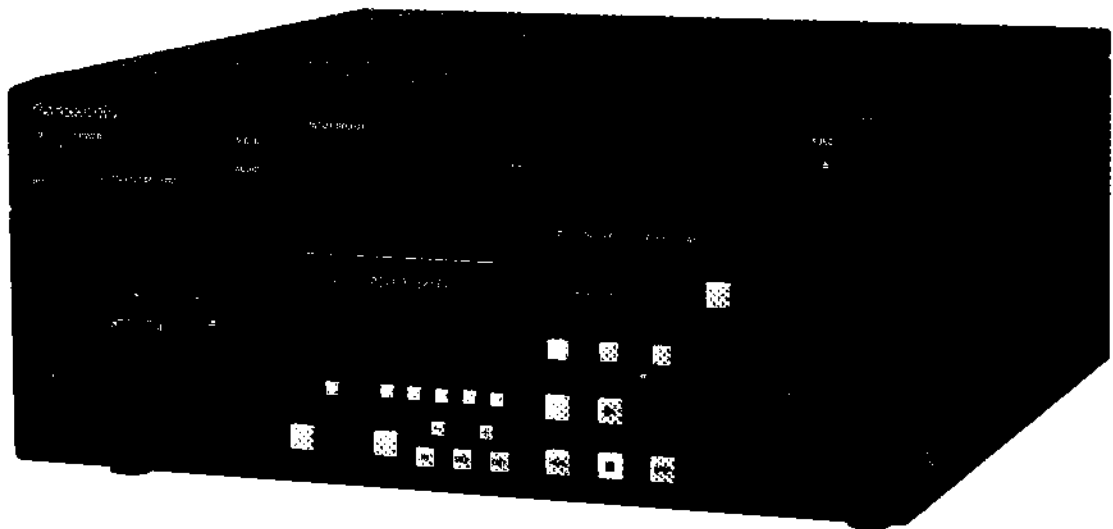


AJ-D750 DVCPRO Studio VTR

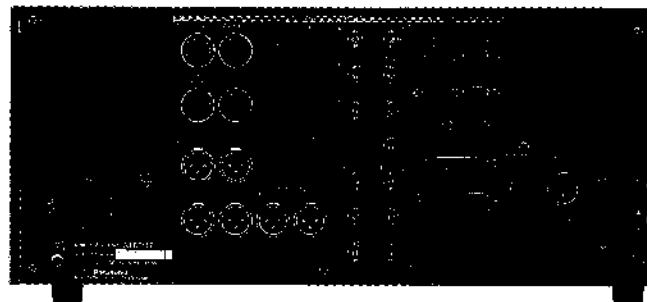


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- Component digital VTR using 1/4" cassette
- Maximum recording on one compact 1/4" cassette: 123-min. with AJ-P123L
- Playback of DV-format recordings, using the optional AJ-CS750 cassette adaptor
- Compact 4 rack unit size 19" rack-mount capability
- Optional serial digital input/output EBU Tech.3267-E (embedded audio)

- Video Y bandwidth of 5.75-MHz and video S/N ratio of 60dB
- 2 PCM audio channels with 48-kHz sampling and 1 analogue cue channel
- Digital slow-motion playback (0 to $\pm 1/2 \times$ normal speed)
- Maximum about 60 \times normal speed search
- Maximum 100 \times normal speed FF and REW
- RS-422A 9-pin serial and RS-232C interface
- Built-in time code generator/reader (VITC/LTC)
- Machine-to-machine editing with extended system interface capability
 - Serial Digital Component Video in/out (with optional AJ-YA750), digital audio in/out, analogue in/out, RS-422A (9-pin) remote, RS-232C (25-pin) terminals, etc.
- Jog and Shuttle dial
- Encoder (TBC) control and remote
- Channel condition indication on the front panel
- On-screen set-up display
- Tiltable Operation Panel
- Light-weight: 18 kg
- Low power consumption: 165W



Rear Panel with AJ-YA750, Serial Digital Component Interface Board.

