

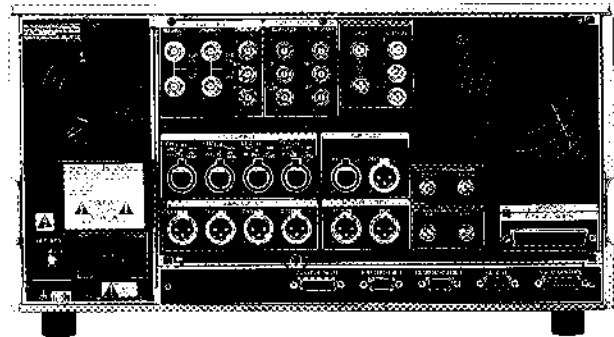
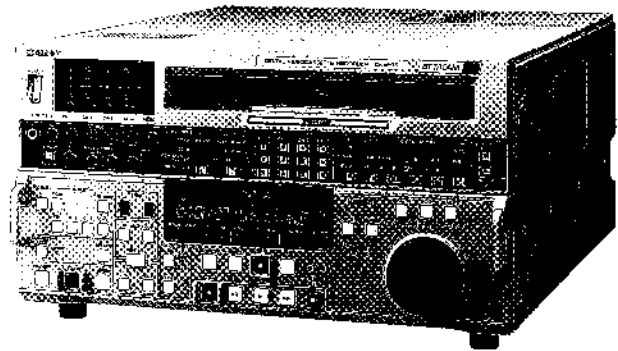
DNW-75_(NTSC)/75P_(PAL)

Digital Video Cassette Recorder

- Superb picture and high sound quality of Betacam SX format
- Component digital recording using the advanced compression algorithm of MPEG-2 4:2:2P@ML ±0 frame insert/assemble editing
- Pre-read editing capability
- Variable speed control
- Dynamic motion control
- Good shot mark handling
- Four channels of 16-bit/48 kHz digital
- Provides long recording times: up to 62 minutes on a single S-cassette, 194 minutes on a L-cassette
- SDTI (SX) output (option) for high-speed transfer of video/audio materials at up to 2x real-time
- Compact design to keep the same dimensions as Betacam SP VTRs
- 525/60, 625/50 switchable in a digital component environment
- Speed search with VTR: ±78 times normal play speed
- SDI input/output
- Analog composite and analog component input
- Three analog composite outputs and one analog component output
- Analog 4-ch audio input/output and AES/EBU digital audio input/output
- RS-422A 9-pin remote control interface
- RS-232C remote control interface
- High reliability and easy maintenance with sophisticated diagnostic system

Supplied accessories: PSW 4 x 16 screws for rack mounting (4)
Operation manual (1)

Optional accessories: BKNW-118 SDTI (SX) Output Board
BKNW-119 Control Panel
BKNW-121 Control Panel Case
BKNW-122 Control Panel Extension Kit
RMM-111 Rack Mount Kit
Maintenance Manual



Downloaded from: www.broadcast-trader.com.au

Specifications

	DNW-75	DNW-75P	
General	Power requirements	AC 100 V to 240 V, 50/60 Hz	
	Power consumption	184 VA (175 W)/AC 240	
	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	25% to 80% (relative humidity)	
	Mass	26.7 kg (58 lb 13 oz)	
	Dimensions (W × H × D)	427 × 237 × 524 mm (16 7/8 × 9 3/8 × 20 3/4 inches)	
	Tape speed	59.515 mm/s (525 mode)	59.575 mm/s (625 mode)
	Digital playback time	Max. 194 min with BCT-194SXL A cassette	
	Fast forward/rewind time	Approx. 3 min with BCT-194SXL A cassette	
	Search speed range	±78 times normal playback speed (Betacam SX)	
	Servo lock time	0.5 s or less (from standby on)	
	Load/unload time	6 s or less	
Outputs signal	Analog composite input	BNC (2), 1.0 Vp-p, 75 Ω, sync negative	
	Analog composite output	BNC (3, including one character out), 1.0 Vp-p, 75Ω, sync negative	
	Analog component input	BNC (3) (for 1 set, Y/R-Y/B-Y), Y: 1.0 Vp-p, 75 Ω, sync negative, R-Y/B-Y: 0.7 Vp-p, 75 Ω	
	Analog component output	BNC (3) (for 1 set, Y/R-Y/B-Y), Y: 1.0 Vp-p, 75 Ω, sync negative, R-Y/B-Y: 0.7 Vp-p, 75 Ω	
	SDI input	BNC (2) (including one active through out), SMPTE 259M, 270 Mbit/s	BNC (2) (including one active through out), ITU-R BT.656-3, 270 Mbit/s
	SDI output	BNC (3) (including one character out), SMPTE 259M, 270 Mbit/s	BNC (3) (including one character out), ITU-R BT.656-3, 270 Mbit/s
	SDTI (SX) output (option)	BNC (2), Maximum ×2 speed, SMPTE 305M	
	Analog audio input (CH 1,2,3,4)	XLR (4)	
	Analog audio output (CH 1,2,3,4)	XLR (4)	
	Digital audio input (CH 1/2, 3/4)	BNC (2), AES/EBU	
	Digital audio output (CH 1/2, 3/4)	BNC (2), AES/EBU	
	Remote control	Remote	D-sub 9-pin (2), Sony 9-pin remote interface
		RS-232C	D-sub 9-pin (1), RS-232C interface"
	Processor Control	D-sub 15-pin (1)	
	Connector for Control Panel	Mini D-sub 29-pin (1)	
	Parallel Remote	50-pin (1)	
Reference input	BNC (1), 0.3 Vp-p, 75 Ω, sync negative (with loop through out)		
Time code input	XLR (1)		
Time code output	XLR (1)		
Monitor output L/R	XLR (2)		
Processor adjustment range	Video level	±3 dB/ ∞ to 3 dB selectable	
	Chroma level	±3 dB/ ∞ to 3 dB selectable	
	Set up/Black level	±30 IRE/±210 mV	
	Chroma phase/hue	±30°	
	System sync phase	±15 μs	
	System SC phase	±200 ns	
	Composite input level	±3 dB	
Digital video performance	Sampling frequency	Y: 13.5 MHz	R-Y/B-Y: 6.75 MHz
	Quantization	8 bits/sample	
	Error correction	Reed-Solomon code	
	Digital input to analog component output	K-factor (2T pulse): 1 % or less	
	Analog component input to analog component output	Input A/D quantization: 8 bits/sample K-factor (2T pulse): 1 % or less LF non-linearity: 2.5 % or less	
	Analog composite input to analog composite output	Differential gain: 2 % or less Differential phase: 2° or less Y/C delay: 15 ns or less K-factor (2T pulse): 1 % or less	
Digital audio performance	Sampling frequency	48 kHz (synchronized with video)	
	Quantization	16 bits/sample	
	Frequency response (0 dB at 1 kHz)	20 Hz to 20 kHz +0.5 dB/-1.0 dB	
	Dynamic range (at 1 kHz, emphasis ON)	More than 90 dB	
	Distortion (at 1 kHz, emphasis ON, reference level)	Less than 0.05%	
	Cross talk (at 1 kHz, between any two channels)	Less than -80 dB	
	Wow & flutter	Below measurable level	
	Head room	20 dB (18 dB selectable)	
	Emphasis (ON/OFF selectable in REC mode)	T1=50 μs, T2=15 μs	
Other accessories	PSW 4 × 16 Rack Mount Screw	(4)	
	Operation manual	(1)	