



Apple ColorSync AV Display

(also known as AppleVision 850AV)

Features

Outstanding image quality

- Features Sony Trinitron technology and anti-reflective coating for clear, sharp pictures and vivid color
- Includes Apple DigitalColor technology, which offers outstanding color matching and remarkably accurate on-screen color representation
- Adjusts for white point to emulate different viewing environments
- Keeps colors accurate and balanced over time, by compensating for ambient lighting and CRT phosphor aging

Advanced technologies

- Uses multiple-scan electronics that deliver switch-on-the-fly resolution flexibility
- Offers a range of display formats—up to 1,600 by 1,200 pixels
- Provides intuitive software control of brightness, contrast, centering, convergence, pincushion, parallelogram, keystone, white-point, and gamma adjustments

Multimedia integration

- Provides high-quality stereo sound
- Includes a directional microphone capable of voice recognition
- Is completely integrated with Macintosh computers that feature Apple AV Technologies

Ergonomic design

- Includes anti-reflective, anti-static screen coating for comfortable viewing
- Features a tilt-and-swivel display for maximum comfort and ease of use
- Connects keyboard and mouse easily via Apple Desktop Bus (ADB) connectors integrated directly into monitor base
- Complies with TCO 92 environmental standards

Compatibility

- Works with Power Macintosh, Macintosh Performa, and Macintosh Quadra computers with 68040 or later microprocessors running Mac OS version 7.1 or later
- Is Windows 95 Plug and Play certified

This Apple ColorSync AV Display is an exceptional 20-inch (19-inch diagonal viewable image size) audiovisual display designed for business professionals, desktop publishers, and multimedia authors. It has built-in software and hardware to handle the most demanding graphics work. And it unites Sony Trinitron tube technology with built-in stereo speakers and microphone.

The Apple ColorSync AV Display also delivers plug-and-play compatibility with DOS and Windows software-based computers, as well as Macintosh and Power Macintosh systems.

For high-accuracy color, the ColorSync AV Display includes Apple DigitalColor internal calibration technology, which ensures that the display's color accuracy remains true over time and in a variety of ambient lighting conditions. And it features automatic screen-to-print color matching using Apple

ColorSync 2.0 technology. It also incorporates a new anti-reflective screen coating that provides superior visibility.

Because sound is such an important part of multimedia, this Apple ColorSync AV Display has high-quality built-in stereo speakers that rival the sound of bookshelf speakers. And the built-in microphone is engineered for close-up recording, voice annotation, speech recognition, and speakerphone use.

This Apple ColorSync AV Display uses Sony Trinitron technology—the industry standard for bright, sharp, vivid screen imaging. And the multiple-scan capability allows you to view more than two full pages of text or graphics at an impressive 1,600 by 1,200 pixels.

So if you're looking for a large, high-quality display for your applications, we invite you to look closely at the 20-inch ColorSync AV Display.





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Ordering Information

Apple ColorSync AV Display (also known as AppleVision 850AV)

Order No. M5228LL/A

- AppleVision 850AV Display with built-in stereo speakers
- AppleVision software
- PC adapter
- Integrated, attached video and Apple Desktop Bus (ADB) cable
- Integrated microphone and audio input/output cable
- Power jumper cable
- Ambient light wand
- User's guide
- Limited warranty

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

Technical Specifications

Picture tube

- 20-in. (diagonal) Sony Trinitron CRT
- 19-in. (diagonal viewable image size)
- 0.25-mm aperture grille pitch

Display formats*

- 640 x 480 pixels up to 85 Hz
- 800 x 600 pixels up to 85 Hz
- 832 x 624 pixels at 75 Hz
- 1,024 x 768 pixels up to 85 Hz
- 1,152 x 870 pixels at 75 Hz
- 1,280 x 1,024 pixels up to 85 Hz
- 1,600 x 1,200 pixels at 75 Hz

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

- Anti-static, 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°K to 9,300°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 m
- 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

- 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

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

Size and weight

- 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

- FCC Part 15 Class A
- CISPR 22 Class A (EN5008211)—complies with European EMC directive
- DOC Class A
- MPR 2
- VCCI Class 1
- CE Mark
- EPA Energy Star compliant
- IEC 950
- UL 1950
- CSA 950
- EN60950
- NUTEK
- TCO 92

System requirements

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

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

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