Optional Accessories for AJ-D750

AJ-YA750 Component Serial Digital Interface Board	AJ-CS750 Mini-DV Cassette Adaptor	AU-ER65B Encoder Remote Controller	AJ-MA75 Rack-Mount Adaptor (slide-rail, not included)	AU-C5/AU-C1 RS-422A (9-pin) Remote Cable (5 m/16 ft)
AU-A960 Multi-Event Editing Controller	AG-A850 Multi-Event Editing Controller	AG-A350 Editing Controller		

AJ-D750

General

Power Requirement:	220V ~ 240V AC \pm 10%, 50/60Hz
Power Consumption:	165W
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 (\pm 0.5dB) 5.75MHz (\sim 2dB) R-Y/B-Y: 25Hz ~ 1.3MHz (\pm 1dB) 1.5MHz (\sim 5dB)
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Signal-to-Noise Ratio:	60dB or more
K Factor:	Less than 1%

<Analogue Component In/Component Out>

Bandwidth:	Y: 25Hz ~ 5.5MHz (\pm 1dB) 5.75MHz (\sim 3dB) R-Y/B-Y: 25Hz ~ 1.3MHz (\pm 1dB) 1.5MHz (\sim 6dB)
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Signal-to-Noise Ratio:	55dB or more
K Factor:	Less than 1%

<Analogue Composite In/Composite Out>

Bandwidth:	Y: 25Hz ~ 5.5MHz (\pm 1dB) Typ.
Y/C Delay:	20nsec or less
K Factor:	Less than 2.5%

Audio Performance

Frequency Response:	20Hz to 20kHz \pm 1dB
Crossstalk:	Less than $-$ 80dB (at 1kHz, between any 2-CH)
Distortion:	Less than 0.05% (at 1kHz, emphasis off, A-weighted)
Dynamic Range:	More than 90dB (at 1kHz, emphasis off, A.WTD)
Wow & Flutter:	Below measurable limit
Headroom:	18dB
Emphasis:	T1=50 μ sec/T2=15 μ sec (On/Off selectable)

Cue

Frequency Response:	300Hz to 6kHz \pm 3dB
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Processor Adjustment Range (Video Out)

Composite Video In:	\pm 3dB
Video Gain:	\pm 3dB
Chroma Gain:	\pm 3dB
Chroma Phase:	\pm 30°
Black Level:	\pm 100mV
Sync Phase:	\pm 6 μ sec.
SC Phase:	\pm 180°
Y/C Delay:	\pm 300nsec.

Video Input/Output Signal

Analogue Component In:	BNC x 3 (Y, P _s , P _a), Y: 1.0Vp-p, 75 Ω , R-Y/B-Y: 0.7Vp-p, 75 Ω (100% Colour Bar)
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 (Option):	BNC x 2 Active throughout. EBU Tech.3267-E (Option)
Analogue Component Out:	BNC x 3 (Y, P _s , P _a), Y: 1.0Vp-p, 75 Ω , R-Y/B-Y: 0.7Vp-p, 75 Ω (100% Colour Bar)
Analogue Composite:	BNC x 3 VIDEO1, VIDEO2, VIDEO3 (Super-impose On/Off)
Serial Digital Component Out (Option):	BNC x 3, EBU Tech.3267-E (Option)

Audio Input/Output Signal

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

Others

Cue Input Signal:	XLR x 1, 600 Ω /High-impedance switchable, +4/0/ $-$ 20/ $-$ 60dBu
Cue Output Signal:	XLR x 1, Low-impedance, +4/0/ $-$ 20dBu
Time Code Input:	XLR x 1, 0.5 to 8Vp-p
Time Code Output:	XLR x 1, 2.0Vp-p
Remote In:	D-sub 9-pin, RS-422A interface
Remote Out:	D-sub 9-pin, RS-422A interface
RS-232C Out:	D-sub 25-pin, RS-232C interface
Encoder Remote Out:	D-sub 15-pin
Parallel I/O Out:	D-sub 25-pin