

PVW-2800P



Recorder/player

- Superior picture quality, inherent in the Betacam SP format
- More than 100 minutes of recording/playback time using L-size Metal (for both recording and playback) or Oxide (for playback only) cassettes
- High speed picture search provides recognizable colour pictures at up to 10 times normal speed in forward and reverse (24 times in monochrome)
- Two longitudinal audio channels with Dolby C-type NR (Noise Reduction) system
- RS-422A 9-pin interface with other RS-422A equipped Sony machines (ex. Betacam/Betacam SP VTRs, DVCAM VTRs)
- Built-in comprehensive editing facilities
- Dynamic Motion Control with memory provides slow-motion editing capability (when used with a player VTR equipped with DT function)
- Built-in Time Base Corrector with advanced high quality digital dropout compensator
- TBC remote control from an optional UVR-60P
- Built-in LTC/MITC/User Bits generator and reader
- Built-in character generator
- Enhanced serviceability with built-in self-diagnostics
- User friendly dial menu operation
- Y/R-Y-Y component signal inputs and outputs via BNC or 12-pin Betacam DUB connectors
- S-video (Y/C separate) input/output connectors
- 7-pin U-matic DUB output capability (option)
- Compact and lightweight (5 unit high, 19-inch rack mountable, approx. 25 kg/55 lb 2 oz)
- Low power consumption (150W)

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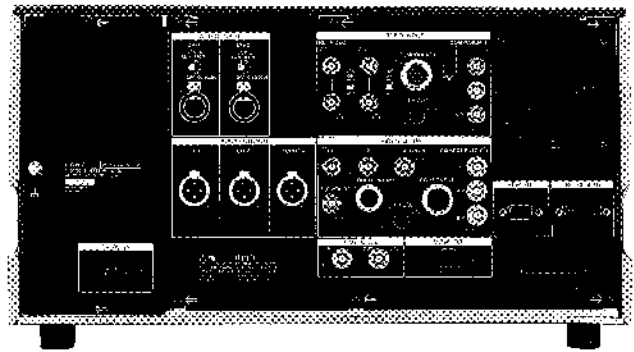
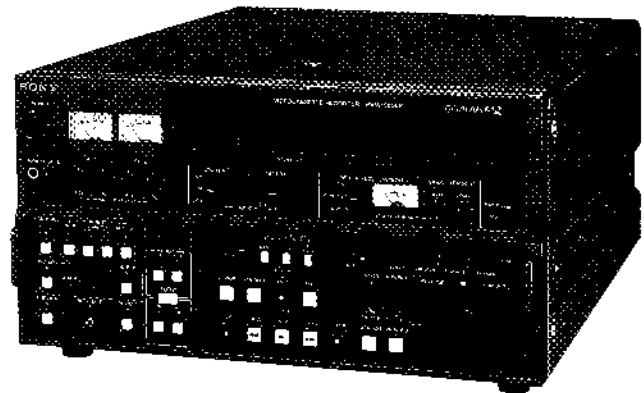
Supplied accessories: AC power cord
Remote control cable RCC-5G (9-pin)
PSW 4 x 16 screws for rack mounting (4)
Operation manual

Optional accessories: TBC Remote Controller UVR-60P
Component colour corrector BVX-10P
Control panel extension kit BKW-2010
U-matic DUB out kit BKW-2030
Control panel case BK-803
12-pin dubbing cable VDC-C5 (5 m)
Remote control cable RCC-5G/10G/30G (5 m/10 m/30 m)
Rack mount kit RMM-110
S-video cable SYC-2/5 (2 m/5 m)

Specifications

General

Type: Editing recorder/player
Video recording system: Rotary 4 head helical scan
Luminance: FM recording
Chrominance: FM recording (CTDM recording)
CCIR monochrome/PAL colour
Video Signal system: CCIR monochrome/PAL colour
Operating temperature: 5 to 40°C (41 to 104°F)
Storage temperature: -20 to 60°C (-4 to 140°F)
Power requirements: AC 198 to 264V, 48 to 64Hz
Power consumption: 150W
Humidity: Less than 80% (relative humidity)
Mass: Approx. 25 kg (55 lb 2 oz)
Dimensions: 427 (W) x 237 (H) x 549 (D) mm (16 7/8 x 9 3/8 x 21 5/8 inches) (including projecting parts)
Tape speed: 101.5 mm/s
REC/Playback time: More than 100min with BCT-90MLA
More than 35min with BCT-30MA
Fast Forward/Rewind time: Less than 3min with BCT-90MLA
Search speed: SHUTTLE 19 steps, still to 24 times normal speed, forward and reverse
JOG Frame by frame, forward and reverse



