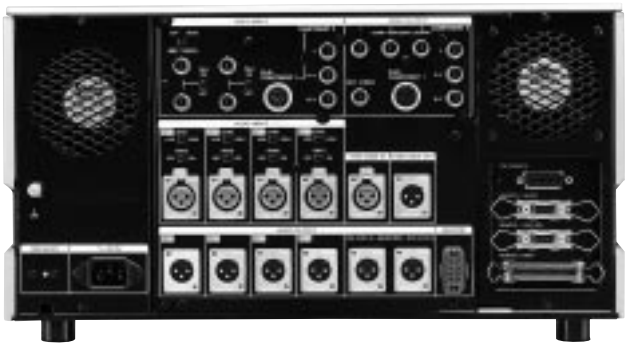
BVW-75 (NTSC)/75P (PAL)

BETACAM SP

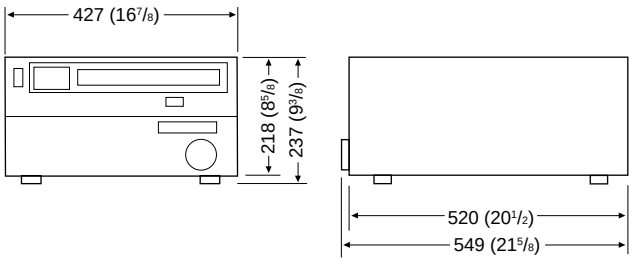
Betacam SP Studio Recorder/Player with DT

•More than 90 (NTSC)/100 (PAL) minutes of recording/playback time using the L-cassette •Two AFM audio channels in addition to two longitudinal audio channels with the Dolby C-Type NR (Noise Reduction) system •Dynamic Tracking (DT) provides broadcast quality pictures from –1 to +2 times normal speed •Dynamic Motion Control edit memory function •High speed picture search provides recognizable color pictures at up to 5 times normal speed in forward and reverse (24 times in monochrome) •RS-422A 9-pin remote control interface •36-pin parallel remote control interface •Audio/video confidence playback •Built-in comprehensive two-machine editing •Built-in sophisticated TBC with 32 line correction window and advanced, high quality, digital dropout compensator •Built-in LTC/VITC/User Bits generator and reader •SC-H indicator for composite input and output •Built-in character generator provides "Burnt-in" time code output •Built-in capstan override allows playback tape speed to be varied ±16% in 2% steps via the search dial •Initial setup offers operational flexibility via the search dial•Built-in self-diagnostics •BNC component signal inputs and outputs •19-inch rack mountable



Supplied accessories: AC power cord (1)
12-pin dubbing cable VDC-C5 (5m) (1)
9-pin remote control cable RCC-5G (5m) (1)
Extension board (3)
Operation and maintenance manual (1)

Dimensions



Unit: mm (inch)

