

- 1000H FIT CCD with On Chip Lens, 520,000 pixel NTSC and 620,000 pixel PAL
- Horizontal resolution 800 TV Lines
- Enhanced Vertical Definition (EVS) improves vertical resolution with no blurring
- Clear Scan function allows computer images to be shot without flicker
- Signal to Noise of 62dB for NTSC and 60 dB for PAL
- Vertical smear has been virtually eliminated with FIT technology
- Advanced highlight aperture correction unaffected by gamma or knee correction
- Programmable Gain Switch for greater flexibility under differing lighting conditions
- New ergonomic design, side view is improved for good peripheral vision
- Dual filter wheels allow independent selection of more filters in studio/field operation
- Auto wht/blk balance time has been reduced to one third for faster set up
- New viewfinder, 600 line resolution and status warning light for operator convenience
- Two stage zebra, 100 IRE and 70 IRE for individual operator preference
- Low power consumption, 1 watt less than CVC-70IS for longer operating time
- The dynamic contrast control allows the camera to handle high contrast scenes
- Viewfinder safety zone and center marker for accurate framing of subjects
- Optional camera control units provide convenience in studio operations and intercom



CVC-90 Betacam SP Camera

■ Supplied Accessories

Tripod Adaptor VCT-14
 Extender Board
 Rain Cover
 Operation and Maintenance
 Manuals

■ Optional Accessories

AC-500 AC Power Supply
 BC-1WB Battery Charger
 BC-410 Battery Charger
 BP-90A Battery
 BVF-55 5" Viewfinder
 CA-3A Camera Adaptor
 CA-50 Camera Adaptor
 CA-55 Camera Adaptor
 CAC-12A Microphone Mount
 CCZ Cable
 CCZQ Cable
 CCW-B Cable
 CCW-T Cable
 CRS-3P Mic. Suspension
 CCU-350 Camera Control Unit
 CCU-355 Camera Control Unit
 DC-300 Battery Case
 NP-1B Battery
 RM-P9 Remote Control

Specifications

Pick Up Device . . .	3 CCD 2/3" Frame Interline Transfer
	Effective pixels 980 × 493 NTSC; 980 × 581 PAL
Optical Filters	A: CROSS 1: CLEAR B: 3200 K 2: 1/4 ND C: 4300 K 3: 1/16 ND D: 6300 K 4: 1/64 ND
Lens Mount . . .	Bayonet
Video Output	1.0 v p-p, 75Ω, sync negative
Connectors.	Two Output (TEST OUT, VTR connector) VTR 50 pin TEST OUT BNC type LENS 12 pin REMOTE 6 pin
Sensitivity	More than F8.0 at 2000 Lux, 89.9% Reflectance
Min Illumination	Approx 1.9 lux (F1.4 lens, + 30dB gain)
Video S/N Ratio	CVC-90 62 dB Typical NTSC CVC-90P 60 dB Typical PAL
Horizontal Resolution	800 TV lines (luminance at center)
Vertical Resolution . .	350 TV lines / 450 lines (EVS) NTSC 450 TV lines / 570 lines (EVS) PAL
Gain Selection	-3dB, 0dB, + 3dB, + 6dB, + 9dB, + 12dB, + 18dB, + 24dB, + 30dB
Electronic Shutter	1/100, 1/125, 1/250, 1/500, 1/1000, 1/2000 NTSC 1/60, 1/125, 1/250, 1/500, 1/1000, 1/2000 PAL
Extended Clear Scan	49.0 Hz - 58.1 Hz NTSC
Clear Scan	60.1 Hz - 125.3 Hz NTSC 50.3 Hz - 125.4 Hz PAL
Registration 0.05% (all zones without lens)
Geometric Distortion .	. Below measurable level
Power Requirements . .	. DC 12v (10.5 v. to 17 v.)
Power Consumption . .	. 13 watts
Operating Temperature .	. -20°C to + 45°C (-4°F to 113°F)
Storage Temperature . .	. -20°C to + 60°C (-4°F to 140°F)
Weight Approx. 3.1 kg (6lb 13oz) with viewfinder
Viewfinder	
Picture Tube	1.5" monochrome
Warm up Time	1 second
Controls	Bright, Contrast, Audio Level, Peaking Tally High/Low/Off, Zebra On/Moment/Off Audio Ind. On/Off
Horizontal Resolution	600 TV Line
Microphone	Sharp directional

Specifications subject to change without notice.

AMPEX

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