



# Specifications

**Camera:** Three plumicon tubes delivering 400 lines of resolution. 2-step gain adjustment (2 & 4 times) 6 db and 12 db to accommodate varying lighting conditions. Standard "C" lens mount, (lens not included with basic system).

**Camera Shutter Speeds:** 1/200 and 1/400 with shutter locked open at 200 and 400 fps respectively plus 1/2,500, 1/5,000, 1/10,000 selectable via built-in mechanical shutter.

**Camera Cables:** 7m standard with system (optional 25, 50 or 100m length cables are available without electrical adjustments).

**Cue Signal:** A cue signal can be recorded automatically at the start of recording. The cue signal can also be entered manually during recording or playback. Functions are switch selectable. Automatic stop when searching by recorded cue signals.

**Dual Cameras:** (Optional) dual camera capability is provided through the Wipe Unit which enables the recording of an object or event from two different directions, picture format is also controlled with this unit.

**Freeze Frame:** Any image (field) can be frozen on the screen for an unlimited time. Superimposing an additional field (or fields in playback mode) on the frozen image can provide instant motion analysis.

**Monitor:** Standard NTSC 10" color with pan/tilt adjustment.

**Playback Modes:** From 0 to 1200 pictures/second in search mode of 400 fps, (0 to 600 of 200 fps), picture by picture and JOG Playback, all in forward or reverse. Single picture memory freeze for indefinite time period. "Picture overlapping" with frozen images providing picture comparisons.

**Portability:** The HSV recorder and monitor are mounted on a two wheel (pneumatic tires) dolly unit for complete portability.

**Power Source:** 120V AC  $\pm 10\%$ , 60Hz or switchable to 220V AC.

**Recording Speeds:** 400 (half height picture) or 200 (full picture) pictures per second, switch selectable.

**Control Module:** All operations of recording and playback are fully controlled by the control module connected either to the recorder or the camera, (optional lengths of connector wire are available).

**Record System:** Rotary two heads helical scan.

**Recording Time:** 48 min. recording with standard 1/2" VHS T-160 cassette tape. VHS cassettes of shorter length may be used.

**Scene Code:** (3 digits), and time code (minutes, seconds and milliseconds) are automatically recorded for editing and data analysis.

**Strobe:** (Optional) 200 Watt, 1/50,000 sec. (Multiple strobes can be added to a single system.)

**Strobe Cables:** 9m standard with system (optional 25, 50 and 100m cables are available without electrical adjustments).

**System Resolution (horizontal):** 230 lines (color)  
270 lines (B&W)

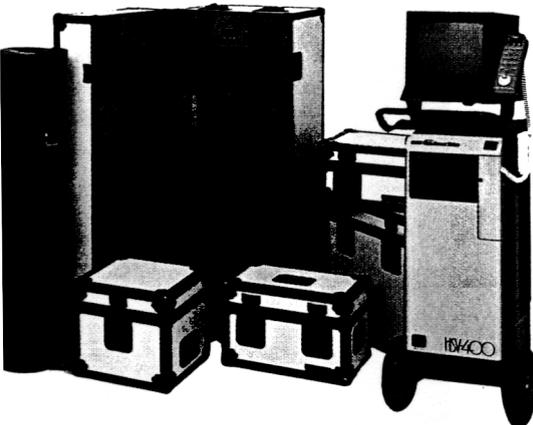
**Tape Counter:** (4 digits), may be used as lap count.

**Temperature and Humidity:** Operation: 0°C to +40°C, 30% to 80% RH  
Storage: -10°C to +60°C, 0% to 80% RH

**Video Format:** VHS standard format.

**Video Output:** NTSC Standard or PAL Standard Switchable,  
60 fields/sec.

Specifications subject to change without notice



Shown with optional ATA Category I cases

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