

BVW-75**Betacam SP Studio Recorder/Player with DT**

- More than 90 min 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-422 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

**Specifications****General**

Weight (Approx):	66 lbs 2 oz (30kg)
Power Requirements:	AC-90V-265V, 48Hz-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:	< 80% (relative humidity)
Tape Speed:	11.86cm/sec
Recording Playback Time:	> 90 min with BCT-90ML > 30 min with BCT-30M
Fast Forward/Rewind Time:	< 180 sec with BCT-90ML
Search Speed	
SHUTTLE:	STILL, $\frac{1}{80}$, $\frac{1}{10}$, $\frac{1}{6}$, $\frac{1}{2}$, 1, 2, 5, and 24 times normal speed, forward and reverse
VAR:	-1, $\frac{1}{2}$, $\frac{1}{6}$, $\frac{1}{10}$, $\frac{1}{80}$, STILL, $\frac{1}{80}$, $\frac{1}{10}$, $\frac{1}{6}$, $\frac{1}{2}$, 1, and 2 times normal speed
JOG:	Frame by frame, forward and reverse
Dynamic Tracking Range:	-1 to +2 times normal speed
Lock Up Time:	< 0.6 sec from standby mode
Dimensions (WHD):	16 $\frac{1}{8}$ " x 11 $\frac{1}{8}$ " x 21 $\frac{1}{8}$ "

Supplied Accessories

AC Power Cord
 VDC-C5 12-pin Dubbing Cable (5m)
 RCC-5G 9-pin Remote Control Cable (5m)
 Extension Boards (3)
 Operation and Maintenance Manual

Optional Accessories**RMM-100**

Rack Mount Kit for BVW-60/65/70/75 series

BVW-75 (CONTINUED)
Video/Audio Specifications

		Metal Particle Tape	Oxide Tape
Video	Bandwidth		
	Luminance (50% modulation)	30Hz-4.5MHz (+0.5/-3.0)dB	30Hz-4.1MHz (+0.5/-6.0)dB
	Color Difference (50% modulation)	30Hz-1.5MHz (+0.5/-3.0)dB	30Hz-1.5MHz (+0.5/-3.0)dB
	S/N Ratio		
	Luminance (Component IN/OUT) (Composite IN/OUT)	> 51dB > 49dB	> 48dB
	Chrominance AM PM	> 53dB > 53dB	> 50dB > 50dB
	Distortion		
	Differential Gain	< 2%	< 3%
	Differential Phase	< 2°	< 3°
	K-Factor (2T pulse)	< 2%	< 3%
Y/C Delay	< 20ns	< 20ns	
L. F. Linearity	< 3%	< 4%	
Audio	Longitudinal		
	Frequency Response (at 10dB below reference level)	50Hz-15kHz (+1.0/-2.0)dB	50Hz-15kHz + 3.0dB
	S/N Ratio (at 3% distortion level)	72dB	50dB (Dolby NR off)
	Distortion T.H.D. (at 1kHz reference level)	< 1%	< 2%
	Crosstalk (at 1kHz)	< -65dB	—
	Stereo Phase (at 15kHz)	< 20°	—
	Depth of Erasure (for recorders only) (at 1kHz)		
	REC Mode	> 70dB	> 70dB
	INSERT Mode	> 65dB	> 65dB
	Wow and Flutter	< 0.1%rms	< 0.1% rms
	AFM		
	Frequency Response	20Hz-20kHz (+0.5/-2.0)dB	—
	Dynamic Range	> 85dB	—
Distortion T.H.D. (at 1kHz reference level)	< 0.5%	—	
Stereo Phase (at 20kHz)	< 10°	—	
Crosstalk (at 1kHz)	< -70dB	—	