

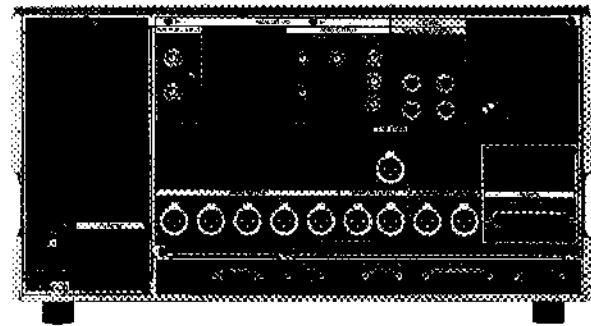
DVW-A510(NTSC)/A510P(PAL)

Digital BETACAM

Digital BETACAM Player with

BETACAM/BETACAM SP Playback Compatibility

- Component digital recording
- Four channels of 20-bit dynamic digital audio (18-bit D/A conversion)
- Same size cassette tapes as current BETACAM/BETACAM SP provides longer playback time; Large cassette (Max. 124 min), Small cassette (Max. 40 min)
- BETACAM/BETACAM SP playback compatibility
- Identical dimensions with current BETACAM SP studio VTRs allows easy installation into existing system including LMS and Flexicart multi-cassette systems
- SDI(Serial Digital Interface) allows simple connection
- Digital Jog Sound provides full recovery of digital audio even in the jog mode
- Recognizable color pictures at shuttle speeds up to 50 times normal speed
- Dynamic Tracking (DT) playback within the range of -1 to +3 times normal playback speed
- Program Play allows video recordings to be reproduced within the range of $\pm 15\%$ normal speed (Audio Program Play is also available with the optional BKDW-507 Audio Program Play board)
- Automatic Equalizer allows adjustment free operation
- Built-in signal generator
- Versatile system interface; Serial digital video/audio, AES/EBU digital audio, analog component, analog composite outputs, RS-422A and RS-232C serial communication ports, video processor control port, parallel communication port (with the optional BKDW-509 Parallel (50P) Interface Kit)



Parallel I/F is optional

- Supplied accessories: AC power cord
RCC-5G 9-pin remote control cable
PSW 4 x 16 screws for rack mounting
Operation manual
Installation manual
Maintenance manual
- Optional accessories: Audio program play board (BKDW-507)
Parallel (50P) interface kit (BKDW-509)
Control panel extension kit (cable and blank panel: BKDW-510/control panel case: BKDW-511)
Rack mount kit (RMM-110)

Specifications

General

- Power requirements: AC 90V to 265V, 48Hz to 64Hz
Power consumption: 175W
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: Less than 80% (relative humidity)
Mass: 34 kg (75 lb)
Dimensions: 427(W) x 237(H) x 542(D) mm
including feet (16 $\frac{7}{8}$ x 9 $\frac{3}{8}$ x 21 $\frac{1}{2}$ inches)
Format: Digital BETACAM
Tape speed: Digital BETACAM: 96.7 mm/s
Betacam playback: 118.6 mm/s (DVW-A510),
101.5 mm/s (DVW-A510P)
Digital playback time: Max. 124 min with BCT-D124L
Analog playback time: Max. 90 min with BCT-90MLA
Fast forward/rewind time: Approx. 3 min with BCT-D124L
Search speed (Shuttle mode): Still to approx. ± 50 times normal playback speed
Dynamic tracking range (VAR mode): -1 to +3 times normal playback speed
Servo lock time: 0.5 s or less (from standby on)
Load/unload time: 6 s or less

Digital Video

- Sampling frequency: Y: 13.5MHz, R-Y/B-Y: 6.75MHz
Quantization: 10 bits/sample
Analog component output:
Bandwidth: Y: 0 to 5.75MHz ± 0.5 , R-Y/B-Y: 0 to 2.75MHz ± 0.5
S/N ratio: 62dB or more
K-factor (2T pulse): 1% or less

Digital Audio

- Sampling frequency: 48kHz
Quantization: 20 bits/sample
D/A quantization: 18 bits/sample
Frequency response: 20Hz to 20kHz +0.5dB/-1.0dB (0dB at 1kHz)
Dynamic range: More than 95dB (at 1kHz, emphasis ON)
Distortion: Less than 0.05% (at 1kHz, emphasis ON, reference level*)
Cross talk: Less than -80dB (at 1kHz, between any two channels)
Wow & flutter: Below measurable level
Head room: 20dB
Emphasis: T1=50 μ s, T2=15 μ s (ON/OFF automatic selection)

Analog Audio (Cue track)

- Frequency response: 100Hz to 12kHz ± 3 dB
S/N ratio: More than 45dB (at 3% distortion level)
Distortion: Less than 2% (T.H.D at 1kHz reference level*)
Wow & flutter: Less than 0.2% (rms/DIN 45507 weighted)
*Reference level: +4dBm