

KODAK
STILL VIDEO SYSTEM
APPLICATIONS/CONFIGURATIONS

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X-62382

GENERAL NOTES:

1. The principal computers we intend to interface with are the IBM PC, the Apple II series and the Macintosh.
2. Video Files are shown within this document to simplify the illustration. However, a Single Disk Player/Recorder could be substituted in almost every case.
3. The feasibility of duping still video floppies needs further investigation.

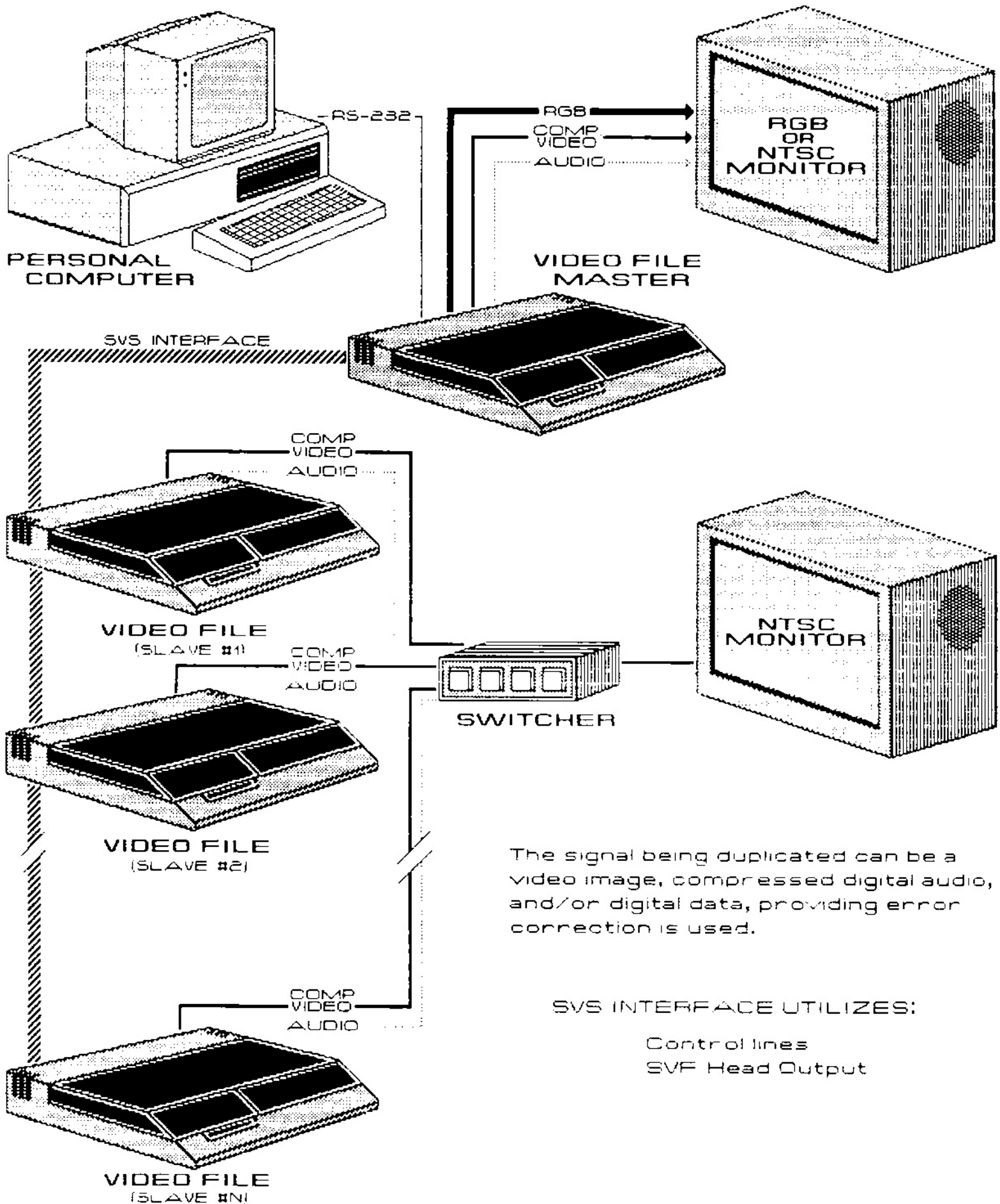
SVS

APPLICATIONS/CONFIGURATIONS

1. DUPLICATION/EDITING
2. MULTI IMAGE DISPLAY
3. UNMANNED MULTI IMAGE TRANSMISSION
4. UNMANNED MULTI IMAGE PRINTING
5. COMPUTER CONTROLLED IMAGE
MANIPULATION
6. COMBINING COMPUTER GRAPHICS/TEXT
WITH IMAGE DATA
7. DIGITAL IMAGE STORAGE ON COMPUTER
DISK
8. INTERACTIVE COMPUTER APPLICATIONS

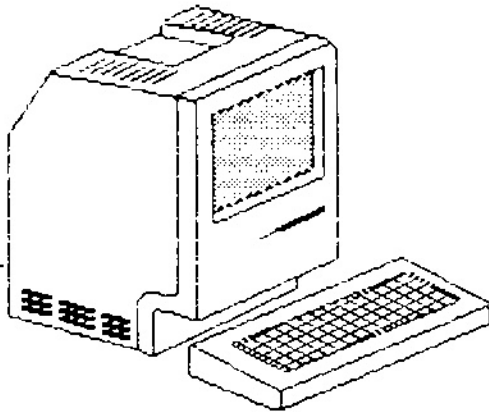
DUPLICATION/EDITING

DUPLICATION/EDITING



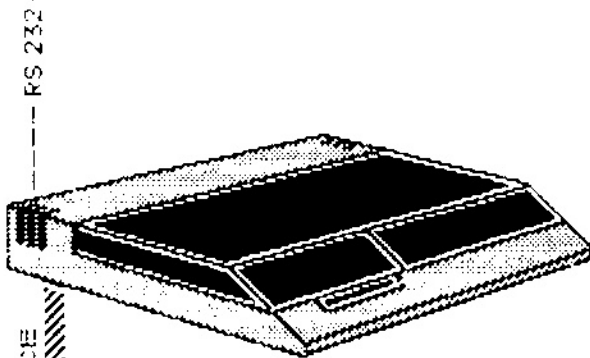
MULTI IMAGE DISPLAY

MULTI IMAGE DISPLAY

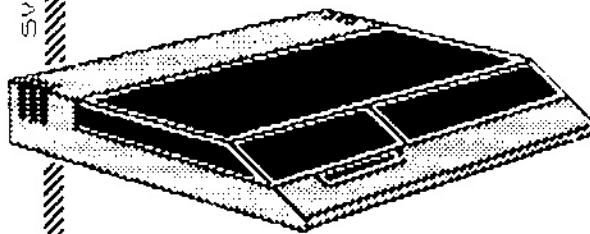


PERSONAL COMPUTER

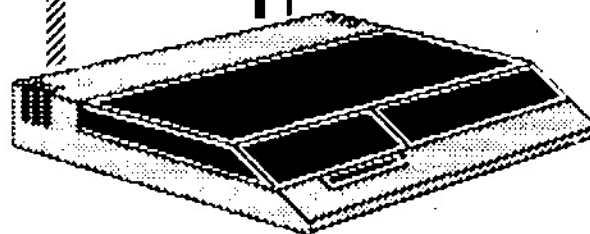
A computer, through the RS-232 serial interface, controls each of the Video Files allowing for pre-programmed random access selection and display of multiple images. Video Files need to be Gen-locked to one another for smooth transitions from image to image.



VIDEO FILE #1



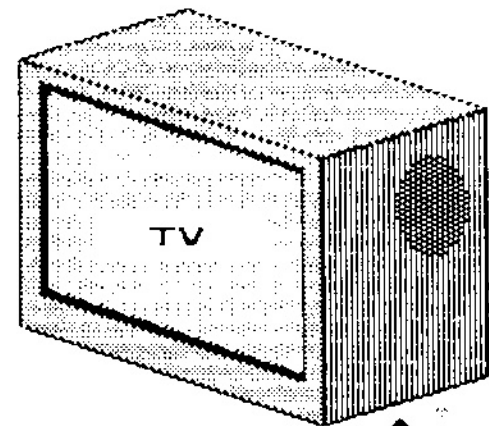
VIDEO FILE #2



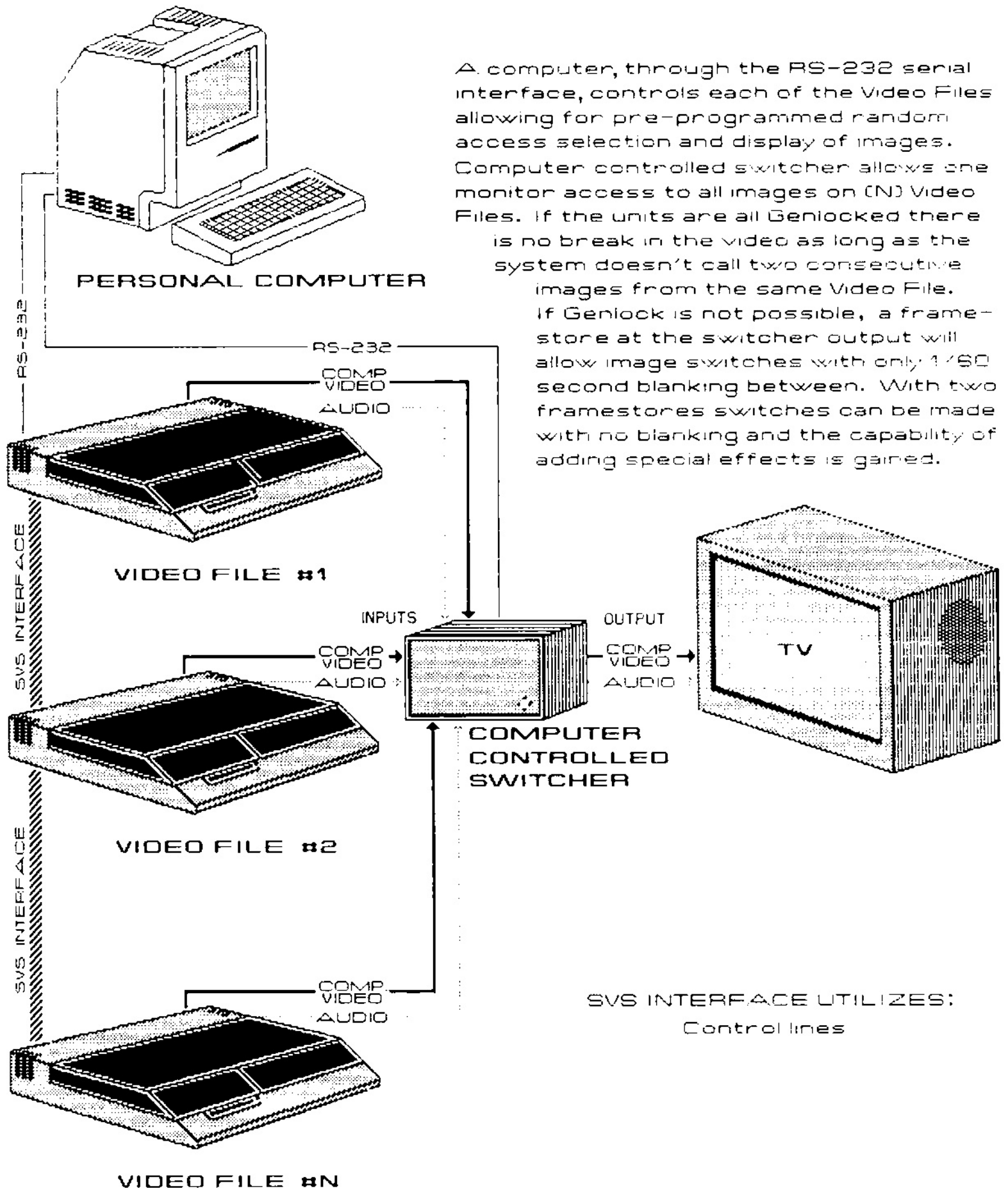
VIDEO FILE #N

SVS INTERFACE UTILIZES:

