



Provides capability to print high-quality, color or black-and-white images using MACINTOSH II, IIx and IIcx Computers and KODAK SV6500 Series Printers

- A cost-effective printing solution—no expensive image capture board required
- Easy to use pull-down menu software lets you control contrast, brightness, and color; select areas of images
- to print and mirror images
- Load and save images to disk in PICT or PICT2 formats

KODAK SV630 Interface Kit

For KODAK SV6500 Series Printers to MACINTOSH II Series Computers



ELECTRONIC STILL PHOTOGRAPHY

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This hardware/software interface kit provides bidirectional communications capabilities between a MACINTOSH II, IIx or IIcx Computer and KODAK SV6500 Series Printers.

KODAK SV Series Printers are true-color, continuous tone thermal printers with a built-in 24-bit capture board. The printers have NTSC composite and RGB video inputs and outputs for video capture and display, in addition to a digital interface.

The NUBUS Parallel Interface Card, CENTRONICS Interface Cable, and software supplied with the kit allow the downloading of PICT* and PICT2* scrapbook and clipboard files to the KODAK SV Series Printers for digital printing or video output. Also, images captured from video sources to the KODAK SV Series Printer framestore can be uploaded to the MACINTOSH computer for saving as PICT2 Files.

Features and Advantages

- Print full-color and black-and-white continuous-tone images from a wide variety of MACINTOSH Computer graphics and editing software.
- Capture images from NTSC composite or RGB video sources using the printer's 24-bit framestore. Upload to the MACINTOSH Computer for saving in a variety of resolutions from 24-bit color to black-and-white.
- Control print contrast, brightness and color balance. Save these settings with user-friendly control panel.
- Select print orientation, image area to be printed and print enhancement from printer dialog. Control all printer functions—capture, live/stored display, print framestore and others—from pull-down menus.
- Output NTSC composite or RGB video from any MACINTOSH Computer image for recording

to VCR or still video recorder.

- Fully support Apple's 32-bit QUICKDRAW Software for display and manipulation of full-color images with any monitor/-display card combination.
- Includes necessary hardware and software to connect any MACINTOSH II Series Computer to any KODAK SV Series Printer. Components include:
 - NUBUS Bidirectional Parallel Interface Card, easily installed into the MACINTOSH computer.
 - Parallel interface cable to connect interface card to printer.
 - Three 3.5-inch floppy disks with KODAK SV6500 Series Printer software; Test Image. MACINTOSH System Tools and 32-bit QuickDraw.
 - Comprehensive user's manual.

Capabilities

Printing Images

KODAK SV6500 Series Printer software allows the user to display any PICT2 file up to 24 bits. PICT2 files can be created from a variety of MACINTOSH applications. Additionally, images may be transferred to the SV Printer application using the clipboard or scrapbook.

KODAK SV6500 Series Printers display images to the monitor at the highest color resolution supported by the monitor/card combination. If the display system's color resolution is less than the color resolution of the image, then the image will be dithered to provide the best possible representation on the monitor. This means

*PICT2 is the standard file format for color graphics and images used by APPLE Computers. PICT is the black-and-white format. Many graphics software packages support saving in these formats.

that even with a black-and-white display system, 24-bit images can be displayed and printed with the prints retaining the full 24 bits of color information. With an 8-bit display system, the images are displayed in dithered color. With a 24-bit or 32-bit display system, the images are displayed in full color.

Once an image is displayed on the MACINTOSH Computer monitor, the whole image (or any portion of it) may be downloaded to the printer's framestore. This process takes approximately 40 seconds, with a print produced in an additional 90 seconds.

The Print Correction Setting window allows user control over image contrast, brightness and color balance. These settings may be named and saved to disk for use with other images or the same image at a later time.

Capturing Images

Images may be captured from any NTSC composite or RGB video source attached to the KODAK SV Series Printer, then uploaded to the MACINTOSH computer for storage to disk. A range of color resolutions is available for saving images, with and without the dithering feature. Images may be saved at 1 bit/pixel (Black-and-white); 2 bits/pixel (4 colors), 4 bits/pixel (16 colors); 8 bits/pixel (256 colors); 16 bits/pixel (65,536 or "thousands" of colors); or 24 bits/pixel (16,777,216 or "millions" of colors). These images may then be imported into a variety of MACINTOSH Computer applications.

Video Output of Images

The framestore in KODAK SV Series

Printers provides a convenient method of displaying MACINTOSH Computer images on standard NTSC monitors or recording images to video tape or video disc. Using the KODAK SV Series Printer software to download the image to the printer, and connecting the recorder or monitor to the NTSC composite or RGB video output, provides a high-quality means of transferring MACINTOSH Computer images to video.

Specifications and General Data

KODAK SV630 Interface Kit CAT No. 171 8568

Hardware requirements:

- MACINTOSH II, IIx or IIcx Computer with one available NUBUS Expansion Slot for the SV630 Interface Kit parallel interface card
- With 2 megabytes of RAM, 24-bit images will be converted to 8 bits and dithered for display and printing — including images captured using the printer. With 4 megabytes of RAM, 24-bit images may be displayed, printed and captured. With 5 or more megabytes of RAM, the software can be run with other graphic applications under MULTIFINDER.
- Hard disk recommended

Image transfer times:

- MACINTOSH Computer to KODAK SV Series Printer: < 40 seconds
(Note: approximately 90 additional seconds to print)

- KODAK SV Series Printer to MACINTOSH Computer: < 80 seconds

Image storage and retrieval times (based on 640 x 512 x 24-bit image):

- Store to disk: < 25 seconds
- Retrieve and display (with dithering): < 25 seconds
- Retrieve and display (without dithering): < 20 seconds

Image file format:

- MACPAINT, PICT, PICT2 (1-, 2-, 4-, 8-, 16-, 24- and 32-bit)

Printed image controls:

- Contrast
- Brightness
- Color correction
- Print orientation (horizontal or vertical)
- Mirror image (flip horizontally)
- Print quad image (prints image four-up)
- Print selected area (preview window allows selection of area to be printed)
- Image enhancement

Printer controls:

- Define border width
- Field/frame select for display and printing
- Capture video image
- Print framestore

Display controls:

- Turn display dithering on/off
- Set display color resolution — black-and-white, 4 colors, 16 colors, 256 colors, thousands of colors, millions of colors

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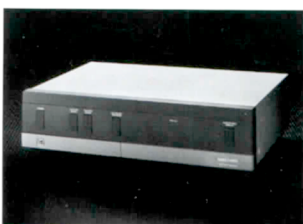
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Video Transfer Stands



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Color Video Print Set



KODAK SV630 Interface Kit
for SV6500 Series Printers to
MACINTOSH II Computers



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