



# Tech Info Library

## Apple High-Resolution Monochrome Monitor: Specs (Discontinued)

Revised: 9/13/93  
Security: Everyone

Apple High-Resolution Monochrome Monitor: Specs (Discontinued)

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### Picture tube:

- 12-inch diagonal
- Phosphor EIA Type P4 (white)
- High-contrast antiglare

### Input signals:

- Video: RS-343 standard
- Sync: Composite sync, negative going TTL

### User controls:

- Power switch (back panel)
- Brightness, with detent reference (right side)
- Contrast (right side)

### Scanning frequencies:

- Horizontal: 35.000 kHz
- Vertical: 66.7 Hz

### Video:

- Bandwidth: +/-3 dB to 22 MHz
- Resolution: 640H by 480V pixels
- Active display area: Adjusted at the factory to produce an active video area of 213 mm horizontal by 160 mm vertical. The remainder of the screen is used for the dark border around the display.

Weight:

--7.7 kg (17.0 lbs) approximately

Power requirements:

--Watts: 40 watts Maximum, all line conditions

--Input voltage: 85-270 Vrms, self-configuring

--Frequency: 50-60 Hz

Environmental Requirements:

--Operating ambient temperature: 10 to 40 deg C (50 to 104 deg F)

--Operating humidity: 90% maximum, non-condensing

--Operating altitude: 10.000 feet maximum

Fuse protection:

--The monitor contains internal power line fuse protection. This fuse should be replaced with the same type by a qualified service technician.

Warm-up time:

--20 minutes to meet all specifications

Input signal jack pin assignments:

DA-15 style connector

Pin	Function
1	(not usde)
2	(not usde)
3	Composite TTL sync
4	Composite sync return
5	Black and white video
6	Video return
7	(not used)
8	(not used)
9	(not used)
10	(not used)
11	(not used)
12	(not used)
13	(not used)
14	(not used)
15	(not used)

Shell Shield ground

Physical specifications:

Height	10.0 in.	255 mm
Width	12.2 in.	310 mm
Depth	14.4 in.	365 mm

The brightness and contrast controls are located on the right side as the user faces the monitor. The center of the brightness control knob is 82.0 mm from the top of the monitor, and the center of the contrast control knob is 40 mm from the center of the brightness control knob. The control knob diameter is 28.5 mm, and both controls are set into the back side of the front bezel and hidden from view when the user is sitting in front of the monitor.

The power switch is on the back of the monitor, located 212.5 mm down from the top and 336.4 mm from the left side as you look at the back of the monitor. The power switch opening is 21.23 mm wide by 11.0 mm high.

Ventilation for the monitor should be designed so that an adequate air flow is maintained at all times. The enclosure should allow for a heat dissipation of 136.8 BTUs at a temperature not to exceed 40 C or 104 F.

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