Control lines
SVF Head Output



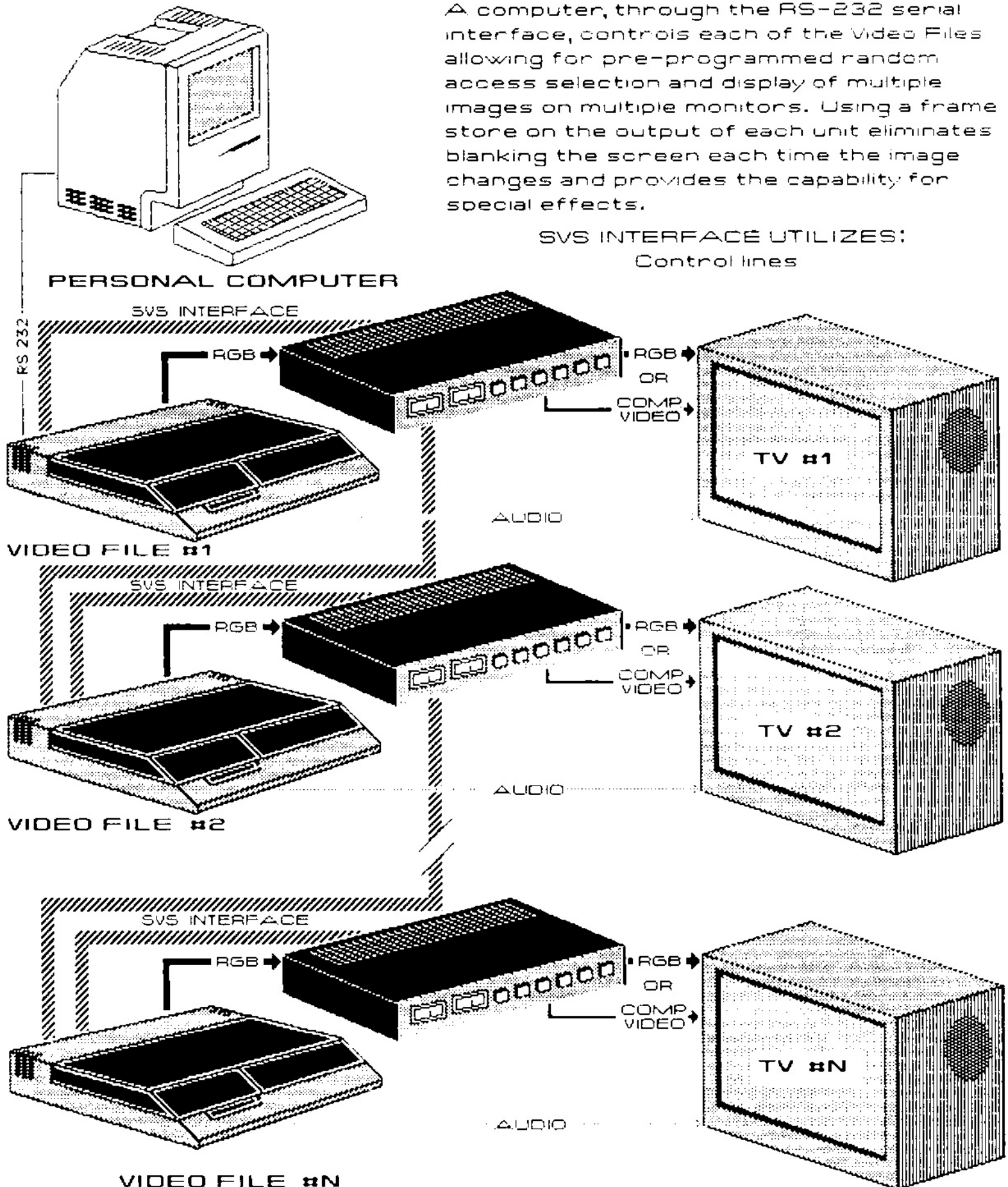
MULTI IMAGE DISPLAY



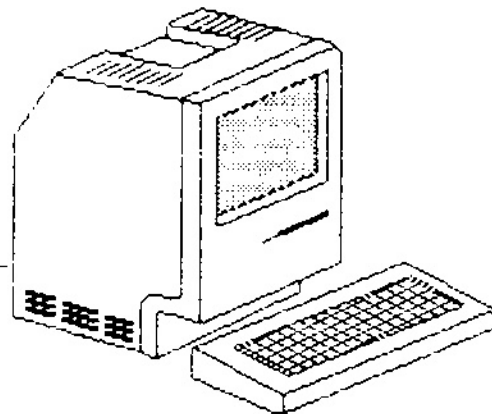
MULTI SCREEN DISPLAY

A computer, through the RS-232 serial interface, controls each of the Video Files allowing for pre-programmed random access selection and display of multiple images on multiple monitors. Using a frame store on the output of each unit eliminates blanking the screen each time the image changes and provides the capability for special effects.

SVS INTERFACE UTILIZES:
Control lines



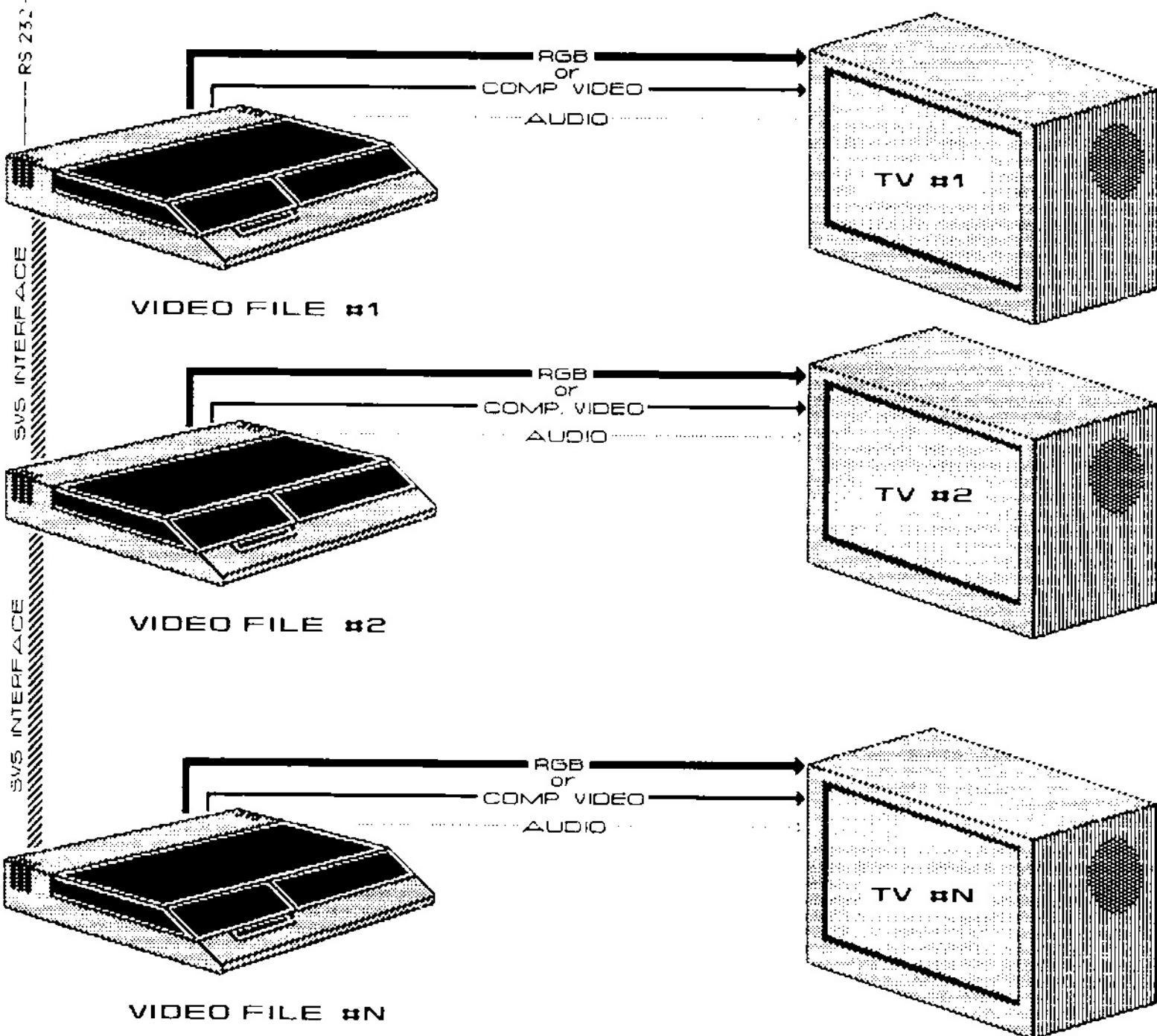
MULTI SCREEN DISPLAY



PERSONAL COMPUTER

A computer, through the RS-232 serial interface, controls each of the Video Files allowing for pre-programmed random access selection and display of multiple images on multiple monitors.

