Library

Performa and Performa Plus Display: Specifications (11/94)

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TOPIC -----

This article contains the specifications for:

- Macintosh Performa Display
- Macintosh Performa Plus Display

The dot pitch is the key difference between the two displays.

DISCUSSION -----

Picture Tube

- Diagonal measurement: 14-in.
- CRT Type: P22 phosphor, single in-line gun, shadow-mask CRT

Input Signals

- Video: Analog, modified RS-343
- Sync: Composite horizontal and vertical sync

User Controls

- Front
 - Power on/off SK1 (including LED indicator)
 - Brightness
 - Contrast
 - Horizontal phase (centering)
 - Vertical centering
- Rear
 - Horizontal width
 - Vertical height

Scanning Frequencies

- Horizontal: 35 KHz
- Vertical: 66.7 Hz

- Dot clock: 31.91 ns

Video Specifications

- Resolution: 640 dots Horizontal x 480 lines Vertical
- Dot Pitch: Performa Display - .39mm
Performa Plus Display - .29mm and .28mm
- Dots Per Inch: 67 DPI
- Bandwidth: 18 MHz
- Active Display Area: 240mm Horizontal x 180mm Vertical
- White Point: 9300 deg. K

The CIE coordinates

Red	x = .620(+-.020)	y = .340(+-.020)
Green	x = .305(+-.020)	y = .600(+-.020)
Blue	x = .155(+-.020)	y = .065(+-.020)

Shipping brightness is 32 (+-5) Foot-Lamberts

Physical Specs

- Weight: 35 lbs. (15.9 kg)
- Height: 12.75 inches (32.4 cm)
- Width: 13.9 inches (35.2 cm)
- Depth: 14.75 inches (37.5 cm)

Power Requirements

- Watts: 85 watts maximum
- Input Voltage: 98-132 VAC
- Frequency: 57-63 Hz

Environmental Requirements

- Operating ambient temperature: 50 to 104 deg. F (10 to 40 deg. C)
- Operating humidity: 90% maximum, non-condensing
- Operating altitude: 10,000 ft maximum

Input Signal Jack Pin Assignments

- Type of connector: DA-15 style connector

Pin	Function
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1	Red video ground
2	Red video
3	Composite TTL sync
4	Composite sync ground
5	Green video

6	Green video ground
7	(not used)
8	(not used)
9	Blue video
10	(not used)
11	(not used)
12	(not used)
13	Blue video ground
14	(not used)
15	(not used)
Shell	Shield ground

Article Change History:

08 Nov 1994 - Corrected White Point.
16 Aug 1994 - Corrected DPI of display to 67.
12 Jul 1994 - Added CIE coordinates.

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