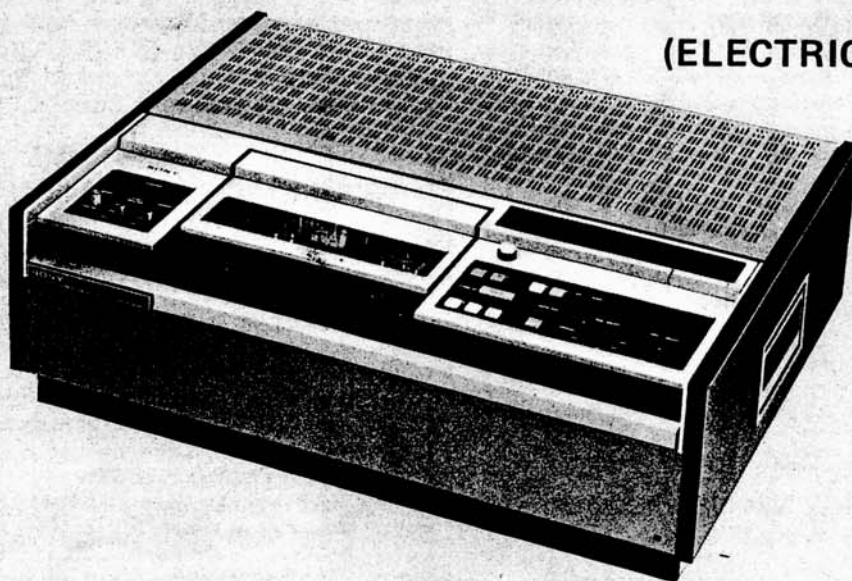


**TIME-LAPSE 3/4"
VIDEOCASSETTE RECORDER**

TVO-9000

**VOL-2
(ELECTRICAL ALIGNMENT)**



SPECIFICATIONS

GENERAL

- Video recording signal:** Rotary two-head helical scan system
Luminance: fm recording
Color signal: converted subcarrier direct recording
- Video signal system:** EIA Standards, NTSC color signals
- Storage temperature:** -20°C to $+60^{\circ}\text{C}$ (-4°F to $+140^{\circ}\text{F}$)
- Operating temperature:** 5°C to 40°C (41°F to 104°F)
- Power requirements:** 120Vac \pm 12V, 60 Hz \pm 0.5%
- Power consumption:** 160W
- Weight:** 36.5kg (80 lb 7 oz)
- Dimensions:** 645 x 223 x 464mm (w/h/d)
(25-3/8 x 8-3/4 x 18-1/4 inches) h/d)

VIDEO

- Input:** 1.0V(p-p) \pm 1.0V(p-p) / -0.5V(p-p), 75 ohms, sync negative, unbalanced
- Output:** 1.0V(p-p) \pm 0.2V(p-p), 75 ohms, sync negative, unbalanced
- Horizontal resolution:** Monochrome: 320 lines
Color: 240 lines
- Signal-to-noise ratio:** Better than 45 dB

AUDIO

- Input (both channels):** LINE IN jacks: -10 dB, 100k ohms, unbalanced
MIC IN jacks: -60 dB, suitable for microphones with 600-ohm impedance, unbalanced
- Output:** LINE OUT jacks (both channels): -5 dB (at 100k ohm load), unbalanced
AUDIO MONITOR jack: -5 dB (at 100k ohm load), unbalanced
- Frequency response:** 60 to 12,500 Hz
- Signal-to-noise ratio:** Better than 43 dB (both channels, 3% distortion at 1 kHz)

TAPE TRANSPORT

Tape speed and time lapse ratio

Mode	Tape speed	Time lapse ratio
Normal	7.9 cm/sec	60 fields per 1.0 sec
12H	0.79 cm/sec	1 field per 0.17 sec
24H	0.39 cm/sec	1 field per 0.33 sec
48H	0.20 cm/sec	1 field per 0.67 sec
72H	0.13 cm/sec	1 field per 1.0 sec
96H	0.10 cm/sec	1 field per 1.33 sec

- Wow and flutter:** Less than 0.25% rms
- Recording or playback time:** 72 min., 12 hours, 24 hours, 48 hours
72 hours, 96 hours (for KCA-60)
- Fast forward time:** Within 6 min. (for KCA-60)
- Rewind time:** Within 4 min. (for KCA-60)

SPECIAL FUNCTIONS

- Pause mode:** A picture is displayed in the pause mode with KCA or KCS videocassettes. A still adjust lever is provided.
- Timer operation:** Possible (with supplied timer recording adaptor)
- Drop-out compensator:** Internal
- Remote control:** Possible with RM-410 or RM-420 remote control

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