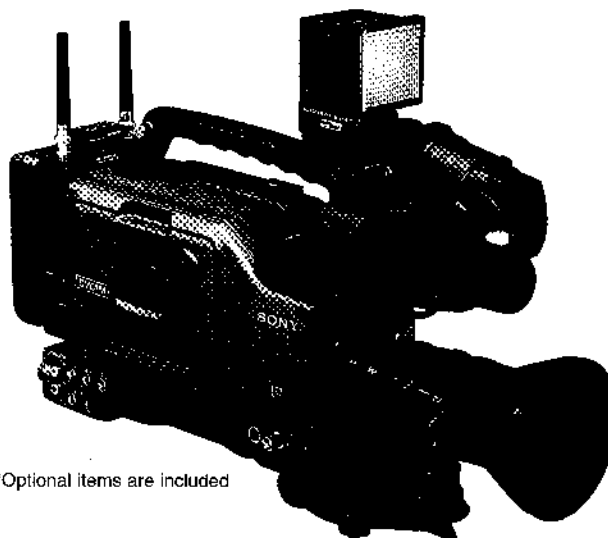


**Digital Camcorder**

•Highly mobile one-piece design •Compact and lightweight: 5.7 kg (12 lb 9 oz) including viewfinder, microphone, lens, battery and tape •Compact crew package with the LC-300SFT Soft Carrying Case •DynaFit™ shoulder pad for comfortable molding to any shoulder •DSP (Digital Signal Processing) •Three 1/2-inch Power HAD™ CCDs for low smear level, high sensitivity and high S/N ratio •Superb picture quality of the DVCAM format •Playback capability of consumer DV recorded tapes (SP mode only) •Long recording time; up to 184 minutes with a standard cassette and 40 minutes with a mini cassette •ClipLink operation •TruEye™ process for faithful colour reproduction •DynaLatitude™ •Skin Detail with auto detection of active area •SetupLog™ function for automatic recording of camera setting data •Total Level Control System (TLCS) for automatically extended range of light control •EZ Focus and EZ mode for quick camera setup •Auto Tracing White Balance (ATW) function •Adjustable Black Stretch and Compress •Dual Zebra viewfinder indication of over exposure •Video light connection for Anton Bauer® Ultra Light 2 •Menu control by Jog Dial operation •Time code superimposed during playback •Edit Search function •Freeze Mix function •26-pin VTR interface capability



\*Optional items are included

**SPECIFICATIONS**

Power requirements: DC 12 V (11 to 17 V)  
 Power consumption: 20 W (w/o VF), 22.1 W (w VF)  
 Operating temperature: 0°C to 40°C (32°F to 104°F)  
 Storage temperature: -20°C to 60°C (-4°F to 140°F)  
 Operating humidity: Less than 85%  
 Storage humidity: Less than 90%  
 Tape speed: 28.193 mm/s  
 Recording/Playback time:  
     Standard size: 184 min. PDV184ME  
     Mini size: 40 min. PDVM40ME  
 Fast forward/Rewind time:  
     Standard size: Approx. 12 min. PDV184ME  
     Mini size: Approx. 3 min. PDVM40ME  
 Continuous recording time:  
     Approx. 80 min. BP-L40, Approx. 180 min.  
     BP-L60A, Approx. 290 min. BP-L90A  
 Mass:  
     Approx. 3.3 kg (7 lb 4 oz) for camera head only  
     Approx. 4.1 kg (9 lb 1 oz) with VF and microphone  
     Approx. 5.2 kg (11 lb 7 oz) with VF, microphone and lens  
     Approx. 5.7 kg (12 lb 9 oz) with VF, microphone, lens, battery (BP-L40) and videocassette tape  
 Dimensions (w/h/d):  
     121 × 192 × 270 mm (4 7/8 × 7 5/8 × 10 3/4 inches) (without projections)  
     242 × 247 × 534 mm (9 5/8 × 9 3/4 × 21 1/8 inches) (with projections)

