



# Tech Info Library

## AppleVision 850AV Display: Technical Specifications (5/97)

Revised: 5/5/97  
Security: Everyone

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TOPIC -----

This article gives the technical specifications for the AppleVision 850AV Display

DISCUSSION -----

Picture Tube

- \* 20-in. (diagonal) Trinitron CRT
- \* 19-in. (diagonal viewable image size)
- \* 0.26-mm aperture grille pitch

Resolution\*

- 
- Macintosh Computers
- \* 640 x 480 pixels
  - \* 800 x 600 pixels
  - \* 832 x 624 pixels
  - \* 1,024 x 768 pixels
  - \* 1,152 x 870 pixels
  - \* 1,280 x 1,024 pixels
  - \* 1,600 x 1,200 pixels

- PC-Compatible Systems
- \* 640 x 480 pixels
  - \* 800 x 600 pixels
  - \* 1,024 x 768 pixels
  - \* 1,280 x 1,024 pixels
  - \* 1,600 x 1,200 pixels

Scanning Rates

- 
- \* 30 kHz to 94 kHz (horizontal)

- \* 48 Hz to 120 Hz (vertical)

#### Apple DigitalColor Technology

- \* Internal calibration to original factory measurements
- \* Adjustment for ambient lighting
- \* Adjustment for CRT phosphor aging

#### Multimedia Features

- \* Integrated high-quality stereo speakers
- \* Directional microphone
- \* Stereo headphone connector

#### Screen Treatment

- \* Antistatic, anti-reflective coating

#### Digital Software and Hardware Controls

- \* Power on/off
- \* Brightness
- \* Contrast
- \* Horizontal size and centering
- \* Vertical size and centering
- \* Convergence
- \* Rotation
- \* Pincushion
- \* Keystone
- \* Parallelogram
- \* Gamma curve
- \* Completely variable white-point selection: 4,100 degrees K to 9,300 degrees K
- \* Bass control
- \* Treble control
- \* Volume control
- \* Microphone mute
- \* Speaker mute

#### Audio

- \* Watts: 5 volts RMS, each channel
- \* Frequency response: 80 Hz to 17 kHz
- \* Speaker output: > 90 (dB) SPL at 1 KHz at 0.5 meters
- \* Headphones: 600 ohm >0.5 volts RMS

#### Connector

- \* 15-pin DSub connector for Macintosh systems
- \* 15-pin DSub VGA mini-adapter for PCs

#### Degauss Circuitry

- \* Automatic at power up

#### Electrical Requirements

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- \* Line voltage: 90 to 132 V AC and 198 to 264 V AC
- \* Frequency: 47 to 63 Hz, single phase
- \* Power: 180 W (maximum) when operating; less than 30 W in standby mode; 5 W (speakers off) or 30 W (speakers on) in suspend mode and when CPU is in energy-saver mode

#### Environmental Operating Requirements

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- \* Temperature: 50 degrees to 104 degrees F (10 degrees to 40 degrees C)
- \* Humidity: 20% to 95%, noncondensing
- \* Altitude: 0 to 10,000 ft. (0 to 3,048 m)

#### Size and Weight

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- \* Height: 21.8 in. (55.5 cm)
- \* Width: 19.1 in. (48.5 cm)
- \* Depth: 23.4 in. (59.5 cm)
- \* Display weight: 78.0 lb. (35.4 kg)
- \* Fully boxed weight: 92.1 lb. (41.9 kg)

#### Agency Approvals

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- \* FCC Part 15 Class B
- \* CISPR 22 Class A (EN5008211) -- complies with European EMC directive
- \* DOC Class B
- \* MPR-II
- \* VCCI Class 2
- \* CE Mark
- \* EPA Energy Star compliant
- \* IEC 950
- \* UL 1950
- \* CSA 950
- \* EN60950
- \* NUTEK
- \* TCO 92

#### System Requirements

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- \* Works with Power Macintosh, Macintosh Performa, and Macintosh Quadra computers with 68040 or later microprocessors running Macintosh System 7.1 or later\*
- \* Windows 95 Plug and Play certified

\*Not all models and configurations are capable of driving the monitor to the highest resolution it supports.

Product specifications are subject to change. Check with your Apple reseller for the most current information about product specifications and configurations.

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