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Apple AudioVision 14 Display: Technical Specifications (7/93)

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TOPIC -----

This article gives the technical specifications for the AudioVision 14 Display.

DISCUSSION -----

Picture Tube

- 14-inch diagonal, 13-in. viewable, Trinitron CRT
- .26-mm stripe pitch
- High-contrast glass

Video

- Resolution: 640 horizontal pixels by 480 vertical lines
- 70 dpi
- Active display area: Adjusted at the factory to produce an active video area described by an ideal rectangle of 9.3 x 6.9 inches (235 by 176 mm)

Input Signals

- Red, green, and blue video signals, negative-going TTL

Scanning and Refresh rates

- 35.0-kHz horizontal scan rate
- 66.7-Hz vertical refresh rate

Microphone

- Directional, optimized for use in speech-recognition and voice-capable applications

Speakers

- Full-range stereo
- Tuned port, bass reflex chamber design
- Maximum loudness: 90-dB sound pressure level (SPL) at 1 kHz at 0.5m

- Frequency response: 100 Hz to 15 kHz +/-3 dB

User controls

- Contrast, brightness, mute, volume, and microphone

Built-in ports

- One stereo line/microphone input port
- One stereo headphone/speaker output port
- One video-in port (for future use)
- Two Apple Desktop Bus ports

Audio input signals

- Accepts audio signal of up to 6 Vpp (line level: low sensitivity) or as low as 20 mVpp (microphone level: high sensitivity)

Headphone jack

- Output level: 1.75 Vpp into 4-W load and 2 Vpp into 10-kW load

Operating environment

- Temperature: 50° F to 104° F (10° to 40° C)
- Humidity: 90% maximum, noncondensing
- Altitude: 0 to 10,000 feet (0 to 3,048 m)

Electrical requirements

- Voltage: 100 to 240 Vrms
- Frequency: 47 to 63 Hz
- Power consumption: 37 W normal operation, 55 W maximum

Physical Measurements

- Height: 15.2 inches (38.5 cm)
- Width: 13.4 inches (34 cm)
- Depth: 16.6 inches (42 cm)
- Weight: 33 pounds (15 kg)

System requirements

- Compatible with modular Macintosh computers with on-board video support or any NuBus-capable modular Macintosh computer
- System software version 7.0.1 or later

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