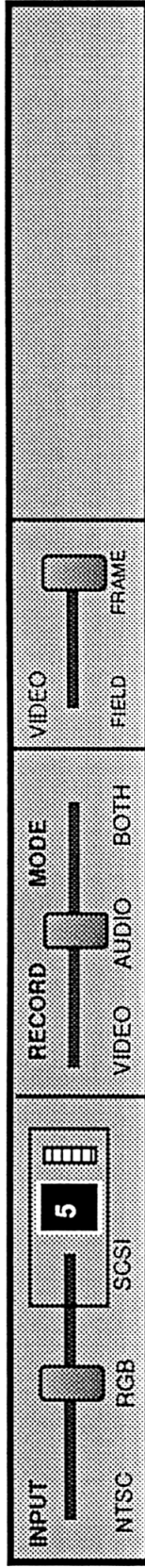
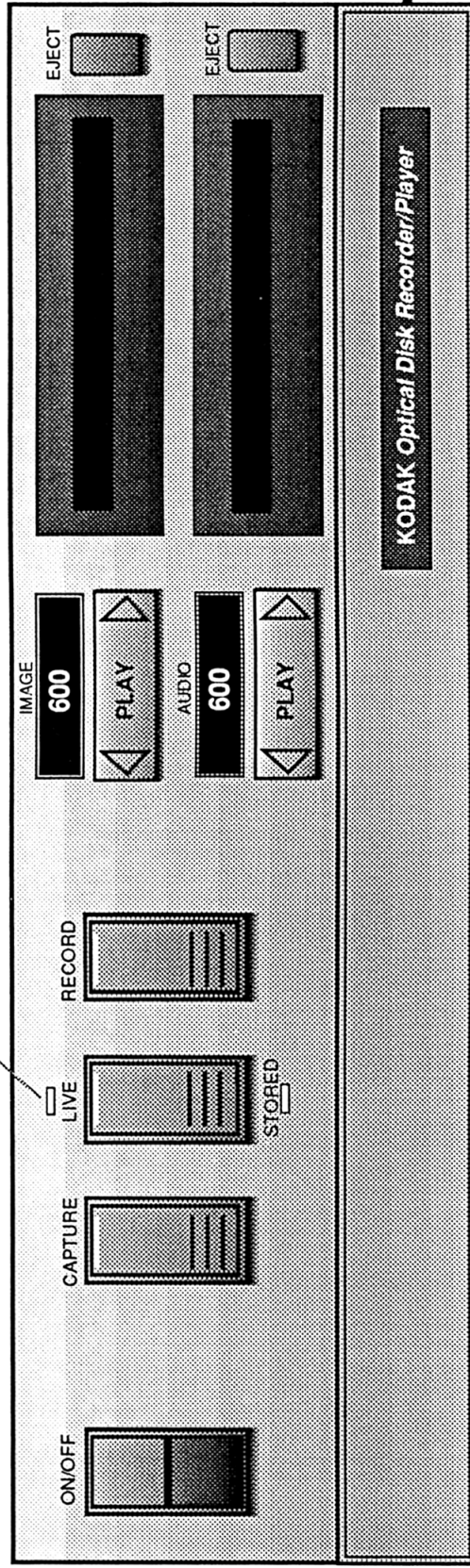
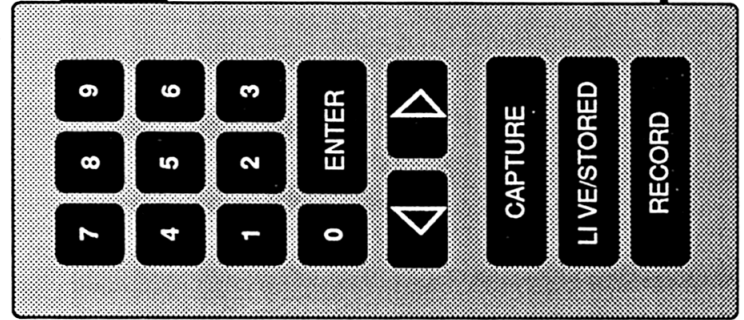


LED INDICATORS

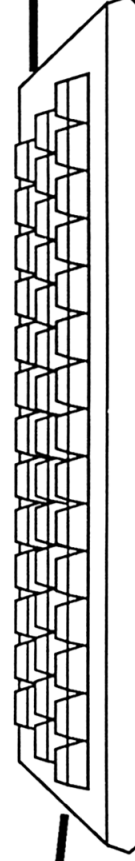


SELECT SEQUENCE

ROCKER SWITCH ALLOWS SELECTION OF EITHER IMAGES OR SEQUENCES OF IMAGES (PICTURE PROGRAMS) FROM THE ON SCREEN DISPLAY



WIRED REMOTE



OPTIONAL KEYBOARD - CONNECTS TO APPLE DESKTOP BUS CONNECTOR ON SIDE OF UNIT. CAN USE APPLE COMPATIBLE KEYBOARDS OR OTHER OPTIONAL INPUT DEVICES SUCH AS A MOUSE

