

AJ-D650 DVCPRO Studio Editing VTR

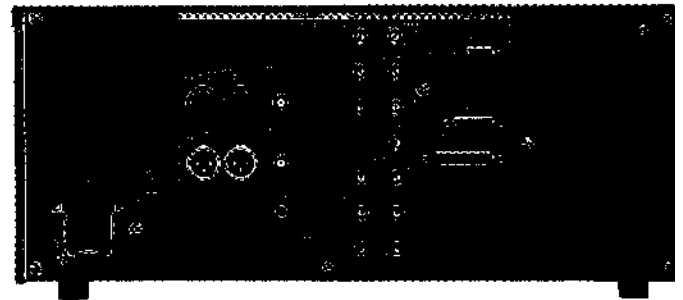
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AJ-D640 DVCPRO Video Cassette Recorder/Player



- Component Digital VTR using the 1/4" cassette
- Compact 4 rack unit size, light-weight
- Optional serial digital input/output EBU Tech. 3267-E (embedded audio)
- Playback of DV-format recordings, using the optional AJ-CS750 cassette adaptor
- S-Video IN/OUT connectors

- 2 PCM audio channels with 48-kHz sampling
- Maximum recording on one compact 1/4" cassette: 123-min. with AJ-P123L
- Maximum 60x normal speed search
- RS-422A 9-pin serial, RS-232C interface
- Built-in time code generator/reader (VITC/LTC)
- Maximum 100x normal speed FF and REW
- Encoder (TBC) control remote
- 19" rack-mount capability
- Channel Condition Indication on the front panel
- On-screen set-up display
- Editing function. (AJ-D650 only)



Rear

Optional Accessories for AJ-D650/AJ-D640

AJ-YA750 Component Serial Digital Interface Board	AJ-YA656 Digital Audio Interface Board (XLR)	AJ-YA655 Digital Audio Interface Board (BNC)	AJ-CS750 Mini-DV Cassette Adaptor	AU-ER65B Encoder Remote Controller
AJ-MA75 Rack Mount Adaptor (slide rail not included)	AU-C5/AU-C10 RS-422A (9-pin) Remote Cable (5 m/16 m)	AU-A960 Multi-Event Editing Controller	AG-A850 Multi-Sync Editing Controller	AG-A350 Editing Controller

AJ-D650/AJ-D640

General

Power Requirement:	220 ~ 240V AC, 50 to 60Hz
Power Consumption:	150W
Operating Temperature:	5°C ~ 40°C
Operating Humidity:	10% ~ 90%
Weight:	18.0 kg
Dimensions (W x H x D):	424 x 175 x 415 mm
Recording Playback Time:	Max. 123 min. with AJ-P123L Max. 63 min. with AJ-P63M
FF/REW Time:	Within 3 min. using AJ-P123L Within 2 min. using AJ-P63M

Video Performance

<Digital In/Analogue Component Out>

Bandwidth:	Y: 25Hz ~ 5.5MHz (± 1 dB), R-Y/B-Y: 25Hz ~ 1.3MHz (± 1 dB)
Signal-to-Noise Ratio:	60dB or more
K Factor:	2% or less

<Analogue Component In/Component Out>

Bandwidth:	Y: 25Hz ~ 5.5MHz (+1.0/-1.5dB), R-Y/B-Y: 25Hz ~ 1.3MHz (+1.0/-2.0dB)
Signal-to-Noise Ratio:	55dB or more (typical)
K Factor:	2% or less

<Analogue Composite In/Composite Out>

Bandwidth:	Y: 25Hz ~ 5.5MHz (+1.0/-3dB)
Y/C Delay:	20nsec or less
K Factor:	3% or less

Audio Performance

Frequency Response:	20Hz ~ 20kHz (+0.5/-1.0dB)
Crosstalk:	Less than -80dB (1kHz between any 2-CH)
Wow & Flutter:	Below measurable limit
Headroom:	18dB

Processor Adjustment Range

Video Gain:	± 3 dB*
Chroma Gain:	± 3 dB*
Chroma Phase:	$\pm 30^\circ$ *
Black Level:	± 100 mV*
Sync Phase:	± 2 μ sec.
SC Phase:	$\pm 180^\circ$

Video Input/Output Signal

Analogue Component In:	BNC x 3 (Y, Pb, Pr), Y: 1.0Vp-p, 75 Ω , Pb/Pr: 0.7Vp-p, 75 Ω (100% Colour Bar)
Analogue Y/C In:	S-Video (4-pin) x 1, Y: 1.0Vp-p, 75 Ω , C: 0.3Vp-p, 75 Ω (Burst)
Analogue Composite In:	BNC x 2 loop-through with 75 Ω On/Off
Reference In:	Analogue Composite, BNC x 2 loop-through with 75 Ω On/Off
Serial Digital Component In:	BNC x 2 Active throughout, EBU Tech.3267-E (option)
Analogue Component Out:	BNC x 3 (Y, Pb, Pr), Y: 1.0Vp-p, 75 Ω , Pb/Pr: 0.7Vp-p, 75 Ω (100% Colour Bar)
Analogue Y/C Out:	S-Video (4-pin) x 1, Y: 1.0Vp-p, 75 Ω , C: 0.3Vp-p, 75 Ω (Burst)
Analogue Composite Out:	BNC x 3, 1.0Vp-p, 75 Ω , VIDEO1, VIDEO2, VIDEO3 (Super-impose On/Off)
Serial Digital Component Out:	BNC x 3, EBU Tech.3267-E (option)

Audio Input/Output Signal

Analogue In (CH1, CH2):	XLR x 2, 600 Ω /High-impedance, +4/0/-20/-60dBu
Digital In (CH1, CH2/option):	BNC x 1, AES/EBU format (option)
SDI Interface In (option):	BNC x 2 Active throughout, 75 Ω (Video and Audio), EBU Tech.3267-E
Analogue Out (CH1, CH2):	XLR x 2, Low-impedance, +4/0/-20dBu
Digital Out (CH1, CH2/option):	BNC x 1, AES/EBU format, 75 Ω /1.0Vp-p
SDI Interface Out (option):	BNC x 3 (Video and Audio), 75 Ω , EBU Tech.3267-E
Monitor Out:	RCA x 1, 600 Ω , -8dBV
Headphone Out:	Variable Level Control, M6, 8 Ω

Others

Time Code Input:	BNC x 1, 0.5 to 8.0Vp-p, high impedance
Time Code Output:	BNC x 1, 2.0Vp-p, low impedance
Remote In:	D-sub 9-pin, RS-422A interface
RS-232C:	D-sub 25-pin, RS-232C interface
Encoder Remote In:	D-sub 15-pin

*only with external encoder remote controller