



Tech Info Library

Color OneScanner: Description

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Security: Everyone

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TOPIC -----

The Apple Color OneScanner is a 24-bit one-pass color flatbed scanner. It builds on the strengths of the grayscale OneScanner, while adding full color capabilities. It provides professional quality with one-button simplicity.

Software shipping with the Color OneScanner:

- Ofoto 2.0, an improved version of the scanning software from Light Source, Inc.
- ColorSync color-matching software.
- HyperScan 2.0.1, which makes it easy to scan into HyperCard.

The OneScanner accessory kit also includes a book called The Basics of Color Design.

DISCUSSION -----

Hardware and Software

In size and shape, the Color OneScanner is almost identical to the original OneScanner, and the internal layout is similar.

The logic and mechanics, however, are all new. The Color OneScanner uses a Tri-linear CCD to capture eight bits each of red, green, and blue in one pass. A one-pass scanner samples all three colors at the same time, resulting in truer color and better registration than a scanner that makes separate passes for each primary color. It also allows image processing on the fly, resulting in faster scans and better user interaction during the scanning process.

The Apple Color OneScanner is designed from the ground up to take full

advantage of Apple's ColorSync technology. (A separate TIL article has details on color matching.)

The main logic board contains a specially designed Apple ASIC to perform color correction in hardware. The scanner's gamut (color range) closely resembles that of the Apple 14" RGB Display, making color matching easier.

The Color OneScanner can generate ColorSync profiles for printers, and Ofoto 2.0 makes full use of ColorSync to manage color -- making sure that the results match the original as closely as possible without user intervention.

Features

- Simplicity
 - One-button fast-pass scanning
 - Balloon Help
 - Powerful yet easy-to-use rotation, selection, and scaling tools

- Image quality
 - Selectable 75- to 1200-dpi scanning resolution
 - Three optical sensors precisely aligned for excellent color registration
 - Works with ColorSync for accurate, sharp colors
 - Includes Ofoto software for clear, sharp images

- Versatility
 - Scans documents up to 8.5 x 14 inches
 - User-controlled scanning or Autoscan
 - Choice of resolution: 75, 150, 300, 600, or 1,200 dpi

- Compatibility
 - Compatible with all Macintosh computers with 68020 processor or greater
 - Compatible with most Macintosh applications, including word processing, presentation, graphics, database, and page-layout programs
 - PICT, TIFF, and EPS file formats

Ordering Information

Apple Color OneScanner: Order No. B0993LL/A

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