**CAMERA PART**

Image device: 3-chip 1/2-inch, Interline Transfer CCD  
 Optics: F1.4 medium index prism system  
 Effective picture elements:  
     752 × 582 (H × V)  
 Total picture elements: 795 × 596 (H × V)  
 Sensing area: 6.4 mm × 4.8 mm  
 Built-in filters:  
     1: 3200 K/3000 K (Switchable)  
     2: 5600 K+1/8 ND  
     3: 5600 K  
     4: 5600 K+1/64 ND  
 Lens mount: Sony 1/2-inch Bayonet mount  
 Signal system: PAL colour system  
 Scanning system: 2:1 interlaced, 625 lines, 50 fields/sec.  
 Horizontal frequency: 15.625 kHz  
 Vertical frequency: 50 Hz  
 Sync system: Internal and external with the VBS or BS signal  
 Horizontal resolution: 800 TV lines  
 Vertical resolution: 480 TV lines (w/o EVS), 530 TV lines (w/EVS)  
 Minimum illumination: 0.5 lx with F1.4, Hyper gain (30 dB+ DPR)  
     0.8 lx with F1.8, Hyper gain (30 dB+ DPR)  
 Sensitivity: F 11 at 2000 lx (3200 K 89.9% reflectance) (typical)

Shutter speed selection: OFF, 1/60, 1/250, 1/500, 1/1000, 1/2000 sec  
 Clear scan selection: 50.3 to 201.4 Hz  
 Signal-to-noise ratio: 60 dB (typical)  
 Registration: 0.05% (all zones, without lens)  
 Geometric distortion: Below measurable level

**VTR PART**

**VIDEO PERFORMANCE**  
 Bandwidth: Luminance: 25 Hz to 5.5 MHz +1.0/-2.0 dB  
                   Chrominance: 25 Hz to 2.0 MHz +1.0/-2.0 dB  
 S/N ratio: More than 55 dB  
 K-factor(K2T, KPb): Less than 2.0%  
 Y/C delay: Less than 30 nsec

**AUDIO PERFORMANCE**  
 Frequency response: 48 kHz: 20 Hz to 20 kHz +0.5/-1.0 dB  
                           32 kHz: 20 Hz to 14.5 kHz +0.5/-1.0 dB  
 Dynamic range: More than 80 dB  
 Distortion (THD): Less than 0.08% (1 kHz reference level, 48 kHz)

**INPUT/OUTPUT connectors**

Signal inputs:  
 GENLOCK VIDEO IN: BNC, 1.0 Vp-p, 75 Ω  
 TC IN: BNC, 0.5 Vp-p to 18 Vp-p, 10 kΩ  
 EXT AUDIO CH-1/2: XLR 3-pin (2) Female, -60 dBu, 3 kΩ±4 dBu, 10 kΩ  
 MIC IN: XLR 3-pin Female  
 Signal outputs:  
 VIDEO OUT: BNC, 1.0 Vp-p, sync negative, 75 Ω  
                   26-pin connector:  
                   VBS: 1.0 Vp-p, sync negative  
                   Y/R-Y/B-Y: Y: 1.0 Vp-p, sync negative  
                           R-Y/B-Y: 525 mVp-p  
                   Y/C: Y: 1.0 Vp-p, sync negative  
                           C: 300 mVp-p (burst level)  
 MONITOR OUT: BNC, 1.0 Vp-p, sync negative, 75 Ω  
 TC OUT: BNC, 1.0 Vp-p, 75 Ω  
 AUDIO CH-1/2: RCA pin, -10 dBu, 47 kΩ  
 S-VIDEO: DIN 4-pin, 1 Vp-p, 75 Ω

**Other:**

DC IN: XLR 4-pin, Male  
 DC OUT: 4-pin, Female  
 BATTERY TERMINAL: 5-pin  
 EARPHONE: Mini-jack  
 LIGHT OUT: 2-pin Female  
 WRR OUT: 7-pin  
 LENS: 14-pin hot-shoe type or 12-pin  
 VF: 20-pin  
 REMOTE1: Stereo mini  
 REMOTE2: 10-pin

Notes: \*DPR is equivalent to +6 dB gain up.