SVS INTERFACE UTILIZES:
Control Lines



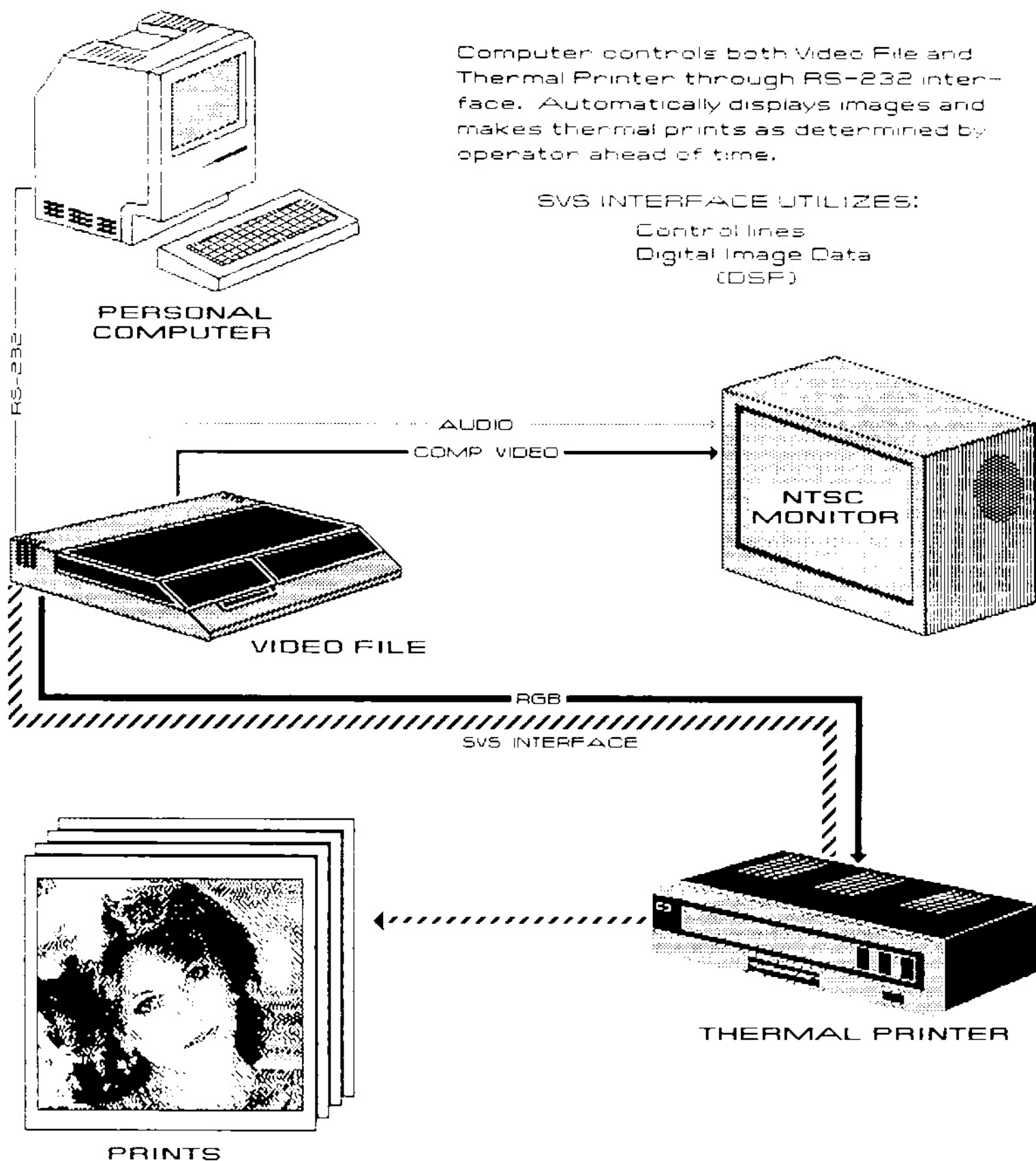
UNMANNED MULTI IMAGE PRINTING

UNMANNED MULTI IMAGE PRINTING

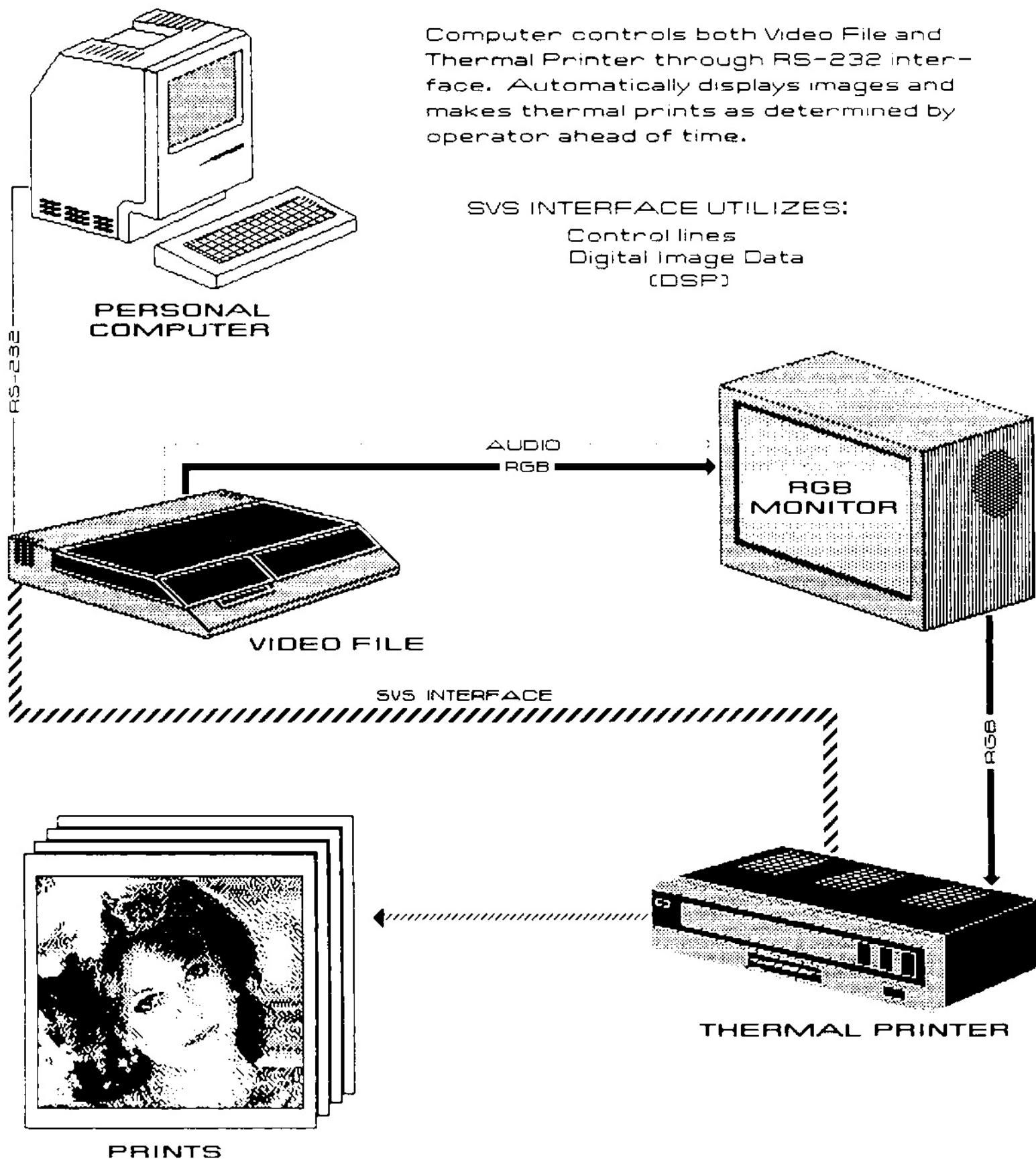
Computer controls both Video File and Thermal Printer through RS-232 interface. Automatically displays images and makes thermal prints as determined by operator ahead of time.

SVS INTERFACE UTILIZES:

Control lines
Digital Image Data
(DSP)