Specifications

		BVW-75		BVW-75P	
General	Mass	Approx. 30 kg (66 lb 2 oz)			
	Power requirements	AC 90 to 265V, 48 to 64Hz			
	Power consumption	240W			
	Operating temperature	+5°C to +40°C (+41°F to +104°F)			
	Storage temperature	–20°C to +60°C (–4°F to +140°F)			
	Humidity	Less than 80 % (relative humidity)			
	Tape speed	NTSC: 11.86cm /s, PAL: 10.15cm/s			
	Recording/playback time	More than 90(NTSC)/100(PAL) min with BCT-90MLA More than 30(NTSC)/35(PAL) min with BCT-30MA			
	Fast forward time/rewind time	Less than 180 s with BCT-90MLA			
	Search speed				
	SHUTTLES	STILL,1/30, 1/10, 1/5, 1/2, 1, 2, 5, and 24 times normal speed, frward and reverse			
	VAR	–1, –½, –⅕, –1/10, –1/30, STILL,1/30, 1/10, ⅕, ½, 1, and 2 times normal speed			
	JOG	Frame by frame, forward and reverse			
	Dynamic Traking range	–1 to +2 times normal speed			
	Lock up time	Less than 0.6 s from standby mode			
		Metal Particle Tape	**Oxide Tape**	**Metal Particle Tape**	**Oxide Tape**
Video	Bandwidth Luminance (50% modulation)	30Hz to 4.5MHz $^{+0.5}_{-3.0}$dB	30Hz to 4.1MHz $^{+0.5}_{-6.0}$dB	25Hz to 5.5MHz $^{+0.5}_{-3.0}$dB (relative to 0.5MHz)	25Hz to 4.0MHz $^{+0.5}_{-6.0}$dB (relative to 0.5MHz)
	Color difference (50% modulation)	30Hz to 1.5MHz $^{+0.5}_{-3.0}$dB	30Hz to 1.5MHz $^{+0.5}_{-3.0}$dB	25Hz to 2.0MHz $^{+0.5}_{-3.0}$dB (relative to 0.5MHz)	25Hz to 1.5MHz $^{+0.5}_{-3.0}$dB (relative to 0.5MHz)
	S/N ratio Luminance	More than 51dB (Component IN/OUT) More than 49dB (Component IN/OUT)	More than 48dB (Component IN/OUT)	More than 48dB (Unweighted) (SC Trap: off, 10kHz to 5MHz)	More than 46dB (Unweighted) (SC Trap: off, 10kHz to 5MHz)
	Chrominance AM PM	More than 53dB More than 53dB	More than 50dB More than 50dB	— —	— —
	Color difference (Unweighted)	—	—	More than 48dB	More than 45dB
	Distortion Differential gain	Less than 2%	Less than 3%	—	—
	Differential phase	Less than 2°	Less than 3°	—	—
	K-factor (2T pulse)	Less than 2%	Less than 3%	—	—
	Y/C delay	Less than 20ns	Less than 20ns	Less than 20ns	Less than 20ns
	L.F.linearity	Less than 3%	Less than 4%	—	—
	Pulse shape distortion (K-pulse) Luminance(2T)	—	—	Less than 1.5%	Less than 3%
	Color difference (8T)	—	—	Less than 1.5%	Less than 3%
Audio	Longitudinal Frequency response	50Hz to 15kHz $^{+1.0}_{-2.0}$dB (at 10dB below reference level)	50Hz to 15kHz ±3.0dB (at 10dB below reference level)	50Hz to 15kHz $^{+1.0}_{-2.0}$dB (20dB below peak level(1)*)	50Hz to 15kHz ±3.0dB (20dB below peak level(1)*)
	S/N ratio	72dB (at 3% distortion level)	50dB (Dolby NR off) (at 3% distortion level)	More than 68dB (at peak level (1)* Weighted CCIR 468-3)	More than 62dB (at peak level (1)* Weighted CCIR 468-3)
	Distortion T.H.D. (at 1kHz reference level)	Less than 1%	Less than 2%	—	—
	Distortion (K-3) (at 1kHz) at peak level (1)* at operational level (+4dBm)	— —	— —	Less than 3% Less than 1%	Less than 3% Less than 1%
	Crosstalk (at 1kHz)	Less than –65dB	—	Less than –71dB	Less than –60dB
	Stereo phase (at 15kHz)	Less than 20°	—	±20°	±45°
	Erase ratio(at 1kHz)	—	—	More than 65dB	More than 65dB
	Depth of erasure (for recorders only) (at 1kHz) REC mode	More than 70dB	More than 70dB	—	—
	INSERT mode	More than 65dB	More than 65dB	—	—
	Wow and flutter	Less than 0.1% rms	Less than 0.1% rms	Less than 0.1% rms (DIN44507)	Less than 0.1%rms (DIN44507)
	AFM Frequency response	20Hz to 20kHz $^{+0.5}_{-2.0}$dB	—	20Hz to 20kHz $^{+0.5}_{-2.0}$dB (20dB below peak level (2)*)	—
	Dynamic range	More than 85dB	—	—	—
	S/N ratio (at peak level (2)*Weighted CCIR468-3)	—	—	More than 72dB	—
	Distortion T.H.D. (at 1kHz reference level)	Less than 0.5%	—	—	—
	Distortion (K-3) (at 1kHz) at peak level (2)* at operational level (+4dBm)	— —	— —	Less than 3% Less than 0.5%	— —
	Stereo phase (at 20kHz)	Less than 10°	—	±10°	—
	Crosstalk	Less than –70dB (at 1kHz)	—	Less than –70dB (at 100Hz to 12.5KHz)	—
	Wow and flutter (DIN 45507)	—	—	Less than 0.01%	—

*Peak level (1)=+8dB above operational level

*Peak level (2)=+19dB above operational level

*All audio specifications were measured with Dolby on.