PM	More than 48dB (1.0MHz LPF)	More than 48dB (0.5MHz LPF)
Differential gain	Less than 3%	—
Differential phase	Less than 3°	—
K-factor (2T pulse)	Less than 2%	Less than 3%
Y/C delay	Less than 20ns	Less than 20ns
Audio performance		
Frequency response (20dB below peak level)*2	50Hz to 15kHz ±1.0dB	50Hz to 15kHz ±3.0dB
S/N ratio (at peak level)*2	More than 68dB (Dolby NR ON)	More than 62dB (Dolby NR ON)
Distortion (at 1kHz) at operational level (4dBu)	Less than 1.0%	Less than 2.0%
Wow and flutter (DIN45507)	Less than 0.1% rms	Less than 0.1% rms

Signal inputs

REF VIDEO IN (BNC): 1.0Vp-p, 75Ω
VIDEO IN (BNC): Composite video, 1.0Vp-p, 75Ω, sync negative
COMPONENT IN 1 (12-pin male)*3:
Luminance 1.0Vp-p, 75Ω, sync negative
Colour difference R-Y: 0.7Vp-p, 75Ω, B-Y: 0.7Vp-p, 75Ω
COMPONENT IN 2 (BNC x 3)*3:
Luminance 1.0Vp-p, 75Ω, sync negative
Colour difference R-Y: 0.7Vp-p, 75Ω, B-Y: 0.7Vp-p, 75Ω
S-VIDEO IN:
Y: 1.0Vp-p, 75Ω
C: 0.3Vp-p (burst), 75Ω
AUDIO IN CH-1/2 (XLR 3-pin female):
LOW -60dBu, 3kΩ, balanced
HIGH +4dBu, 600Ω/10kΩ selectable, balanced
TIME CODE IN (BNC): 0.5V to 18Vp-p, 10kΩ

Signal outputs

VIDEO OUT 1 (BNC): Composite video, 1.0Vp-p, 75Ω, sync negative
VIDEO OUT 2 (BNC): Composite video, 1.0Vp-p, 75Ω, sync negative
VIDEO OUT 3 (BNC): Composite video, 1.0Vp-p, 75Ω, sync negative with or without character insertion
COMPONENT OUT 1 (12-pin male)*3:
Luminance 1.0Vp-p, 75Ω, sync negative
Colour difference R-Y: 0.7Vp-p, 75Ω, B-Y: 0.7Vp-p, 75Ω
COMPONENT OUT 2 (BNC x 3)*3:
Luminance 1.0Vp-p, 75Ω, sync negative
Colour difference R-Y: 0.7Vp-p, 75Ω, B-Y: 0.7Vp-p, 75Ω
AUDIO LINE OUT (XLR 3-pin male) CH-1/2:
+4dBu, 600Ω, balanced
AUDIO MONITOR OUT (XLR 3-pin male) CH-1/2:
+4dBu, 600Ω, balanced
U-matic DUB OUT (with an optional BKW-2030):
Y: 0.5Vp-p, 75Ω, C: 0.5Vp-p, 75Ω
S-VIDEO OUT:
Y: 1.0Vp-p, 75Ω, C: 0.3Vp-p (burst), 75Ω
TIME CODE OUT (BNC): 1.2Vp-p, 75Ω

*1 The specifications of "video/audio performance oxide tape" were measured by playing back material on a standard PVW series VTR that had been recorded on a standard BVW series Betacam SP VTR.

*2 Peak level: -20dB above operational level.

	Metal Particle Tape	Oxide Tape*1
Video performance		
Bandwidth:		
Luminance (50% modulation)	25Hz to 5.5MHz ±0.5dB	25Hz to 4.0MHz ±0.5dB
Colour difference (50% modulation)	25Hz to 2.0MHz ±0.5dB	25Hz to 1.5MHz ±0.5dB
S/N ratio:		
Luminance	More than 48dB	More than 46dB
Chrominance		