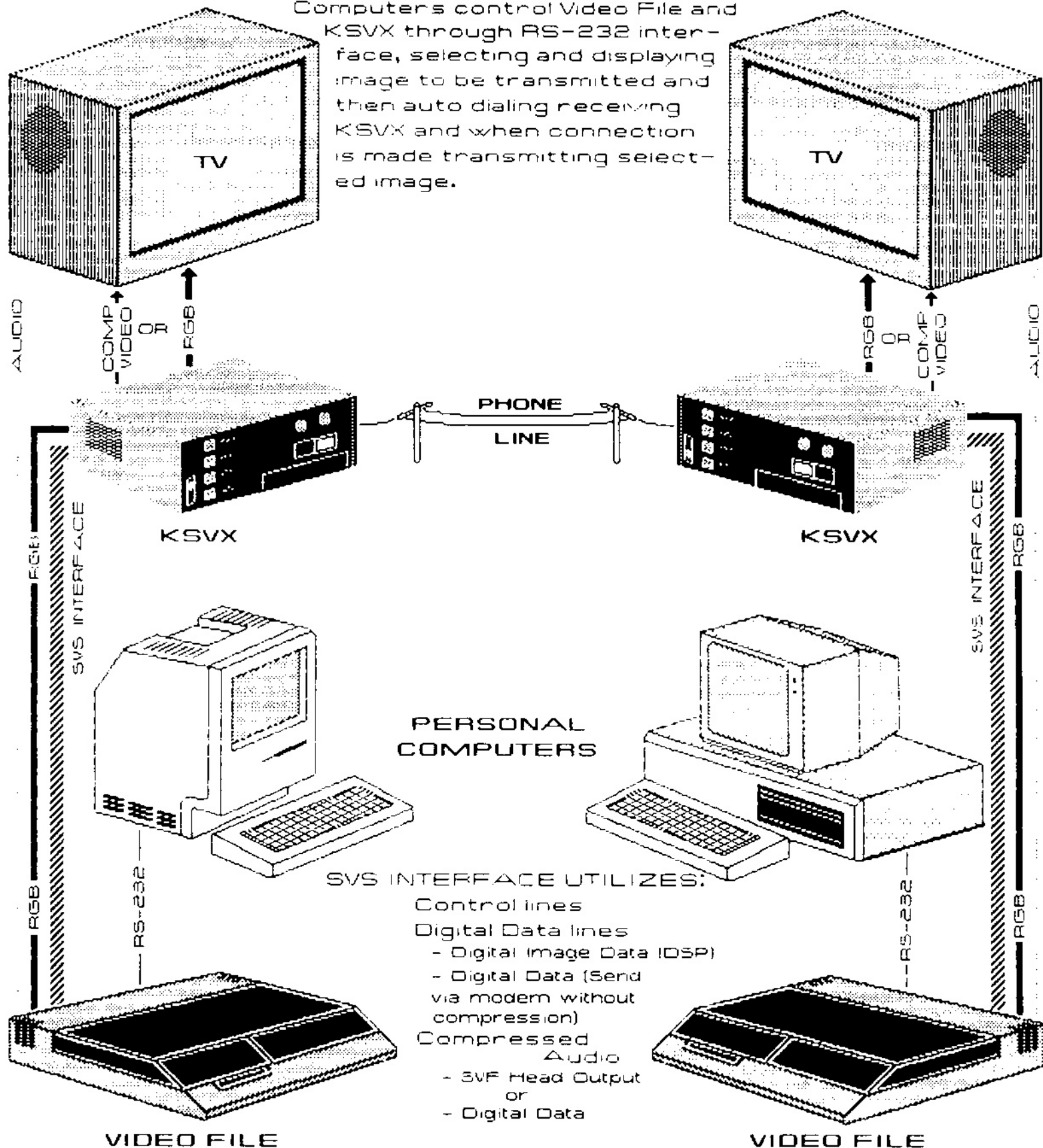
UNMANNED MULTI IMAGE PRINTING



UNMANNED MULTI IMAGE TRANSMISSION

UNMANNED MULTI IMAGE TRANSMISSION

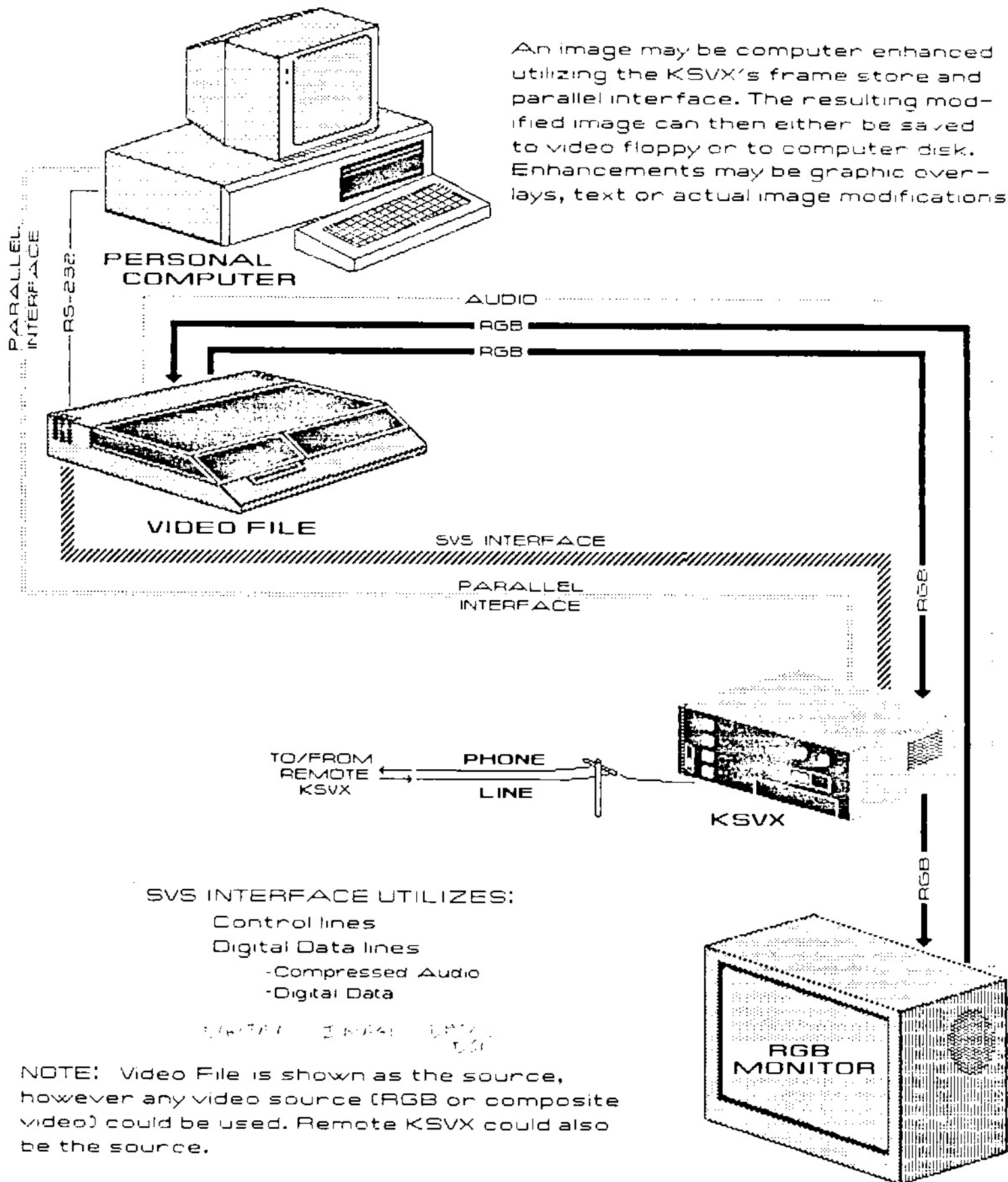
Computers control Video File and KSVX through RS-232 interface, selecting and displaying image to be transmitted and then auto dialing receiving KSVX and when connection is made transmitting selected image.



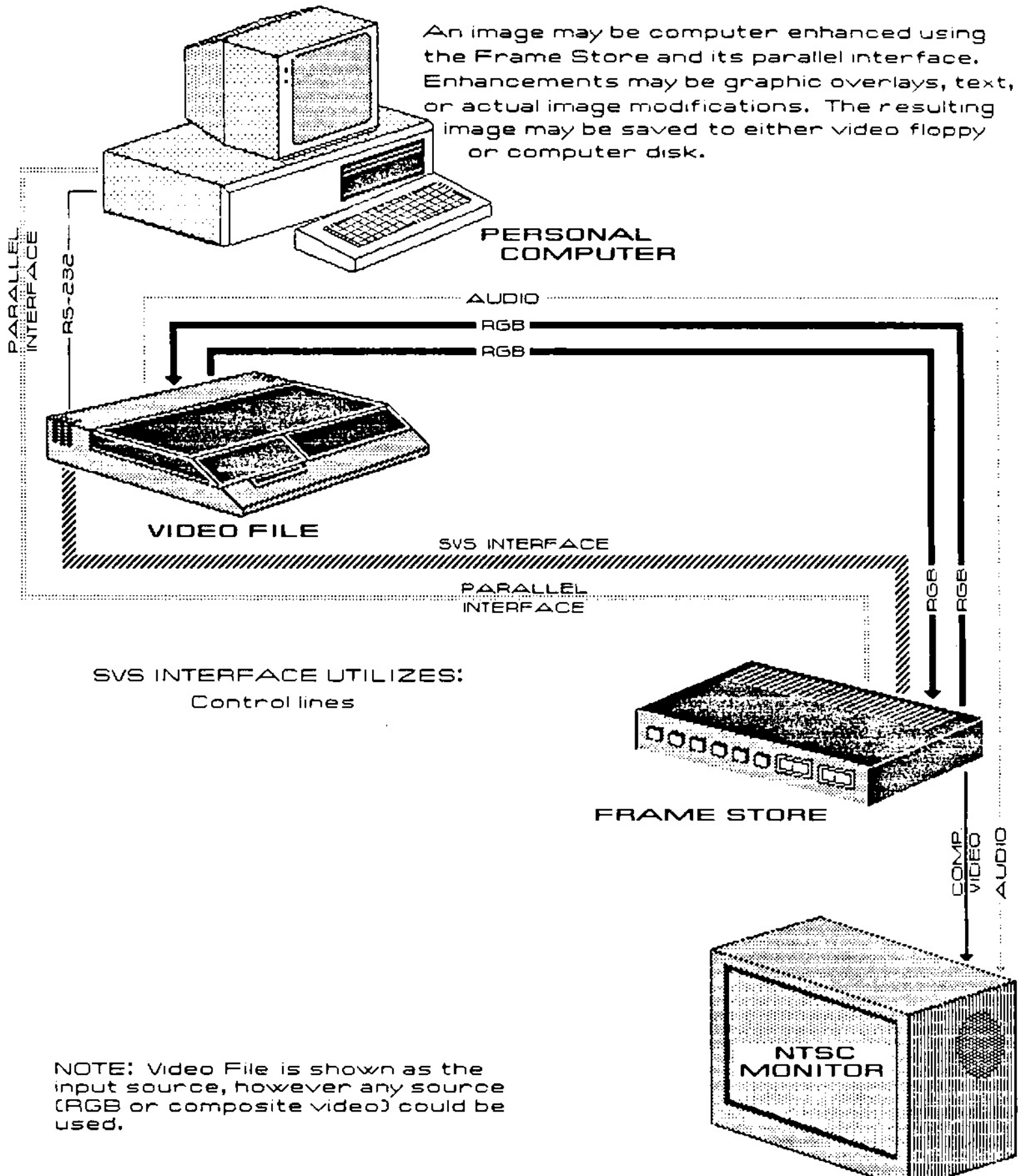
COMPUTER CONTROLLED IMAGE MANIPULATION

COMPUTER CONTROLLED IMAGE MANIPULATION

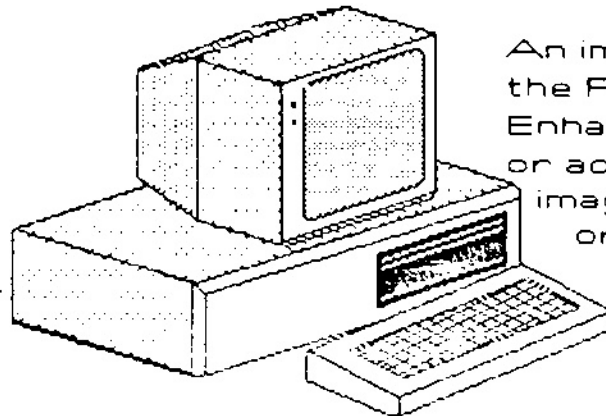
An image may be computer enhanced utilizing the KSVX's frame store and parallel interface. The resulting modified image can then either be saved to video floppy or to computer disk. Enhancements may be graphic overlays, text or actual image modifications



COMPUTER CONTROLLED IMAGE MANIPULATION



COMPUTER CONTROLLED IMAGE MANIPULATION

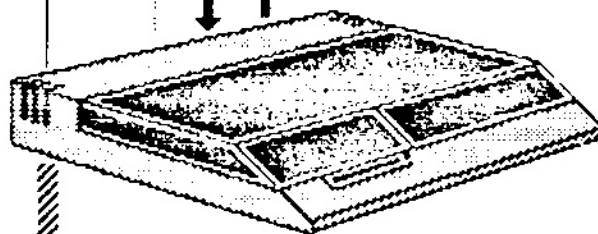


An image may be computer enhanced using the Frame Store and its parallel interface. Enhancements may be graphic overlays, text, or actual image modifications. The resulting image may be saved to either video floppy or computer disk.

