

# SONY®

NTSC

## Digital BETACAM™

### Digital BETACAM Player

# DVW-522



ISR

Interactive  
Status  
Reporting

# DVW-522 Digital BETACAM Player

Since its introduction in 1993, the Digital BETACAM® format has proliferated across the television broadcasting, production and post production communities.

The unparalleled success of the format has generated a strong demand among customers for a simple Digital BETACAM player for the purpose of viewing recorded and edited tapes. To meet that demand, Sony now proudly introduced the DVW-522.

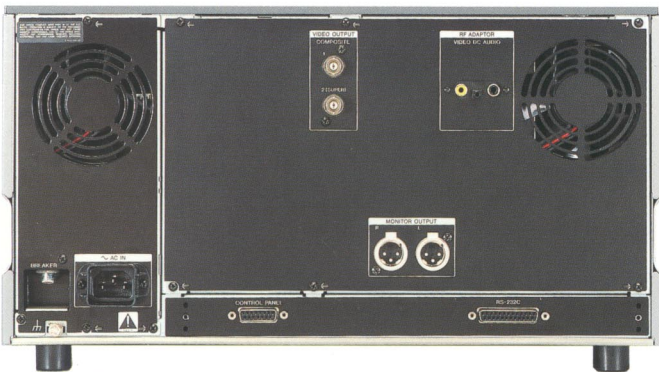
To deliver maximum operational flexibility, the DVW-522 is equipped with a search dial that facilitates high-speed picture search. Sony's Dynamic Tracking® playback capability operates over the range of -1 to +3 times normal playback speed, and recognizable color pictures are produced at speed up to ±50 times normal playback speed.

All four digital audio channels can be monitored, and with the optional RF modulator, playback pictures and sound can be monitored using a conventional television receiver.

The superb picture quality of the Digital BETACAM format, combined with the above features, makes the DVW-522 a highly cost-effective, simple to operate Digital BETACAM player.

## Performance Features

- Picture and sound quality of Digital BETACAM format.
- Playback time greater than 124 minutes using L-size Digital BETACAM cassette.
- Two-way dial control of Jog and Shuttle modes. Dial operation modes can be executed by pressing the search dial knob itself, or by activating the JOG/SHUTTLE/ VAR buttons.
- High-speed picture search provides recognizable color pictures at up to ±50 times normal playback speed.
- Dynamic Tracking playback delivers high quality picture over the range of -1 to +3 times normal playback speed.
- Setup menus are provided for basic operational parameters and to monitor operating hours meters.
- Using the optional RF adaptor, pictures and audio can be monitored using a conventional television receiver.
- LTC, VITC, CTL and User Bit information may be superimposed on the playback picture via either VIDEO output or RF output.
- Video / Audio outputs
  - **Analog Composite** : BNC x 2 (One of these has the capability to display superimposed character, at the discretion of the viewer)
  - **Audio monitor (L/R)** : (XLR x 2, phone x 1)  
Any of the four channels can be routed to either the left channel or the right channel audio output. An audio phono connector can be fed with either a single audio channel or a mix.
  - **RF adaptor output** : Video/Audio/DC output are provided for an optional RFU adaptor.
  - **RS-232C Remote Control** : Various parameters can be set up and monitored via this port using the Sony ISR (Interactive Status Reporting) System.
  - **Control Panel** : The control panel can be completely detached and used to remotely operate the player from a distance of up to 10 meters (30 feet) using the optional BKDW-510 Control Panel Extension Kit and BKDW-511 Control Panel Case.
- Nineteen-inch rack mountable



Rear Panel

## Specifications

### General

Power requirements:	AC 90V to 256V, 48 Hz to 64Hz
Power consumption:	150 VA (105W)
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)
Weight:	31 kg (69 lb)
Tape speed:	96.7mm/s
Playback time:	124 min with BCT-D124L cassette 40 min with BCT-D40 cassette
Fast forward/Rewind time:	Approx. 3 min with BCT-D124L cassette
Search speed	
SHUTTLE:	Still to approx. ±50 times normal play speed
VAR:	-1 to +3 times normal play speed
Dynamic Tracking range:	-1 to +3 times normal play speed
Servo lock time:	0.5s or less (from standby on)
Load/unload time:	6.0s or less

### Signal outputs

Analog composite:	BNC (2 including 1 for character superimposition) 1.0 Vp-p, 75Ω, sync negative
Audio monitor(L/R):	XLR, 3-pin, male (2) +4 dBm at 600Ω load, low impedance, balanced
Headphones:	JM-60 stereo phone jack ∞ to -12 dBu at 8Ω load, unbalanced
RFU video:	PIN JACK, 1.0 Vp-p, 75Ω, sync negative
RFU audio monitor:	PIN JACK, -10 dBu at 47kΩ, unbalanced
RFU DC:	ø 2.5 JACK, +5Vdc / GND

### Others

Control Panel:	D-sub 15-pin, female
RS-232C:	D-sub 25-pin, female

### Video/ Audio Performance

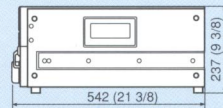
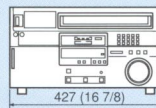
Analog composite output	
Bandwidth:	Y: 0 to 5.0MHz +0.5/-2.0 dB
S/N ratio:	54 dB or more
Differential gain:	3% or less
Differential phase:	3° or less
Y/C delay:	20 ns or less
K factor (2T Pulse):	1.5% or less
Monitor out (Digital Audio)	
Frequency response:	20 Hz to 20kHz +0.5 dB/-1.0 dB (0 dB at 1kHz)
Dynamic range:	More than 85 dB (at 1kHz, emphasis ON)
Distortion:	Less than 0.08% (at 1kHz, emphasis ON, reference level)
Crosstalk:	Less than -70 dB (at 1kHz, between any two channels)
Monitor out (Cue)	
Frequency response:	100 Hz to 12 kHz ±3dB (at 20 dB below peak level)
S/N ratio:	More than 45 dB (at 3% distortion level)
Distortion:	Less than 2% (T.H.D at 1kHz, reference level)
Wow and flutter:	Less than 0.2% rms

### Supplied accessories

- Power cord (1), PSW 4 x 16 screws for rack mounting (4)
- Operation manual (1), Installation/Maintenance manual (1)

### Optional Accessories

- BKDW-510 Control panel extension kit (cable and blank panel)
- BKDW-511 Control panel case
- RMM-110 Rack mount adaptor
- BCT-D12CNL Cleaning cassette tape
- RFU-89UCA TV RF Adaptor



Unit: mm (inch)

Design and specifications subject to change without notice.

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