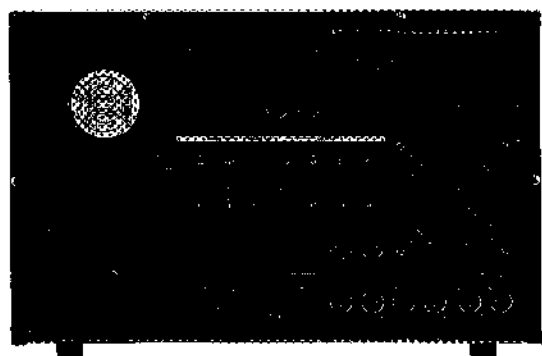
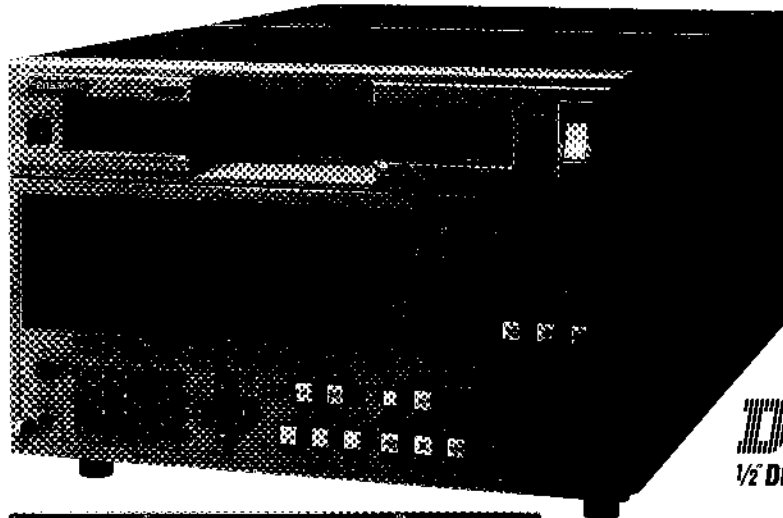


AJ-D350

D-3 1/2" Composite Studio VTR



Rear



- Single-format system expandability from camera/recorders to M.A.R.C.
- Advanced 8-14 channel coding and powerful error correction provide high picture quality and reliability at a high recording density.
- Auto-tracking allows noiseless still/slow playback. (-1x to 3x normal speed)

- 4-isc, 8-bit video sampling, 54dB video S/N ratio, and 7.5-MHz video bandwidth
- 48-kHz 20-bit sampling onto 4-channel PCM audio, with frequency response from 20-Hz to 20-kHz (+0.5dB/-0.5dB), and dynamic range of 95dB
- PCM 4-channel audio allows independent editing, and unique technology suppresses editing degradation.
- Rotary erase heads improve sound quality by achieving complete erasure.
- One longitudinal audio channel
- Multi-generation dubbing capability (up to 20 generations)
- High-speed 100x normal speed search with colour playback
- Programme play permits playback speed adjustment from 85% to 115%, in 0.1% steps.
- Confidence playback of video and audio is possible during recording.
- Complete editing functions include assemble, insert, audio split editing, spot erase and variable memory editing (VME).
- Diagnostic Programme built-in
- All necessary data centrally indicated on large EL display

Standard Accessories

Digital Video Cable
Remote Control Cable
Extension Board

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

AJ-D350

General

Power Requirement:	200V to 240V AC $\pm 10\%$, 50/60Hz
Power Consumption:	Max. 450W
Operating Temperature:	5°C to 40°C
Operating Humidity:	10% to 80% (non-condensing)
Weight:	Approx. 48 kg
Dimensions (W x H x D):	424 x 265 x 667 mm (Including handles and feet)
Recording Format:	D-3
Tracks/Channels:	Digital video and audio (4 channels): 8 tracks/1 field Analogue audio (cue): 1 track, Time code: 1 track, CTL: 1 track
Tape Speed:	83.88 mm/sec.
Record Time:	S: Max. 50 minutes with AJ-TD46S M: Max. 95 minutes with AJ-TD90M L: Max. 185 minutes with AJ-TD180L D-3 1/2" Digital cassette (L, M, S size) Metal (1600 Oe) tape or equivalent Within 1.5 sec. (with colour frame capstan servo lock mode from standby mode)
Cassette Type:	
Recommended Tape:	
Servo Lock Time:	
Tape Timer Accuracy:	± 1 frame (with continuous CTL signal)
Edit Accuracy:	0 frames (with time code)
FF/Rew Time:	Within 90 sec. (with 90-minute tape)
Load/Unload Time:	Within 5 sec.
Cueing:	Within 5 sec. (30 sec. spot)