PERSONAL
COMPUTER

PARALLEL
INTERFACE

RS-232



VIDEO FILE

AUDIO

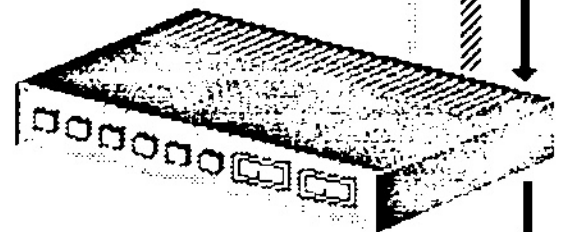
RGB

RGB

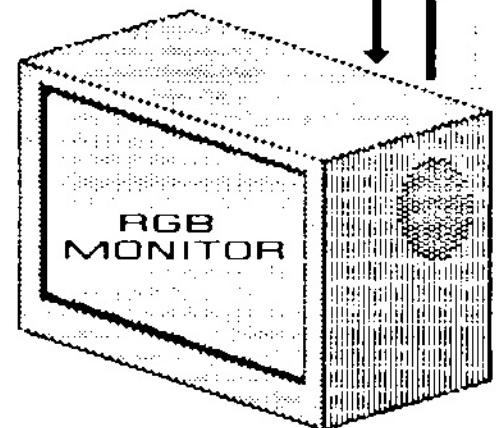
SVS INTERFACE

PARALLEL
INTERFACE

SVS INTERFACE UTILIZES:
Control lines



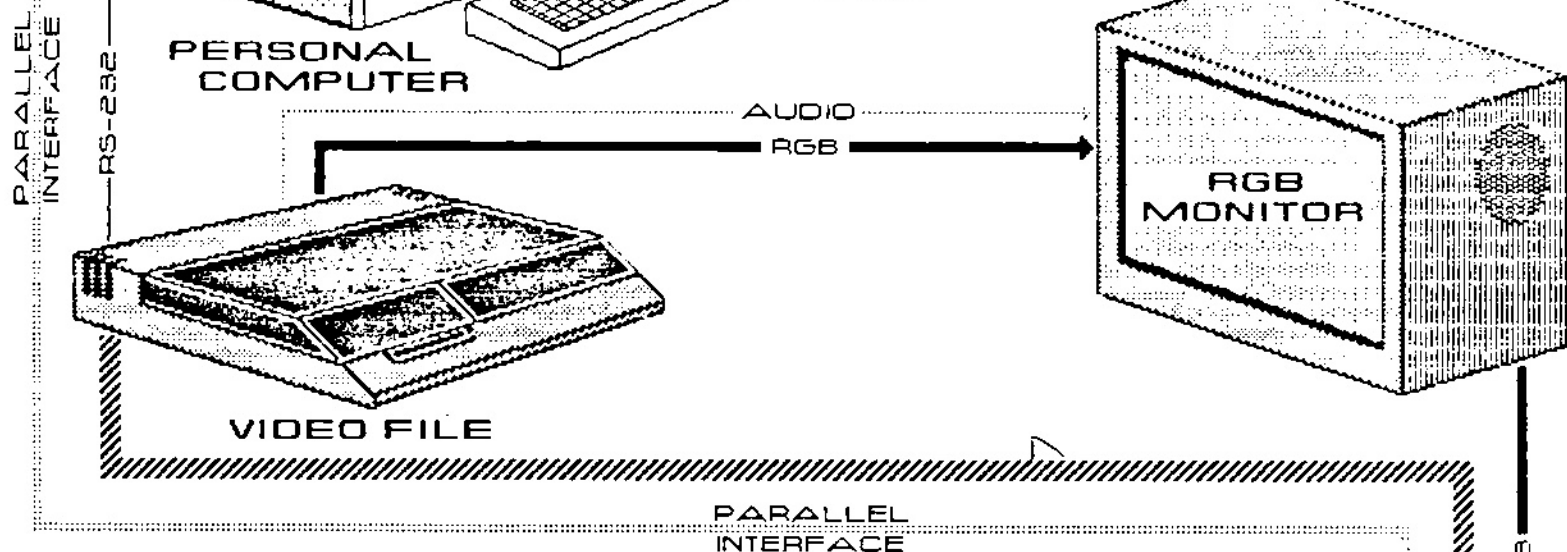
FRAME STORE



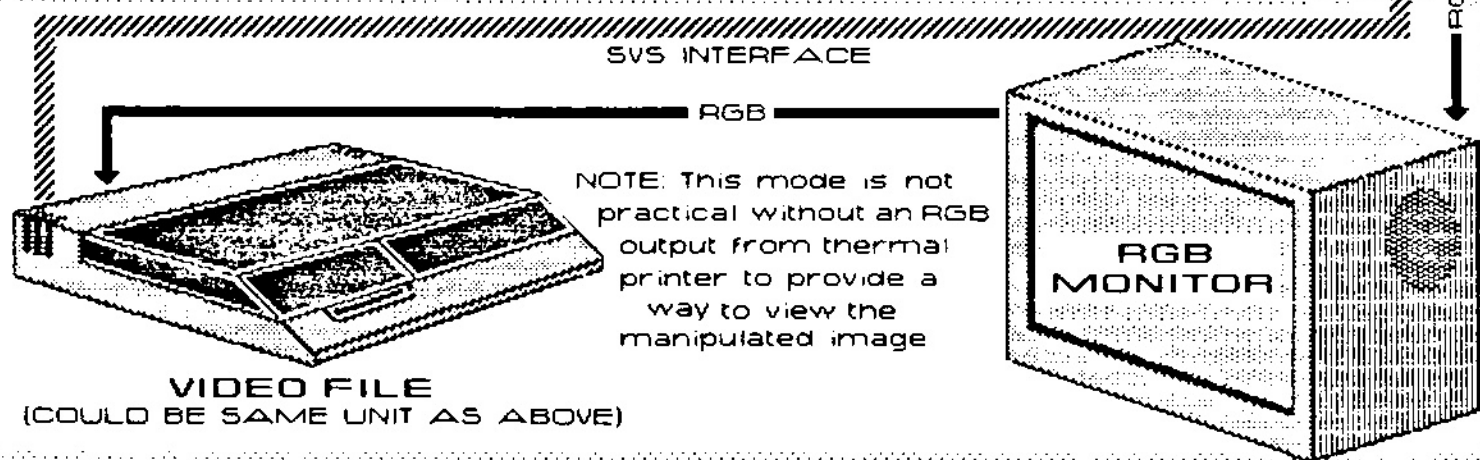
RGB
MONITOR

NOTE: Video File is shown as the input source, however any source (RGB or composite video) could be used.

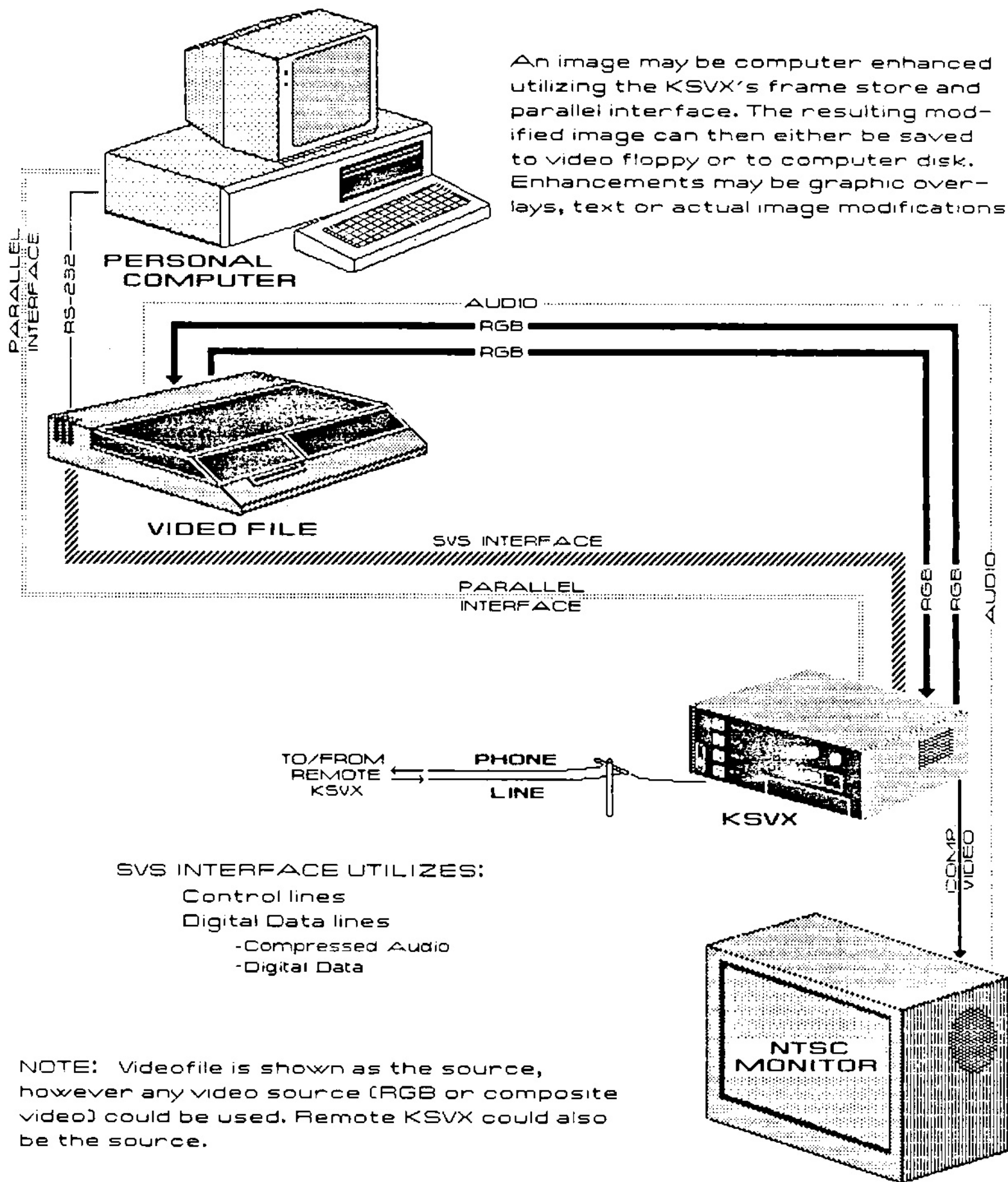
NOTE: Video File is shown as the input source, however any source (RGB or composite video) could be used.



PRINTS



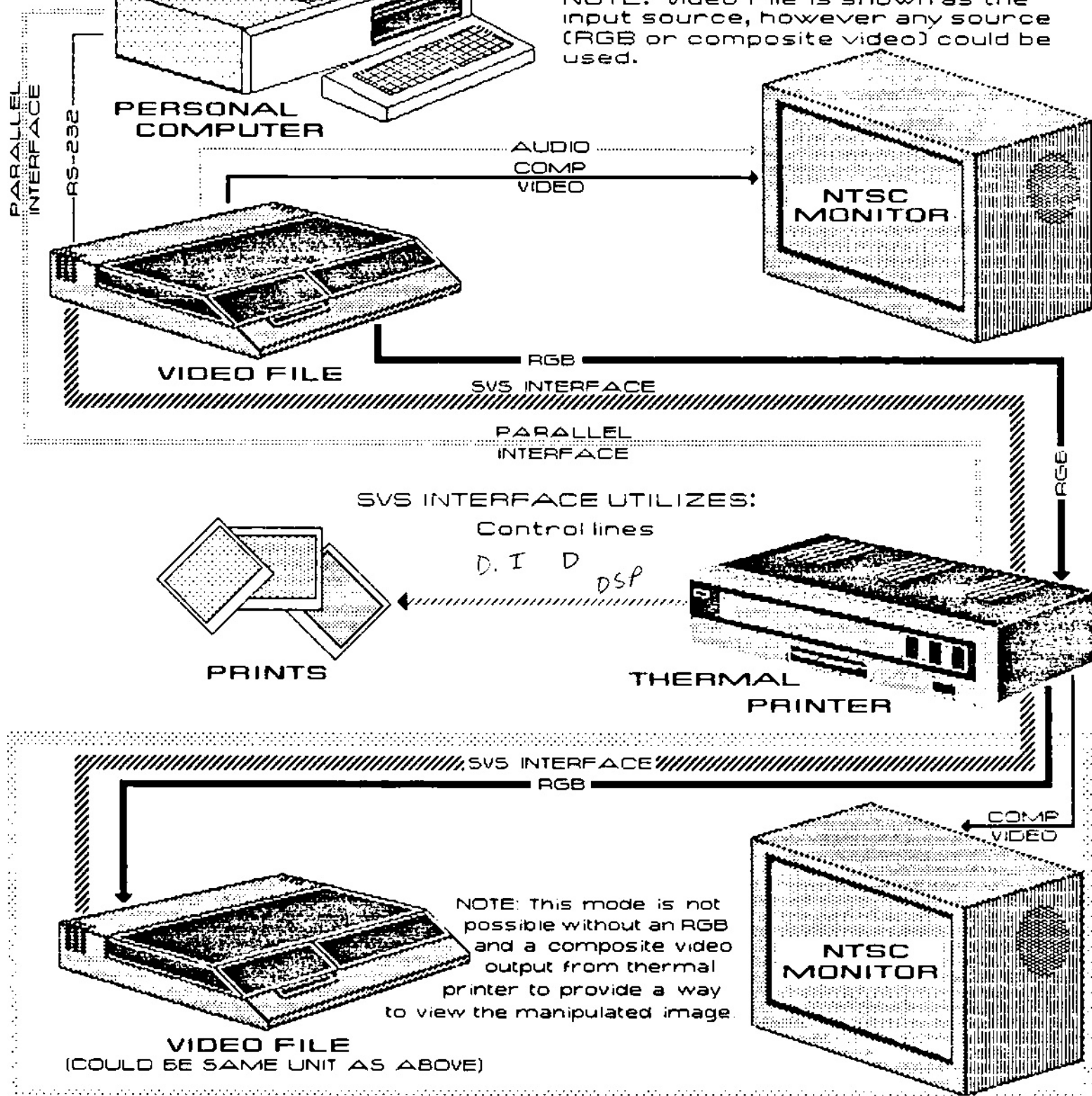
COMPUTER CONTROLLED IMAGE MANIPULATION



COMPUTER CONTROLLED IMAGE MANIPULATION

An image may be computer enhanced using the Thermal Printer's frame store and its parallel interface. Enhancements may include graphic overlays, text, or actual image modifications. The final image may then be saved to either video floppy or computer disk or printed with the Thermal Printer.

