

AJ-D700 1/2" FIT-3CCD DVCPRO Camera/Recorder



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General Features:

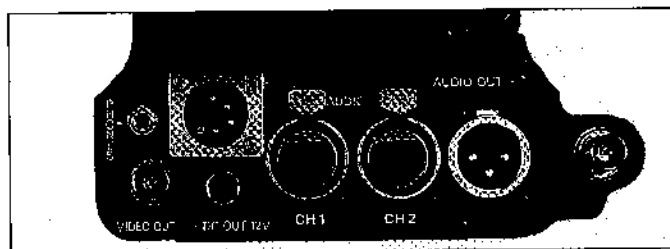
- Integrated digital camera and DVCPRO 1/4" digital VTR permits one-person operation
- Light-weight: 5.85 kg (including lens, viewfinder, tape and battery)
- Maximum recording on one compact 1/4" cassette: 63-min. with AJ-P63M
- Low power consumption and power save mode (24W)

Camera Features:

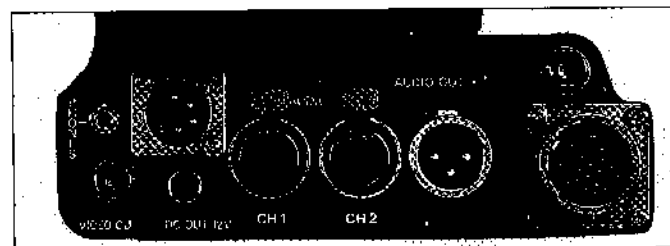
- 1/2" Frame Interline Transfer 3CCD image sensors for minimal vertical smear
- 480,000-pixel, resolution of 750 TV lines, on-chip lens with high sensitivity 2,000-lux at F8.0
- Stable, reliable picture quality through digital signal processing
- Digital set-up allows numerical adjustment of parameters.
- Electronic shutter (1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000 sec.) sync/ro scan shutter (29.9 to 47.6-Hz / 51.5 to 252-Hz)
- Minimum illumination 2-lux (f1.4, +30dB)
- Gain: -3/0/+3/+6/+9/+12/+15/+18/+21/+24/+30dB
- Scene file & optional IC card (PCMCIA SRAM card/option)
- High-resolution 1.5" EVF
- 26-pin connector (with optional AJ-YA700)

VTR Features:

- Superb picture quality across 5.75-MHz (Y) video bandwidth with 53dB S/N
- 48-kHz sampling 16-bit audio recording
- 2-channel of PCM audio with 85dB S/N and 1 analogue cue channel
- Built-in time code generator/reader
- Full colour picture playback
- Video return



Rear Panel with Video Return Connector



Rear Panel with optional AJ-YA700 Connector

Optional Accessories for AJ-D700

AJ-VF53 5" Viewfinder	SHL-QVF5D700 5" EVF Adapter	AJ-MC700 Microphone Kit	AJ-MH700 Microphone Holder	AJ-YA700 26 pin VTR Connect
SHAN-TM700 Tripod Adapter	S18 x 6.7BRM4 1/2" Bayonet type Fujinon Lens	S18 x 6.7BERM4 1/2" Bayonet type Fujinon Lens with 2x Extender	YH18 x 6.7KRS 1/2" Bayonet Type Canon Lens	YH18 x 6.7IRS 1/2" Bayonet type Canon Lens with 2x Extender
AJ-B75 AC Adaptor	AJ-EC2 Extension Control Unit	SHAN-B700 Hard Carrying Case	AJ-SC700 Soft Carrying Case	SHAN-C12TCA TC/Audio Cable Return BNC Connect
AJ-YA710 TC In/Out / Video	SHL-064H SRVS SRAM Memory Card for set up	SHAN-RC700 Rain Cover	AU-M402H Battery Holder for AJ-BP402	AU-BP402 Battery Pack
SHAN-B220 Battery Holder for AU-BP220 & NP1	AU-BP220 Battery Pack	Anton/Bauer Battery Systems		

AJ-D700

General

Power Requirement:	DC 12V (11V to 17V)
Power Consumption:	24W (Including 1.5' V.F.)
Operating Temperature:	0°C to 40°C
Storage Temperature:	-20°C to 60°C
Operating Humidity:	Less than 85%
Weight:	5.85 kg (includes lens, EVF, tape and battery)

Camera Section

Pick-up Device:	Frame Interline Transfer 1/2' CCD Image sensor (x3)
Picture Element:	Total: 480,000-pixel
Digital Quantization:	10-bit A/D
Digital Signal Processing:	14.4/28.8MHz
Sensitivity (89.9% reflection):	2,000 lux at F8.0
Minimum Illumination:	2 lux (at F1.4, +30dB gain)
Shutter Speed:	1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000 sec.
Synchro Scan:	1/29.9 to 1/47.6 sec., 1/51.5 to 1/252 sec.
Optical Filter:	3200K, 5600K+1/4ND, 5600K, 5600K+1/16ND
Signal-to-Noise Ratio:	60dB (typical)
Registration:	Less than 0.03% (all zones, without lens)
Gain:	-3/0/+3/+6/+9/+12/+15/+18/+21/+24/+30dB
Setup Card:	PCMCIA SRAM Card (Option)

EVF Section

CRT:	1.5" monochrome
Resolution:	600 TV-line (at centre)

VTR Section

Format:	DVCPRO
Recording/Playback Time:	63 min. with AJ-P63M cassette
FF/REW Time:	Approx. 3 min. using AJ-P63M

Video Performance (Analogue Component Out)

Bandwidth:	Y: 0Hz to 5.75MHz, +1.0/-3dB
Signal-to-Noise Ratio:	53dB or more
K Factor (2T):	3% or less
Linearity:	3% or less
Y/C Delay:	30ns or less

Audio Performance (Digital Audio)

Frequency Response:	20Hz to 20kHz +1.0/-1.0dB
Dynamic Range (at 1kHz, A.WTD):	More than 85dB
Distortion:	Less than 0.1% (1kHz, reference level)
Cross Talk:	Less than -70dB (1kHz)
Wow & Flutter:	Below measurable limit
Headroom:	Less than 18dB
Emphasis:	T1=50µs T2=15µs (ON/OFF Selectable)

Input/Output Signal

Video Input:	BNC x 1, 1.0Vp-p, 75Ω
Genlock Input:	BNC x 1, 1.0Vp-p, 75Ω
Mic In:	XLR (-60/-50/-40dBu selectable, balanced, 3kΩ)
Audio Input:	XLR (CH1/CH2) (MIC/LINE switchable balanced, 10kΩ) MIC: -60/-50/-40dBu selectable LINE: +4/0/-6dBu selectable
Camera Out:	BNC x 1, 1.0Vp-p, 75Ω
Video Out:	BNC x 1, 1.0Vp-p, 75Ω
Audio Output:	XLR x 1 (CH1/CH2/MIX selectable) (0dBu balanced, low impedance) Multi-Connector (12-pin) (CH1/CH2) (-20dBu unbalanced, low impedance)
Earphone Output:	Stereo mini-jack x2

Others

Time Code In/Out:	12-pin multi-connector (In: 0.5 to 18Vp-p, 10kΩ, Out: 1.0Vp-p, 75Ω)
VTR Connector (option):	26-pin
Camera Remote:	6-pin
Lens:	12-pin
DC In:	XLR 4-pin male, DC 11V to 17V
DC Out:	4-pin (DC 12V, 100mA)