

Portable Tape Recorders



2-Channel Portable Tape Recorder for ENG/EP Applications

APR-2003

- Two audio tracks and center time code track for SMPTE/EBU time code
- Two tape speeds—19.05cm/sec and 9.5cm/sec
- Balanced microphone, line and time code inputs
- Reliable quartz-locked direct drive mechanism

Tape and reel size:	6.25mm (1/4"), 5" reel
Tape speeds:	19cm/s (7 1/2 ips) and 9.5cm/s (3 3/4 ips)
Audio track width:	2.1mm for each track
Time code track width:	0.38mm ± 0.03mm
Time accuracy:	Less than 8msec at 19cm/s (for both audio and time code tracks)
Inputs/outputs:	LINE IN/MIC (Cannon XLR-3-31 type x 2) LINE IN: -10dBs minimum (-20dBs to +20dBs set by internal wiring)*, 47k ohms, balanced MIC: -70dBs/-50dBs* with 20dB attenuation, 10k ohms, balanced, DC48V (7mA/CH) or 12V (10mA/CH) for condenser microphones *0dBs = 0.775V TIME CODE IN (Cannon XLR-3-31 type x 1) 0.5Vp-p—5Vp-p, 10k ohms, balanced LINE OUT (Cannon XLR-3-32 type x 2) 0dBs at 47k ohms, 600 ohms, unbalanced EXT NRS (Tuchel 7-P type x 1) IN: 0dBs, 47k ohms, unbalanced OUT: 0dBs, 100 ohms, unbalanced HEADPHONES (stereo phone x 1) 1mW at 32 ohms
Frequency response (AMPEX 456):	19cm/s 30—15,000Hz ± 2dB 25—18,000Hz ± 3dB 9.5cm/s 30—10,000Hz ± 2dB
Total harmonic distortion (1kHz, 510nWb/m, AMPEX 456):	19cm/s Less than 2% 9.5cm/s Less than 2.5%
Wow and flutter:	19cm/s ± 0.08% (DIN) 0.05% WRMS (NAB) 9.5cm/s ± 0.12% (DIN) 0.08% WRMS (NAB)
Speed stability:	± 0.3% (for both 19cm/s and 9.5cm/s)
Built-in speaker:	500mW (16 ohms)

Power requirements:

Power supply voltage: DC10V—14V
Current necessary: 2A
NP-1 rechargeable battery pack (optional) or AC operation with the addition of AC-500/500CE AC adaptor (optional)

Battery life:

More than 2 hours with NP-1 rechargeable battery pack

Dimensions:

335(W) x 140(H) x 300(D)mm
(13 1/4 x 5 5/8 x 11 7/8")

Weight:

Approx. 6.7kg (14 lb 13 oz) with NP-1

Supplied accessories:

Reel (x 1) Reel lock adaptors (x 2)
Shoulder strap (x 1) Dust cover (x 1)
Tuchel 7-P connector (x 1)

Portable Cassette Recorder

TC-D5 PRO

- Record mode selector for recording in stereo or mono using 2 tracks simultaneously
- Reliable mechanism including Disc-Drive Capstan-Servo tape transport with coreless motor
- Compact unit weighing only 1.7kg (3 lb 12 oz) including batteries

Recording system:

4-track 2-channel stereo/mono

Frequency response:

FeCr (Type III) tape
40—16,000Hz ± 3dB (NAB)
40—16,000Hz (DIN)

Total harmonic distortion:

1.3%

Wow and flutter:

0.06% (WRMS)
± 0.17% (DIN)

Monitor speaker:

5cm (2") dia

Inputs:

MIC (x 2), Cannon XLR-3-32 type

Outputs:

HEADPHONES, binaural

Power requirements:

DC3V, 2 "D" size batteries

Battery life:

Approx. 4.5 hours with alkaline batteries

Dimensions:

237(W) x 48(H) x 168(D)mm
(9 3/8 x 1 7/8 x 6 5/8")

Weight:

Approx. 1.7kg (3 lb 12 oz) including batteries

Supplied accessories:

Connecting cord RK-74H (with phono plugs) (x 1)
Carrying case and shoulder strap (1 set)
Head cleaning tips (1 set) Belt (1 set)