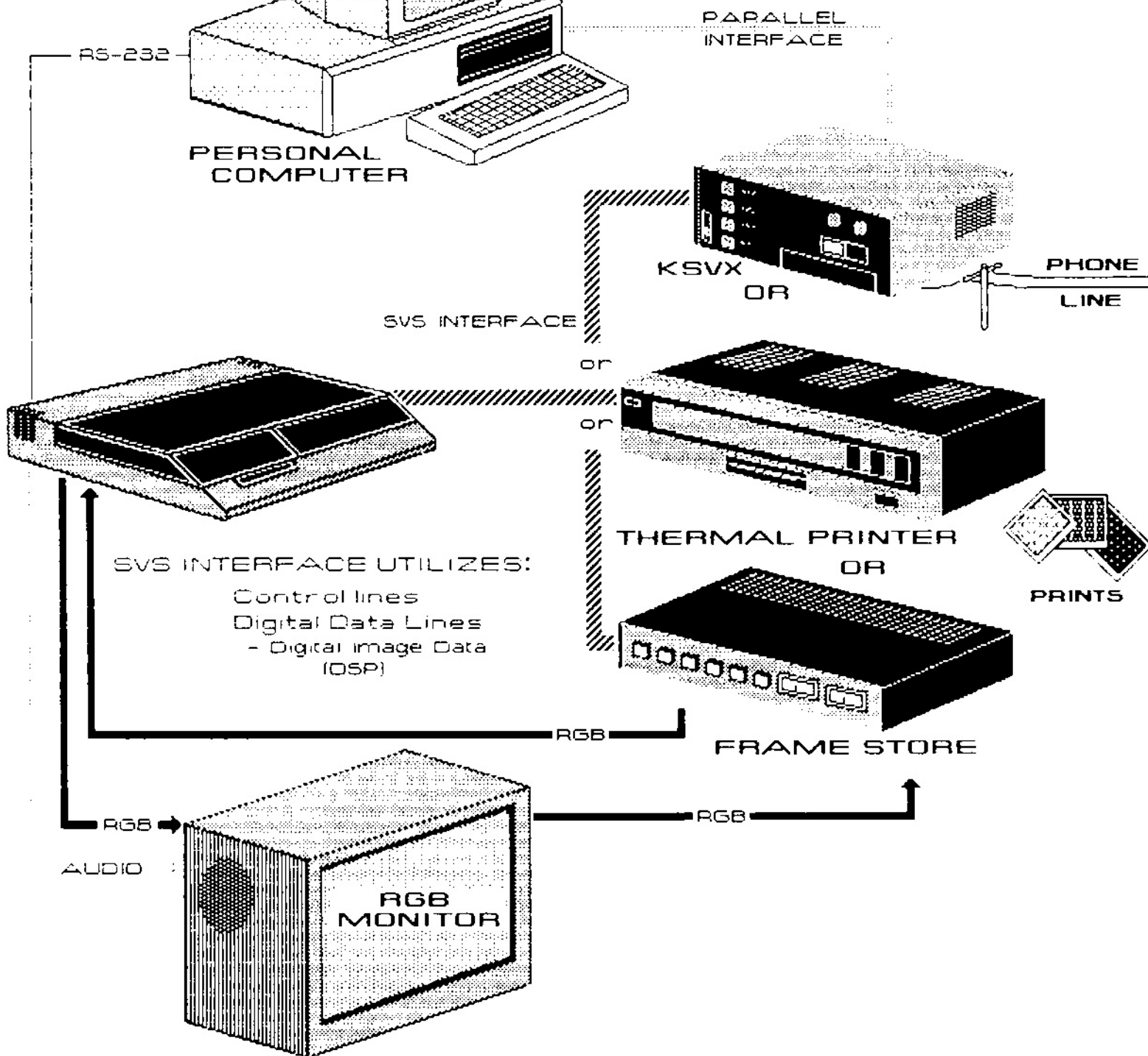
NOTE: Video File is shown as the input source, however any source (RGB or composite video) could be used.



**COMBINING COMPUTER
GRAPHICS/TEXT WITH
IMAGE DATA**

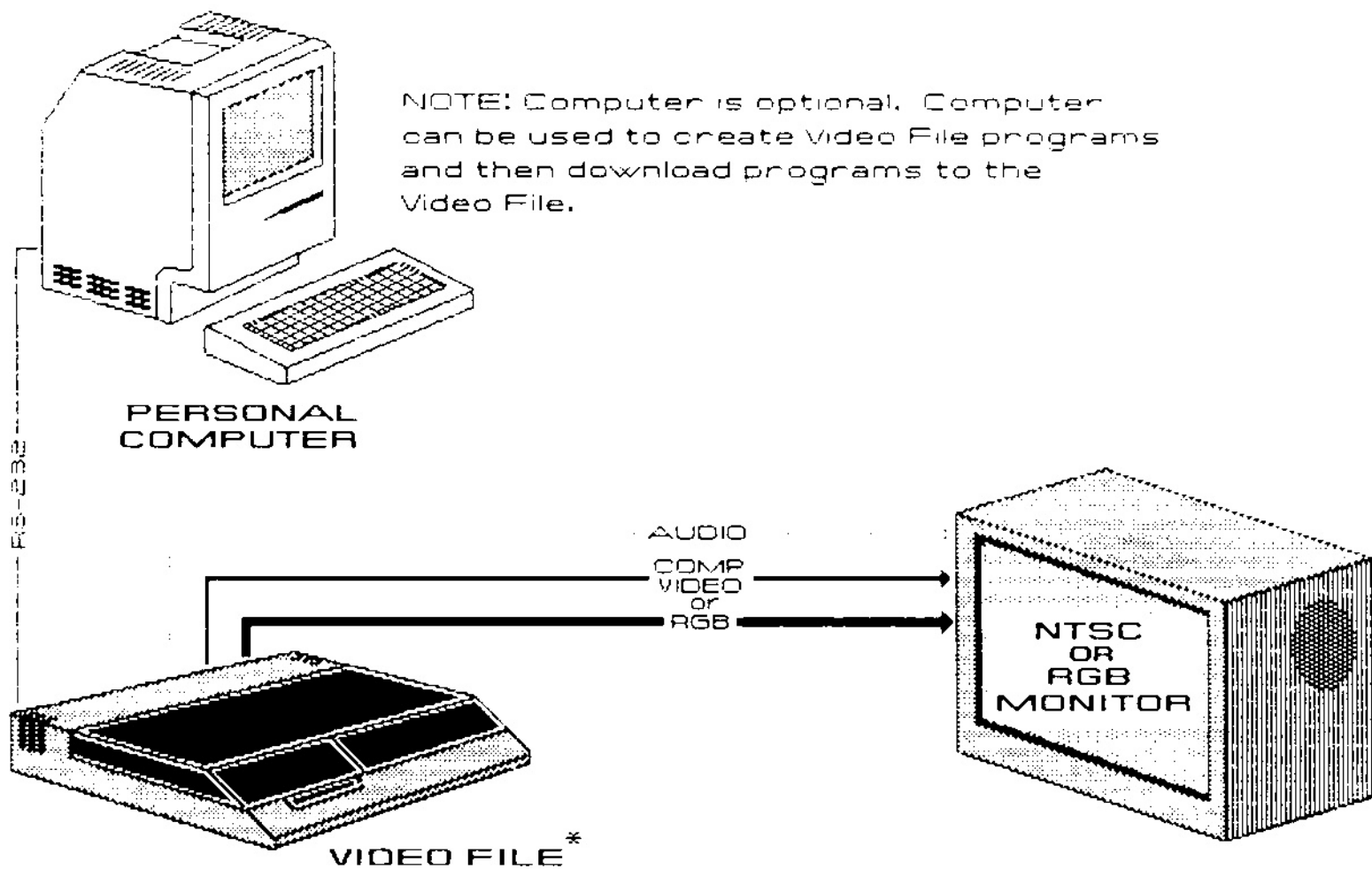
COMBINING COMPUTER GRAPHICS/TEXT WITH IMAGE DATA

Utilizing the framestore and parallel interface capabilities of these units allows users to combine computer generated graphics and text with image data.



COMBINING TEXT ONLY WITH IMAGE

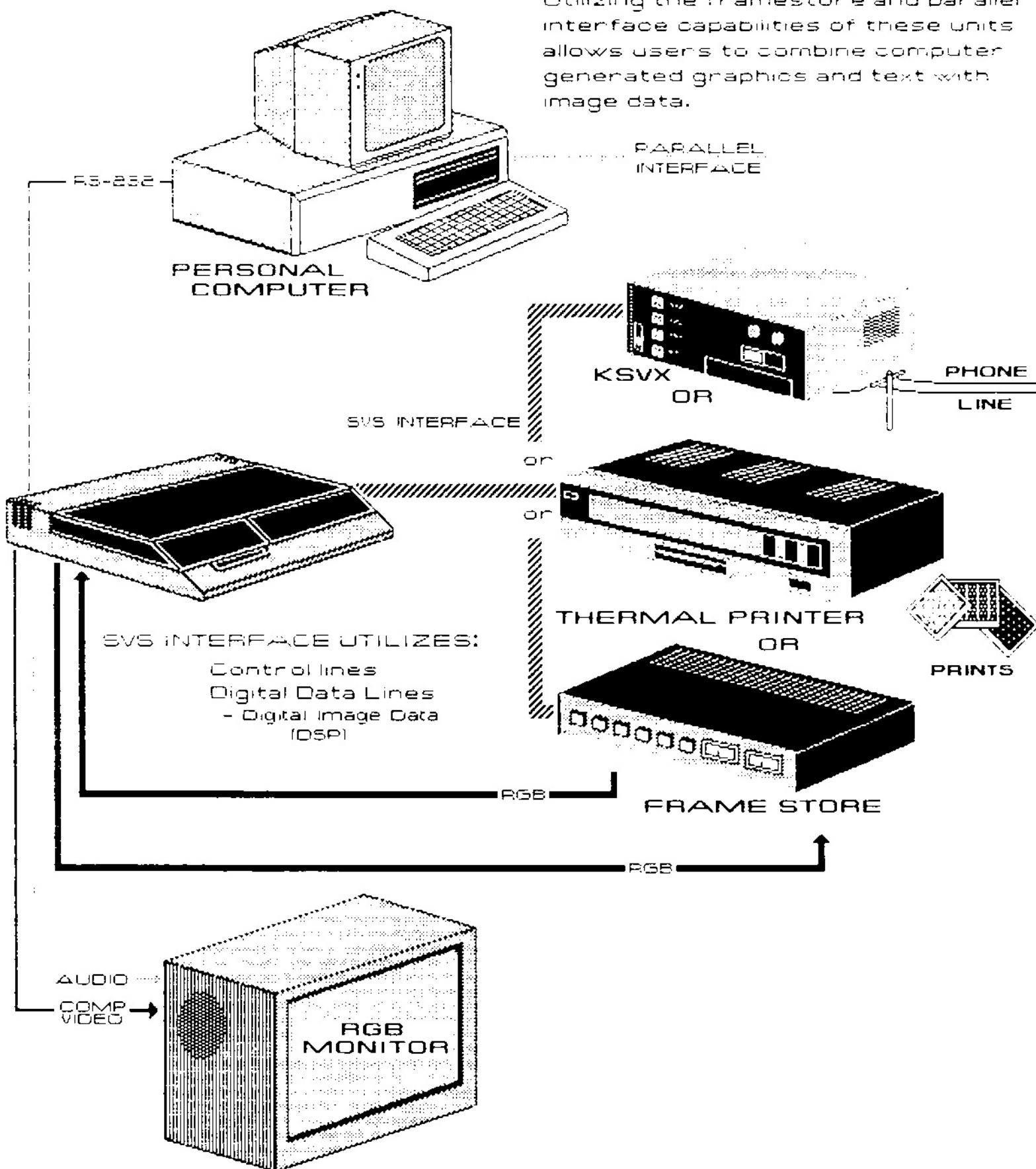
NOTE: Computer is optional. Computer can be used to create Video File programs and then download programs to the Video File.



