Macintosh TV: Specifications (11/93)

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TOPIC ---

This article gives technical specifications for the Macintosh TV. The
keyboard and mouse are included with the system.

Notes: at introduction, Macintosh TV is:
• the only computer from Apple with a matte-black case.
• available only in the U.S. There is no PAL or SECAM version for other
  countries.

DISCUSSION --

Microprocessor

• MC68030, 32 MHz clock doubled, 32-bit data bus
• Integrated PMMU (memory-management unit)

Memory

• 5MB RAM standard
• RAM expandable (by authorized Apple dealer) to 8MB with 72-pin fast-paged
  80ns SIMMs
• 1MB ROM

Disk Drives

• One built-in Apple SuperDrive 1.4MB floppy disk drive
• One internal 160MB SCSI hard disk drive
• Internal AppleCD 300i double-speed CD-ROM drive for CD-ROMs, audio CDs,
  and Kodak Photo CDs

Television Tuner

• NTSC tuner
• 181 channels
• Cable-ready
• RCA-type video abd sound input for VCR, camcorder, laser disc,
  or game player
• Coaxial port for television antenna or cable service

- TV Setup control panel allows the user to listen to TV or video sound (but not the video) while using the Macintosh TV as a computer.

Video Display

- Integrated Macintosh Color Display with 14-inch Trinitron CRT
- Resolution: 640 x 480 pixels (640 x 240 for television mode with 16-bit color), 69 dpi, .26mm dot pitch
- 512K VRAM supports 256 colors (8-bit color)

Interfaces

- SCSI interface for connecting up to six external peripheral devices
- Two serial (RS-232/RS-422) ports
- One stereo sound-output port for external audio amplifier or headphones
- Two Apple Desktop Bus (ADB) ports for keyboard, mouse, and other devices
- Front headphone jack for sound output
- Hand-held remote-control unit for CD and TV

Sound Generator

- Stereo 8-bit digital-analog conversion using 22-kHz sample rate - capable of driving stereo headphones or other stereo equipment through the sound jack and headphone jack
- Built-in stereo speakers

Clock/Calendar

- Custom integrated circuit with long-life lithium battery

Software

- Macintosh System software 7.1, including HyperCard Player, MacBasics, MacCheck, and QuickTime. System Enabler 404.
- A variety of educational and productivity titles installed on hard drive
- A selection of CD-ROM titles
- CloseView, Easy Access, and visible-beep for disability access.
- TV software supports frame capture, closed captions, channel scanning, and password protection

Power Requirements

- Line voltage: 90 to 264 V AC, RMS single phase, automatically configured
- Frequency: 47 to 63 Hz
- Power: 40 W maximum, not including display
        60 W maximum, including display
- Energy-saving feature reduces power consumption by 50%
- One AC outlet powers computer, display, drives, and speakers

ADB Power Requirements

- Maximum current draw for all ADB devices: 500 mA (three ADB devices maximum is recommended)
- Mouse draws 10 mA
- Keyboard draws 25 mA

Size and Weight

Main unit:
- Height: 17.5 in. (44.5 cm)
- Width: 13.5 in. (34.4 cm)
- Depth: 16.5 in. (42.0 cm)
- Weight: 41.5 lbs (18.9 kg)

Keyboard:
- Height: 1.3 in. (3.3 cm)
- Width: 16.0 in. (40.6 cm)
- Depth: 5.9 in. (15.0 cm)
- Weight: 1.96 lbs (0.89 kg)

Mouse:
- Height: 1.3 in. (3.3 cm)
- Width: 2.4 in. (6.2 cm)
- Depth: 4.2 in. (10.7 cm)
- Weight: 4.0 oz. (0.10 kg)

Operating Environment

- Operating temperature: 50 to 104° F (10 to 40° C)
- Storage temperature: -40 to 116.6° F (-40 to 47° C)
- Relative humidity: 20% to 85% noncondensing
- Maximum altitude: 15,000 ft. (4,722 m)

Article Change History:
23 November 1993 - Added "16 bit color" to resolution information for TV mode;
                   added "System Enabler 404"
30 November 1993 - Deleted incorrect sound-input information.

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