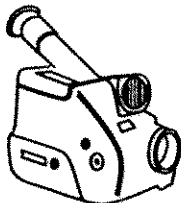


DIGITAL PHOTOGRAPHY SYSTEM

ANALOG IMAGE SOURCES



Video disk



Video camera



Still video camera



Videocassette recorder

ANALOG IMAGE SOURCES
Images that exist as analog electronic signals can originate from video disks, video cameras, still video cameras, and movie images on a VCR. They must be processed by a frame grabber board (usually located inside the computer) which turns the images into digital data for computer processing.

DIGITAL IMAGE SOURCES
Images stored in digital form reside on CD-ROM or Photo CD discs. Conventional slides or print images become digital when scanned. Soon, digital cameras will be commonly available that record images digitally. (The Dycam was the first commercially available digital camera.)

THE COMPUTER (CPU)
In digital photography, the personal computer (sometimes called the Central Processing Unit, CPU) replaces the darkroom in conventional photography. Images are stored on the CPU's hard disk and displayed on the CPU's monitor. Software on the hard disk imports the images from the various sources and performs the desired manipulations as directed by the photographer, who uses keyboard commands in combination with a mouse, joystick, or graphics tablet.

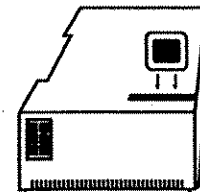
STORAGE SOLUTIONS
After the images are processed they are sent from the computer to any number of storage media for safe-keeping. Small images can fit on a floppy disk but larger, higher-resolution color images require the capacity that can only be found on an external hard disk, cartridge, optical drive, or digital audio tape. The images can be retrieved for further processing or for transfer to hard copy output (printing).

OUTPUT SOLUTIONS
Processed digital images can be converted to hard copy via a digital printer (for paper prints) or a film writer (for transparencies).

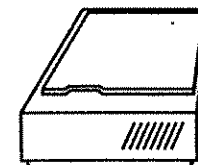
DIGITAL IMAGE SOURCES



CD-ROM disk



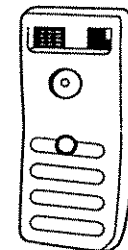
Slide scanner



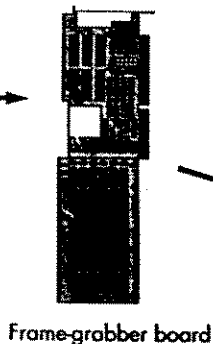
Flatbed scanner



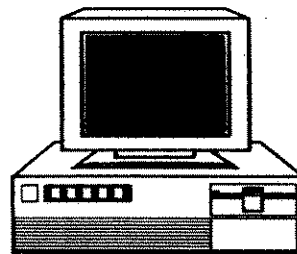
Hand-held scanner



Digital Camera

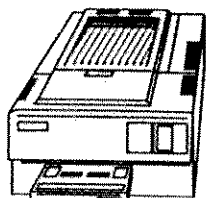


Frame-grabber board



The Computer (CPU)

OUTPUT SOLUTIONS



Digital printer



Film writer

STORAGE SOLUTIONS



Floppy disk



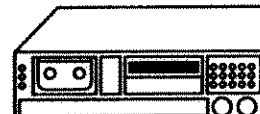
Removable cartridge



Magnetic optical drive



Hard disk drive



Digital Audio Tape (DAT)