* Desired text is stored in the Video file cartridge memory, each image can be displayed with or without this stored text as desired. Capable of storing 8,000 characters in a Video file cartridge memory.

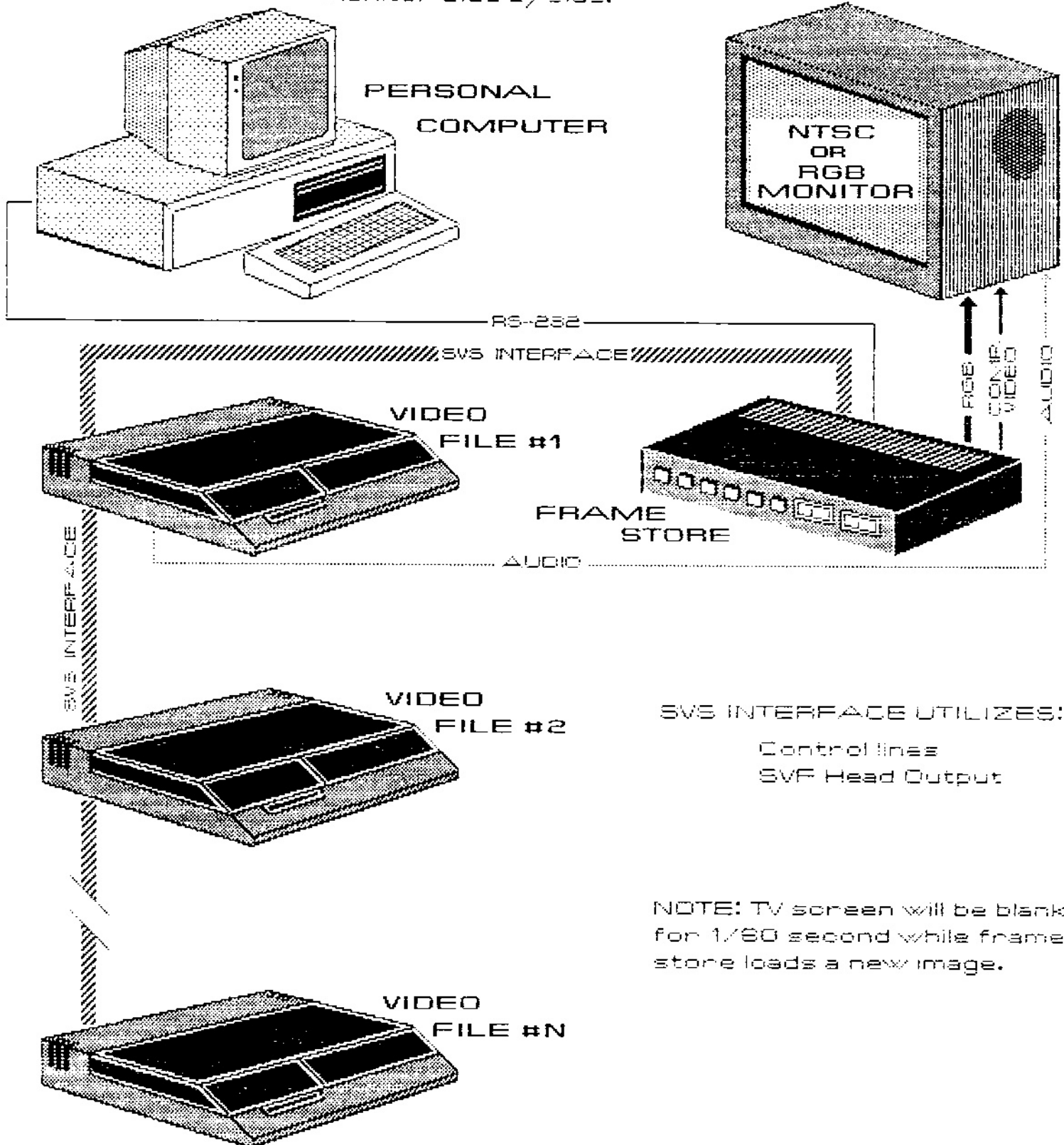
COMBINING COMPUTER GRAPHICS/TEXT WITH IMAGE DATA

Utilizing the framestore and parallel interface capabilities of these units allows users to combine computer generated graphics and text with image data.



INTERACTIVE COMPUTER APPLICATIONS

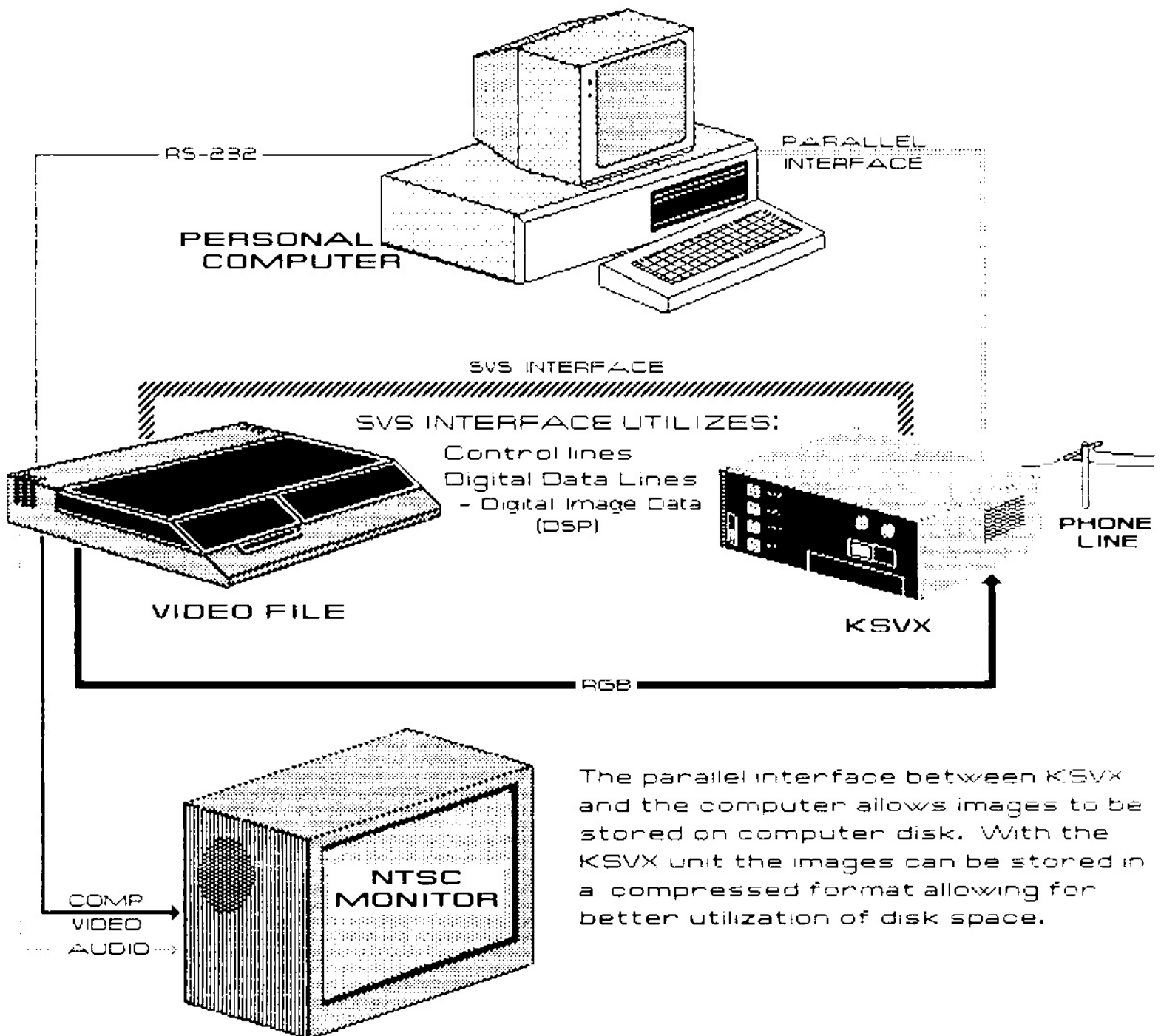
Computer graphics/text and video images simultaneously.
Computer monitor and video monitor side by side.



