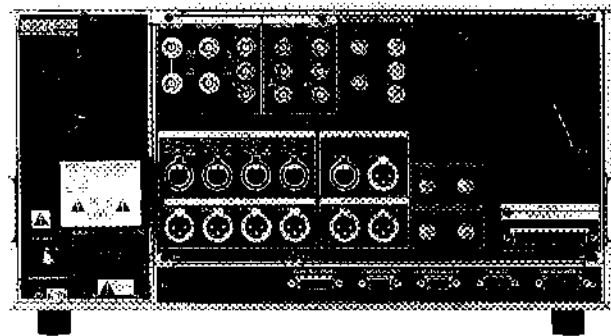
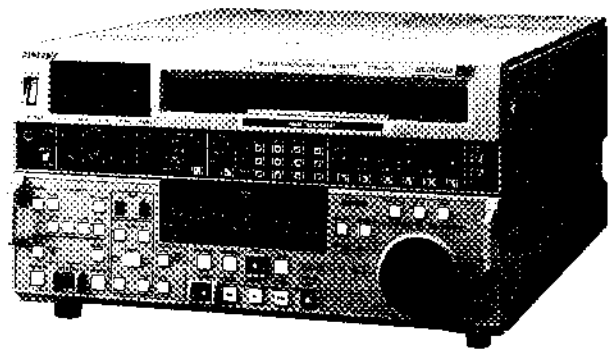


DNW-A75_(NTSC)/A75P_(PAL)

BETACAM SX

Digital Video Cassette Recorder with Analog DT Playback

- 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/48kHz digital audio
- Uses same 1/2-inch tape as Betacam/Betacam SP and maintains playback compatibility with current analog Betacam/Betacam SP format
- Same size cassette tape as Betacam SP provides longer recording times : up to 62 minutes on a single S-cassette tape, 194 minutes on a L-cassette
- Current Betacam SP metal tape cassettes can be used for Betacam SX recording (with Betacam SX, recording time is double the stated duration of the Betacam SP tape)
- SDTI (Serial Data Transport Interface) (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 4ch 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: RCC-5G 9-pin remote control cable (1)
PSW 4 x 16 screws for rack mounting (4)
Maintenance manual part 1 (1)
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 (Part-2)

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

Specifications

	DNW-A75	DNW-A75P		
General	Power requirements	AC 100 V to 240 V, 50/60 Hz		
	Power consumption	215 VA (205 W)		
	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	28.5 kg (62 lb 12 oz)		
	Dimensions (W × H × D)	427 × 237 × 524 mm (16 7/8 × 9 3/8 × 20 3/4 inches)		
	Tape speed	Betacam SX 59.515 mm/s (525 mode)	Betacam/Betacam SP 118.6 mm/s	59.575 mm/s (625 mode) 101.5 mm/s
	Digital playback/recording 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) ±35 times normal playback speed (Betacam/Betacam SP) ±42 times normal playback speed (Betacam/Betacam SP)		
	Servo lock time	0.5 s or less (from standby on)		
Load/unload time	6s or less			
Input/output signals	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, 75 Ω, 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		
	SDTI input (option)	BNC (1), SMPTE 305M		
	SDTI output (option)	BNC (2), Maximum ×2 speed, SMPTE 305M		
	Analog audio input (CH1, 2, 3, 4)	XLR (4)		
	Analog audio output (CH1, 2, 3, 4)	XLR (4)		
	Digital audio input (CH1/2, 3/4)	BNC (2), AES/EBU		
	Digital audio output (CH1/2, 3/4)	BNC (2), AES/EBU		
	Remote control	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		
	Y/C delay	±100 ns (Betacam/Betacam SP playback only)		
	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 (option) 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 (option) 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		
Supplier accessories	Remote Cable (RCC-5G)	(1)		
	PSW 4 x16 Rack Mount Screw	(4)		
	Operation manual	(1)		
	Maintenance manual (part 1)	(1)		