Video Performance

Sampling Frequency:	4 Fsc = 17.7MHz
Quantization:	8 bits/135°, 45° axis sampling
Channel Coding:	Advanced 8 to 14
Video Bandwidth:	0Hz to 6.0MHz ± 0.5 dB, 0Hz to 7.5MHz +0/-3dB
S/N Ratio:	54dB
Differential Gain:	Less than 2%
Differential Phase:	Less than 1°
Moire:	0
Y/C Delay:	Less than 15 nsec.
Tilt (Horizontal & Vertical):	Less than 1%
Low Frequency Linearity:	Less than 2% (including quantization noise)
K Factor:	Less than 1%
Output SCH Phase:	Based upon CCIR Report 624-3
Input Level Adjustable Range:	± 3 dB (Analogue input only)
Output Adjustable Range:	Video Gain: $-\infty$ to +3dB Chroma Gain: $-\infty$ to +3dB Chroma Phase: $\pm 15^\circ$ Black Level: ± 100 mV Video Phase: ± 1.8 μ sec. (226 nsec./STEP) Sync Phase: ± 1.8 μ sec. SC Phase: More than 360°

Digital Audio (DA1 to 4 channels)

Sampling Frequency:	48kHz (synchronized to video)
Quantization:	20 bits/sample
Dynamic Range:	More than 95dB (at 1kHz, "A" weighted)
Distortion:	Less than 0.03% (at 1kHz, emphasis Off operating level)
Cross Talk:	Less than -80dB (at 1kHz, between any two channels)
Wow & Flutter:	Below measurable limit
Headroom:	20dB
Operating Level:	+8, +4, 0, -20dB adjustable (LINE IN/OUT)
Emphasis:	T ₁ = 50 μ sec./T ₂ = 15 μ sec. (On/Off selectable)
Input/Output Gain Range:	$-\infty$ to +12dB

Analogue Audio/(Cue Track)

Frequency Response:	100Hz to 12kHz ± 3 dB
S/N Ratio:	Better than 44dB (at 3% distortion)
Distortion:	Less than 2% (at 1kHz, operating level)
Wow & Flutter:	Less than 0.15% (DIN weighed)
Operating Level:	LINE IN: +8, +4, 0, -20, -60dBu LINE OUT: +8, +4, 0, -20dBu
Input/Output Gain Range:	$-\infty$ to +12dB

Input/Output Signal

Video Input	
Analogue:	1.0 ± 0.3 Vp-p, 75 Ω
Digital:	10 bit parallel
Reference:	Composite (Black burst) Signal Sync & burst 0.3Vp-p, 75 Ω
Video Output	
Analogue:	VIDEO 1 (VBS/VB/VSA/V switchable) VIDEO 2 (VBS) VIDEO 3 (Character ON/OFF) 10 bit parallel
Digital:	
Audio Input	
Analogue (CH1, 2, 3, 4):	Max. +28dBu (Nominal +8dBu), 150 Ω /600 Ω /high impedance switchable AES/EBS format
Digital (CH1/2, 3/4):	Max. +18dBu (Nominal +8dBu), 150 Ω /800 Ω /high impedance switchable
Cue Line In:	
Audio Output	
Analogue (CH1, 2, 3, 4):	Max. +28dBu (Nominal +8dBu), low impedance
Digital (CH1/2, 3/4):	AES/EBS format
Cue:	Max. +18dBu (Normal +8dBu), low impedance
Monitor L/R:	Max. +28dBu (Nominal +4 dBu), low impedance
Headphones:	Variable level control by VR
General	
CF Pulse In/Out:	TTL level
WFM Out:	75 Ω , Video/CTL/RF ENV CH0 or ENV CH1 (selectable)
Time Code	
Input:	2.4V ± 1.4 Vp-p, 10k Ω , balanced
Output:	2.4Vp-p, low impedance, balanced
Remote	
Remote-In:	For 9-pin RS-422A interface
Remote-Out:	For 9-pin RS-422A interface
Remote-In/Out:	For 9-pin RS-422A interface
RS-232C:	For RS-232C interface
GP-1B:	For GP-1B (IEEE-488) Interface
Parallel I/O:	For parallel communication
V/A Control:	For video and audio remote control