DIGITAL IMAGE STORAGE ON COMPUTER DISK

DIGITAL IMAGE STORAGE ON COMPUTER DISK

COMPRESSED DIGITAL IMAGE

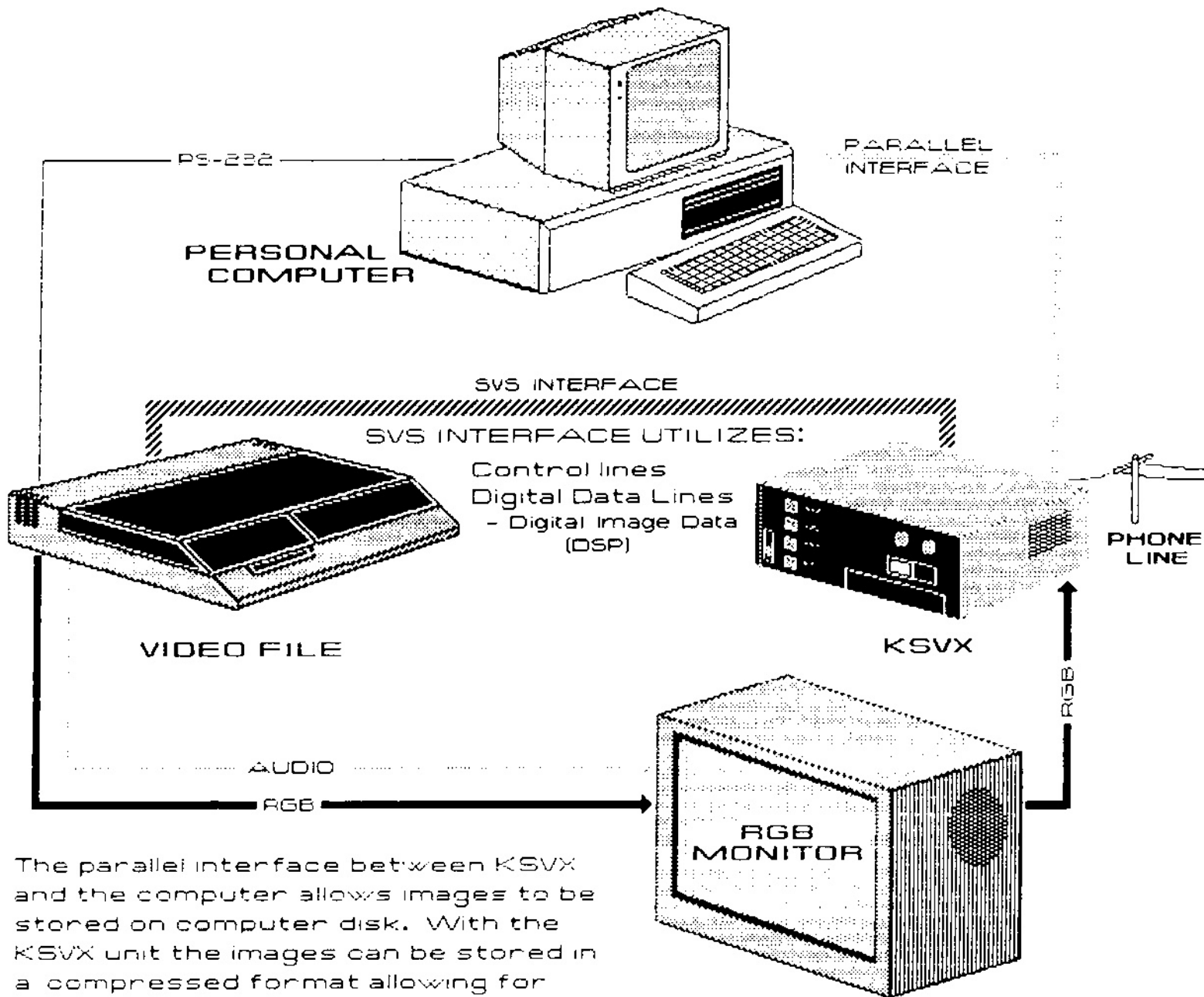


The parallel interface between KSVX and the computer allows images to be stored on computer disk. With the KSVX unit the images can be stored in a compressed format allowing for better utilization of disk space.

NOTE: Video File is shown as the source, however any video source (RGB or composite video) could be used. Remote KSVX could also be the source.

DIGITAL IMAGE STORAGE ON COMPUTER DISK

COMPRESSED DIGITAL IMAGE



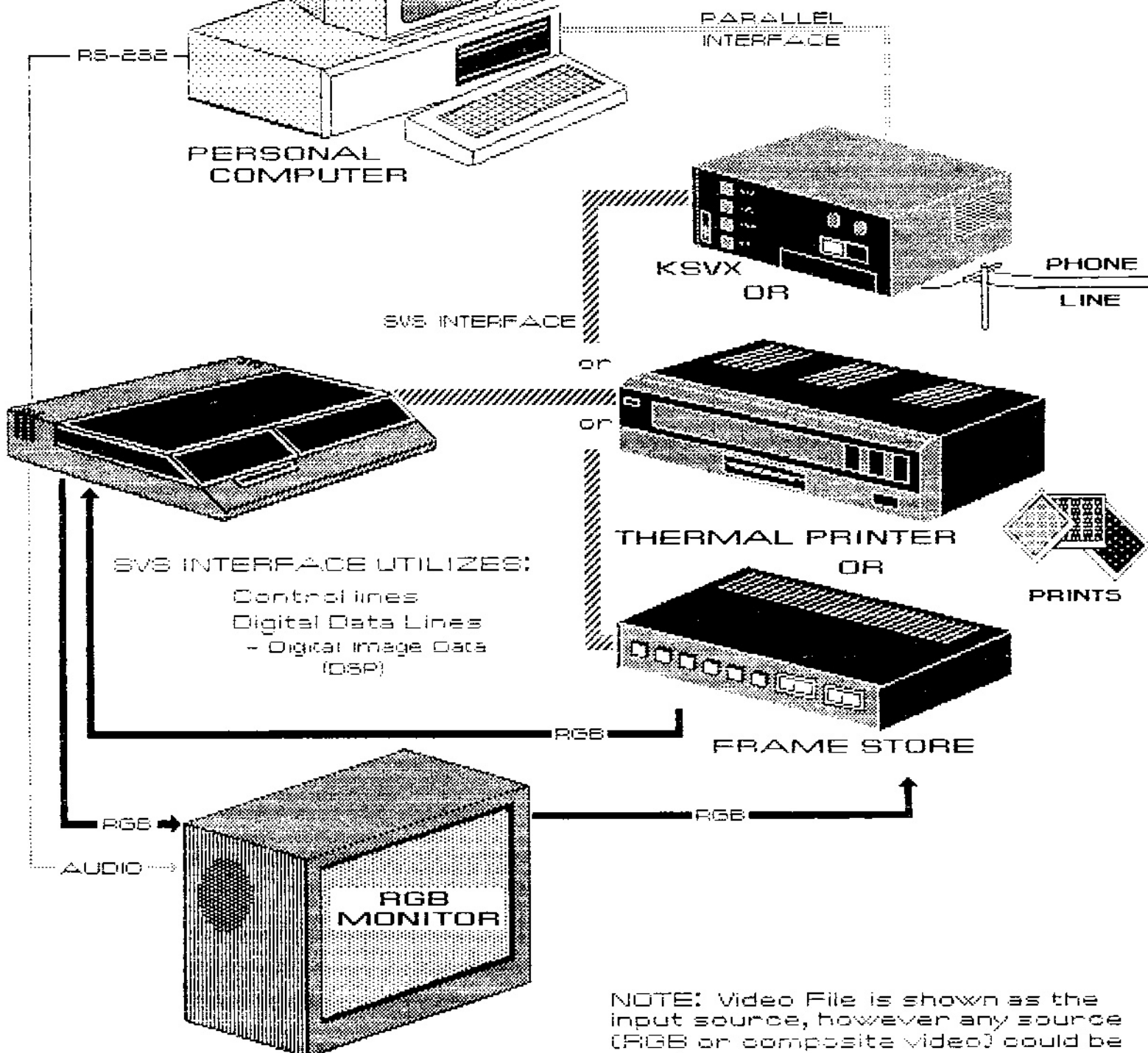
The parallel interface between KSVX and the computer allows images to be stored on computer disk. With the KSVX unit the images can be stored in a compressed format allowing for better utilization of disk space.

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DIGITAL IMAGE STORAGE ON COMPUTER DISK

UNCOMPRESSED DIGITAL IMAGE

The parallel interface between any of the SVS components shown below and a personal computer allows images to be stored on computer disk. Text and/or graphics could be added at this point. Images could then be output back to any or all of the below.

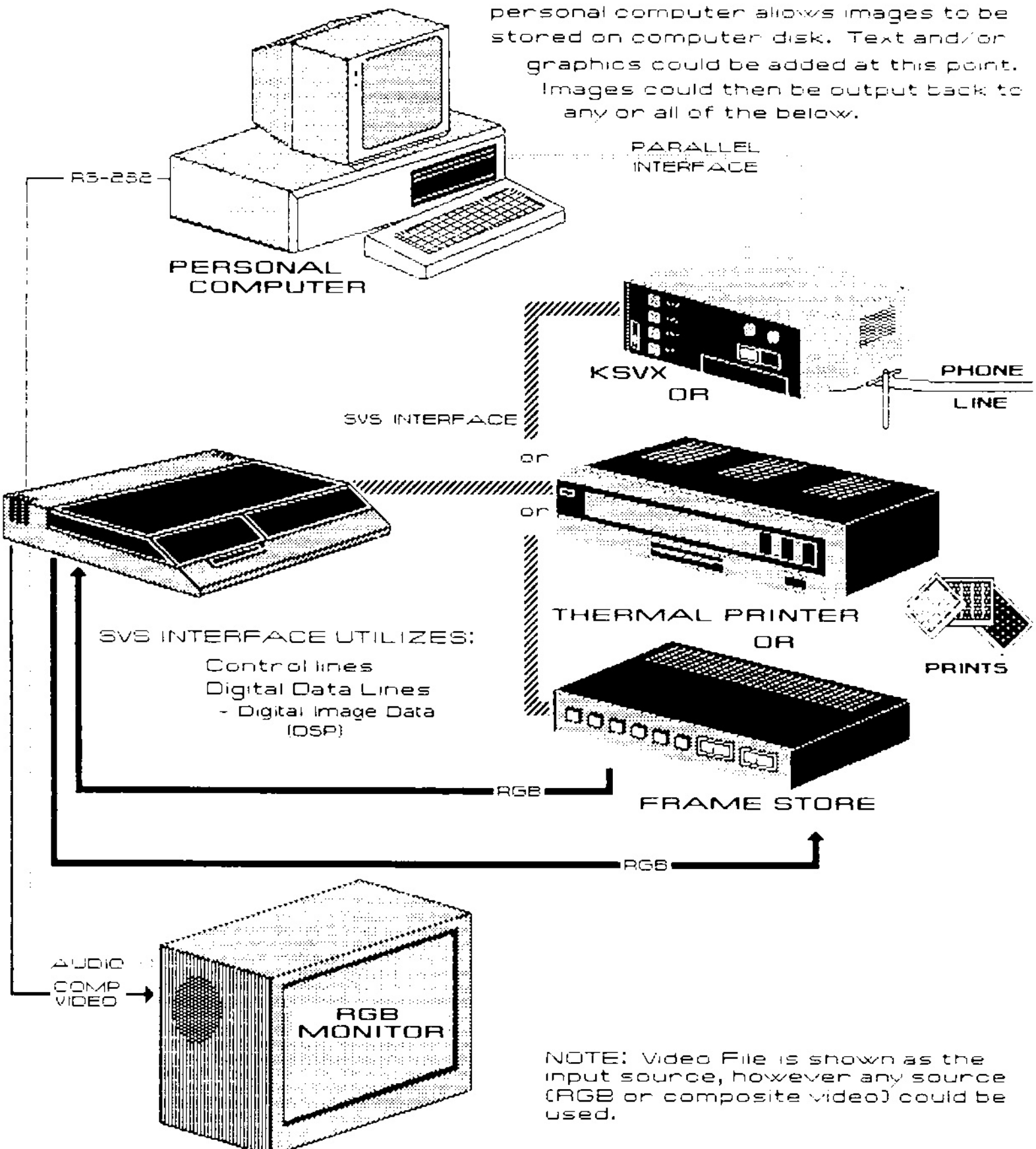


NOTE: Video File is shown as the input source, however any source (RGB or composite video) could be used.

DIGITAL IMAGE STORAGE ON COMPUTER DISK

UNCOMPRESSED DIGITAL IMAGE

The parallel interface between any of the SVS components shown below and a personal computer allows images to be stored on computer disk. Text and/or graphics could be added at this point. Images could then be output back to any or all of the below.



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INTERACTIVE COMPUTER APPLICATIONS