Mouse

# **NEW PRODUCT PROPOSAL**

## **ERASEABLE OPTICAL DISK AUDIO/VIDEO RECORDER/PLAYER**

EASTMAN KODAK COMPANY  
343 STATE STREET  
ROCHESTER, NEW YORK 14650

PREPARED BY PETE SUCY  
OCTOBER 14, 1987

## OPTICAL DISK RECORDER/PLAYER

### FEATURES LIST:

- DUAL 3.5" MAGNETO-OPTICAL DRIVES - 65 MBYTES OF ERASEABLE STORAGE EACH. TRANSFER COST FROM VERBATIM \$650 EACH
- USES 3.5" REMOVEABLE OPTICAL DISKETTES IN PLASTIC SHELLS, SAME SIZE AS THE MACINTOSH'S DISKETTES, ONLY THREE TIMES THE THICKNESS. TRANSFER COST FROM VERBATIM ABOUT \$40 EACH
- BUILT-IN FRAMESTORE CAN CAPTURE IMAGES FROM NTSC OR RGB SOURCES OR CAN BE LOADED DIGITALLY FROM SCSI IF OR ANY OTHER DIGITAL INTERFACE.
- 1024 x 1024 FRAMESTORE PROVIDES WIPES, DISSOLVES, ETC. FOR VIDEO IMAGES. COULD ALSO OFFER PAL/NTSC CAPABILITIES.
- CAN RECORD BOTH VIDEO AND COMPUTER GENERATED IMAGES UNCOMPRESSED AS FOLLOWS:
  - NTSC VIDEO COMPATIBLE FORMATS
    - 87 IMAGES/DISK AT 512X484
    - 58 IMAGES/DISK AT 768X484
  - COMPUTER COMPATIBLE FORMATS
    - 84 IMAGES/DISK AT STANDARD RESOLUTION (512X512)
    - 70 IMAGES/DISK AT VGA & STANDARD MAC II RESOLUTION (640X480)
    - 27 IMAGES/DISK AT HIGH RESOLUTION, MAC II (1024X768)
    - 20 IMAGES/DISK AT HIGH RESOLUTION, PC (1024X1024)
- CAN RECORD BOTH VIDEO AND COMPUTER GENERATED IMAGES COMPRESSED USING OPTIONAL COMPRESSION CARD TO MAXIMIZE STORAGE CAPACITY AS FOLLOWS: (20:1 COMPRESSION ASSUMED)
  - VIDEO COMPATIBLE FORMATS WITH COMPRESSION
    - 1740 IMAGES/DISK AT 512X484
    - 1160 IMAGES/DISK AT 768X484
  - COMPUTER COMPATIBLE FORMATS WITH COMPRESSION
    - 1680 IMAGES/ DISK AT STANDARD RESOLUTION (512X512)
    - 1400 IMAGES/DISK AT VGA/MAC II RESOLUTION (640X480)
    - 540 IMAGES/DISK AT HIGH RESOLUTION (1024X768)
    - 400 IMAGES/DISK AT HIGH RESOLUTION (1024X1024)
- 70 MILLISECOND ACCESS TIMES AND 3 MEGABIT/SECOND DATA TRANSFER RATES MEAN VERY FAST RETRIEVAL OF IMAGES. WITH COMPRESSION, AN IMAGE COULD BE DISPLAYED IN UNDER 3 SECONDS. HOWEVER SINCE THERE IS A FRAMESTORE THIS WOULD MOST LIKELY NOT BE AS NOTICEABLE TO THE USER SINCE AT NO TIME WOULD THE SCREEN BLANK, AND WIPES CAN BE USED.

# READ OR WRITE TIMES TO OR FROM OPTICAL DISK

	512X484	512X512	640X480	768X484	1024X768	1024X1024
UNCOMP.	2.0 SEC.	2.1 SEC.	2.5 SEC.	3.0 SEC.	6.3 SEC.	8.4 SEC.
COMP.	.76 SEC.	.81 SEC.	.94 SEC.	1.15 SEC.	2.41 SEC.	3.24 SEC.

ASSUMPTIONS: 3 MEGABIT/SEC. DATA TRANSFER RATE PER VERBATIM SPECS.  
1 SECOND COMPRESSION ALGORITHM FOR COMPRESSED IMAGE  
AT 768X484 RESOLUTION, TIMES FOR OTHER RESOLUTIONS ARE  
SCALED

- HIGH QUALITY AUDIO RECORDING (STEREO?)
- UPTO 85 MINUTES OF HIGH QUALITY FM STEREO SOUND/DISK
- AT LOWER QUALITY LEVELS EXTENDED RECORDING TIMES ARE AVAILABLE

• HIGH QUALITY FM MONO	= 170 MINUTES (2.8 HRS)
• STANDARD FM	= 340 MINUTES (5.6 HRS)
• AM RADIO	= 680 MINUTES (11.3 HRS)
• TELEPHONE QUALITY	= 1360 MINUTES (22.6 HRS)

(Figures based on phone quality = 16K for 20 seconds)

- ADVANCED AND HIGHLY FLEXIBLE NUBUS ARCHITECTURE ALLOWS THE ADDTION OF SPECIAL SIGNAL PROCESSING BOARDS, COMPANDER/MODEMS, INPUT CONTROL BOARDS AND COMPATIBILITY WITH COMPUTER SYSTEMS., AS WELL AS OTHER KODAK GEN. II PRODUCTS.
- ONBOARD EEPROMS USED FOR BASIC STAND-ALONE OPERATING SYSTEMS - Allows systems integrators to customize operation for specific applications
- WITHOUT KEYBOARD OR EXTERNAL PC, OPERATOR CAN PLAYBACK IMAGES, PLAYBACK PREVIOUSLY CREATED PICTURE PROGRAMS, AND RECORD WITH MINIMAL AMOUNT OF OPERATOR EXPERIENCE.
- WITH KEYBOARD OR PC, OPERATOR CAN PERFORM ANY FUNCTION. KEYBOARD OR PC REQUIRED FOR CREATING PICTURE PROGRAMS.

# Optical Disk Recorder Rear Panel Layout

