

Hi-8mm Video Recorder

The V-80 Offers

- Fully qualified to MIL-STD-810D and MIL-STD-461C
- Hi-8mm S-Video format provides 400 TVL resolution
- GPS/IRIG time insertion card options built into recorder
- Compatible with commercial Hi-8mm or 8mm videotape cassettes
- NTSC, PAL, and special 875-line units available
- Ruggedized design for high MTBF in severe military environments
- Operates directly off MIL-STD-704 +28VDC military power
- Completely environmentally sealed against moisture, sand, and dust
- Tapes locked in place for proper operation in all mounting positions & high g-loads
- Mechanical tape load/unload without power
- Event mark generation and detection
- Automatic built-in heater; thermostatically controlled
- Full function manual and remote control (discrete and RS-422)
- BIT status feedback (discrete and RS-422)
- Military locking connectors for positive connection
- Visible time code overlay
- Compatible with inexpensive commercial VCRs for ground playback
- Options for RGB input, scan conversion, and multiplex operations
- Available off-the-shelf



Applications

- Video recording in harsh environments; high vibration, shock, acceleration, and dust and moisture environments
- Flight and ground test instrumentation
- HUD camera, FLIR, radar, night vision systems, MFD/DDI, RWR recording
- External/internal video observation for civil, military, and space applications
- Pilot training, testing, and qualification
- Post-flight debriefing
- Reconnaissance recording for military, coast guard, customs, forest service, law-enforcement, and environmental protection agencies

Specifications: V-80AB-F

RECORDING DECKS:	One	NUMBER OF AUDIO CHANNELS:	ONE (2 channel stereo optional)
TAPE FORMAT:	Hi-8mm and 8mm (NTSC/PAL/S-Video)	OPERATING TEMPERATURE:	-40°C to +60°C
RECORDING TIME (MINUTES):	120 (NTSC); 90 (PAL)	STORAGE TEMPERATURE:	-55°C to +95°C
FUNCTION:	Record and Playback	VIBRATION:	MIL-STD-810D 514.3
POWER REQUIREMENT:	+28vdc MIL-STD-704D	ACCELERATION:	MIL-STD-810D 513.3, II; 10 g's
POWER CONSUMPTION:	15W max (45W with heater)	SHOCK:	•MIL-STD-810D 516.3, I; 20 g's (OPERATING) •MIL-STD-810D 516.3, V; 40 g's (CRASH SAFETY)
DIMENSIONS:	148mm(W) 120mm(H) 161mm (D)	SALT FOG/DUST:	MIL-STD-810D
WEIGHT:	3kg max	EMI:	MIL-STD-461C, All Tests
CONTROL INTERFACE:	MANUAL, DISCRETE and RS-422	REMOTE CONTROL UNIT:	VS-80G (LAB) VS-80RCH (HAND HELD)
HORIZONTAL RESOLUTION:	400 TV lines (nominal)		
VIDEO S/N:	43db (unweighted)		



MISSION DATA RECORDERS