Apple ColorSync Display
(also known as AppleVision 850)

The 20-inch (19-inch diagonal viewable image size) Apple ColorSync Display was designed with the demanding business user in mind. It's the perfect choice for journalists, photographers, and desktop publishers, as well as anyone who demands resolution flexibility and color accuracy in a two-page display.

It's equipped with Sony Trinitron CRT technology, featuring a 0.25-mm aperture grille pitch for crisp, bright color images from corner to corner.

The Apple ColorSync Display also features compatibility with DOS and Windows software–based computers, as well as Macintosh and Power Macintosh systems.

For high-accuracy color, the Apple ColorSync 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.

Its multiple-scan technology lets you view more than two full pages of text or graphics at an impressive 1,600 by 1,200 pixels, making it easy to do even the most detailed work.

Sharp, clear, large-screen display technology combined with state-of-the-art digital color controls make the 20-inch Apple ColorSync Display the logical choice for demanding users who need a two-page color display.

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

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

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- AppleVision 850 Display
- AppleVision software
- PC adapter
- Integrated, attached video and Apple Desktop Bus (ADB) 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 55 Hz
- 800 x 600 pixels up to 55 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

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

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 264 V AC
- Frequency: 47 to 63 Hz, single phase
- Power: 150 W (maximum) when operating; less than 30 W in standby mode; less than 5 W 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: 18.7 in. (47.5 cm)
- Width: 19.1 in. (48.5 cm)
- Depth: 20.2 in. (51.5 cm)
- Display weight: 67.4 lb. (30.6 kg)
- Fully boxed weight: 78.5 lb. (35.7 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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ColorSync 2.0