

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

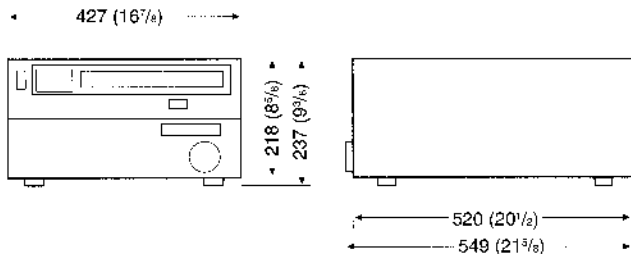
BETACAM SP

Betacam SP Studio Recorder/Player with DT

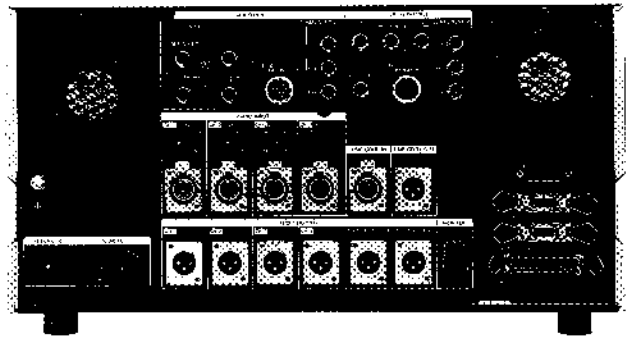
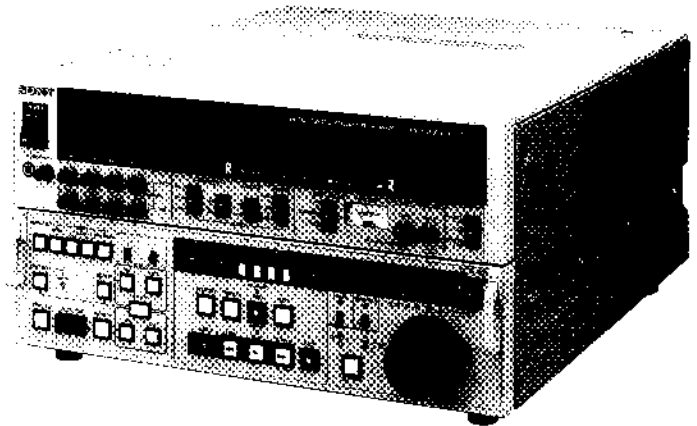
- More than 90 (NTSC)/100 (PAL) minutes of recording/playback time using the L-cassette
- Two AFM audio channels in addition to two longitudinal audio channels with the Dolby C-Type NR (Noise Reduction) system
- Dynamic Tracking (DT) provides broadcast quality pictures from -1 to +2 times normal speed
- 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 $\pm 16\%$ 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)



		BVW-75		BVW-75P	
Camera	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, forward and reverse				
VAR	-1, -1/2, -1/3, -1/4, -1/5, STILL, 1/30, 1/10, 1/5, 1/2, 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				
Video		Metal Particle Tape	Oxide Tape	Metal Particle Tape	Oxide Tape
	Bandwidth	30Hz to 4.5MHz ^{+3.5} / _{-3.0} dB	30Hz to 4.1MHz ^{-3.5} / _{-3.0} dB	25Hz to 5.5MHz ^{-0.5} / _{-3.0} dB (relative to 0.5MHz)	25Hz to 4.0MHz ^{+0.5} / _{-0.0} dB (relative to 0.5MHz)
	Luminance (50% modulation)				
	Color difference (50% modulation)	30Hz to 1.5MHz ^{+3.5} / _{-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	More than 51dB (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)
	Luminance	More than 49dB (Component IN/OUT)			
	Chrominance AM	More than 53dB	More than 50dB	—	—
	PM	More than 53dB	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	50Hz to 15kHz ^{+1.0} / _{-2.0} dB	50Hz to 15kHz ± 3.0 dB	50Hz to 15kHz ^{-1.0} / _{-2.0} dB	50Hz to 15kHz ± 3.0 dB
	Frequency response	(at 10dB below reference level)	(at 10dB below reference level)	(20dB below peak level(1)*)	(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 3%
	Crosstalk (at 1kHz)	Less than -65dB	—	Less than -71dB	Less than -60dB
	Stereo phase (at 15kHz)	Less than 20°	—	$\pm 20^\circ$	$\pm 45^\circ$
	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	—	—	More than 72dB	—
	(at peak level (2)*Weighted CCIR468-3)				
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%	—	
Stereo phase (at 20kHz)	Less than 10°	—	Less than 0.5%	—	
Crosstalk	Less than -70dB (at 1kHz)	—	$\pm 10^\circ$	—	
Wow and flutter (DIN 45507)	—	—	Less than -70dB (at 100Hz to 12.5kHz)	—	
			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.