

Technical Details

- **Supply Voltage:** DC 7.2/7.9 V
- **Power Consumption:** 6.8 W (when viewfinder is used), 7.8 W (when LCD monitor is used), 9.2 W (max.)
- **Operating Temperature:** 32 degrees F to +104 degrees F (0 degrees C to +40 degrees C)
- **Operating Humidity:** 10 percent to 85 percent (no condensation)
- **Weight:** 3.652 pounds (1.66 kg), 4.034 lb (1.83 kg) with battery and cassette
- **Dimensions (WxHxD):** 5-1/2 inches x 6-5/16 inches x 14-3/8 inches (139 x 160 x 364 mm)
- **Camera Pick-up Device:** 1/3-inch interline transfer type CCD x 3 (progressive modes supported)
- **Camera Picture Elements:** Total: 410,000 pixels; Effective: 380,000 pixels (horizontal pixel shift system)
- **Camera Lens:** Leica DICOMAR lens with optical image stabilizer, motorized/manual mode switching, 10x zoom F 1.6 (f = 4.5 to 45 mm) (35 mm equivalent: 32.5 to 325 mm)
- **Camera Filter Diameter:** 72 mm
- **Camera Optical Color Separation:** Prism system
- **Camera Optical Filter:** ND Filters, 1/8ND, 1/64ND
- **Camera Gain Selection:** 0, +3, +6, +9, +12, +18 dB (60i mode only)
- **Camera Shooting Mode:** 60i (525i) interlaced fields; Progressive mode (30P, 24P or 24P advance)
- **Camera Preset Shutter Speeds:** 60i mode: 1/60 (OFF), 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000 sec.; 30P mode: 1/30, 1/50 (OFF), 1/60, 1/120, 1/250, 1/500, 1/1000 sec.; 24P, 24P (ADV) mode: 1/24, 1/50 (OFF), 1/60, 1/120, 1/250, 1/500, 1/1000 Sec.
- **Camera Synchro Scan Shutter Speeds:** 60i mode: 1/60.3 to 1/250.0 sec.; 30P mode: 1/30.1 to 1/250.0 sec.; 24P, 24P (ADV) mode: 1/24.1 to 1/250.0 sec.
- **Camera Sensitivity:** F11.0 at 2000 lux
- **Camera Minimum luminance:** 3 lux (F 1.6, 18 dB gain, 50 IRE video output)
- **VTR Recorded Audio Signals:** PCM digital recording - 16 bits: 48 kHz/2 channels, 12 bits: 32 kHz/4 channels
- **VTR Recording Tracks:** Digital video, audio signals: helical track, Time code: helical track (sub-code area)
- **VTR Tape Speed:** SP mode: 18.812 mm/sec., LP mode: 12.555 mm/sec.
- **VTR Recording Time:** SP mode: 60 minutes, LP mode: 90 minutes (when AY-DVM63 is used)
- **VTR Tape Used:** 6.35 mm wide metal tape
- **VTR FF/Rew Time:** Approx. 85 sec. (when AY-DVM60 is used)
- **Video Sampling Frequencies:** Y: 13.5 MHz, PB/PR: 3.375 MHz
- **Video Quantizing:** 8 bits
- **Video Compression System:** DCT + variable length code
- **Video Error Correction:** Reed-Solomon product code
- **Audio Sampling Frequency:** 48 kHz/32 kHz

- **Audio Quantizing:** 16 bits/12 bits
- **Audio Frequency Characteristics:** 20 Hz to 20 kHz
- **Audio Wow and Flutter:** Below measurable limits
- **Video IN/OUT:** Pin jack, analog composite input/output, 1.0 Vp-p, 75.(input/output automatically switched)
- **S-Video IN/OUT:** S-connector, Y/C separate signal input/output, Y: 1.0 Vp-p, C: 0.286 Vp-p, 75.(input/output automatically switched)
- **Audio IN/OUT:** Pin jacks a2 (CH1, CH2) - Input: 316 mV, high impedance, Output: 316 mV, 600.(input/output automatically switched)
- **DV Connector:** 4-pin, digital input/output, IEEE 1394 standard
- **MIC/Line Input:** XLR (3 pins) x 2 (CH1, CH2), LINE/MIC switching, high impedance, LINE: 0 dBu, MIC: -50 dBu/-60 dBu (menu selection)
- **DC Input:** 7.9 V
- **Phones:** Stereo (3.5 mm diameter), 77 mV, 32.
- **CAM Remote:** Mini jack (2.5 mm diameter)
- **LCD Monitor:** 3.5-inch LCD color monitor, 200,000 pixels
- **Viewfinder:** 0.44-inch LCD color viewfinder, 180,000 pixels
- **Internal Microphone:** Stereo microphone
- **Internal Speaker:** 20mm round shape, volume - or +
- **Power Source:** 110/120/220/240 V AC, 50/60 Hz