

Panasonic

AJ-D250
DVCPRO Desktop Editing VTR
(PAL: 625)



DVCPRO *PV* series

Compact, High Quality DVCPRO VTR Ideal for Nonlinear and RS-232 Linear Editing

Emmy Award-winning DVCPRO is the most rapidly adopted professional video format in history.

The AJ-D250 Desktop Editor is its newest member.

The AJ-D250 delivers insert and assemble editing through its RS-232C interface. Its optional IEEE 1394 interface provides for easy transfer of digital video and audio for nonlinear editing. The carryable unit combines a half rack size and light weight — only 6.5kg. The affordable AJ-D250 is perfect for business, education, event videography, law enforcement and other professional uses.

Easy Editing

Connecting the AJ-D250 to an AJ-A250 controller through the RS-232C interface allows you to perform audio and video insert and assemble editing*. Preview function with AJ-A250 is also possible.

* With ± 3 -frame precision.

184-Minute Recording and Playback

The AJ-D250 provides up to 184 minutes of continuous recording and playback on an AJ-5P92LP extended-play tape cassette. This allows you to record extended programming on a single tape — a big convenience in production and transmission. For use in the field, the AJ-D250 also records on DVCPRO M cassettes without the need for an adaptor.

Playback of DV-Format Recordings

The AJ-D250 makes DVCPRO recordings on durable metal-particle tape. The AJ-D250 can play back large-format DV cassettes, and mini-DV cassettes with

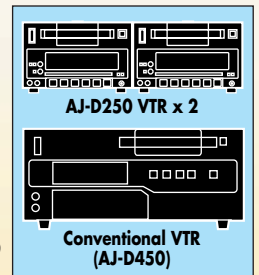
optional adaptor.* The AJ-D250 combines with a DV camera/recorder to form a highly-affordable, easy-to-use system.

* The AJ-D250 cannot record on a Mini-DV cassette even with an adaptor, or play back Mini-DV cassettes recorded in LP mode.

Compact and Carryable, with Low Power Consumption

Only 214(W) x 132(H) x 391(D) mm, the compact AJ-D250 fits easily on a desktop, and you can mount two units side by side in a standard 19" rack. A handle makes the AJ-D250 easy to carry with one hand.

These size and weight advantages combine with low power consumption (56W) to make the AJ-D250 ideal as a backup recorder.



DVCPRO PV series

Outstanding Picture and Sound Quality

The AJ-D250's digital component recording system assures superior picture quality. It also offers sound quality that surpasses CDs, thanks to two 16-bit digital audio channels with 48-kHz sampling. A linear audio cue track provides a third audio channel for audio in the high-speed search and frame-to-frame advance modes.

Built-in Time Code Generator/Reader

The AJ-D250 has a built-in EBU time code generator and reader. Time code is recorded onto the sub-code area of each track, enabling to-the-frame precision and time code detection during searches. Precise indexing control is possible using a PC.

Optional AJ-A250 Controller

The AJ-A250 controller connects to the AJ-D250's RS-232C interface board and provides simple, intuitive "mark-in" and "mark-out" remote control. It also adds extra convenience with insert and assemble editing and jog-shuttle searches, and allows connection to a wide variety of S-VHS VTRs such as the Panasonic AG-5700, and DVCPRO desktop VTR AJ-D230H.

DVCPRO Terminal (IEEE1394) Interface (Optional)

The optional AJ-YAD250 board provides a DVCPRO interface for the AJ-D250, letting you digitally transfer video and audio signals that conform to IEEE1394 while maintaining the high precision and reliability needed in professional applications. For example, use the board to digitally dub between AJ-D250 and AJ-D250/D230H or back-up between the AJ-D250 and an AJ-D215H. The AJ-YAD250 is also equipped with a 9-pin RS-232C interface terminal.

Optional 9-pin AJ-YA250 RS-422 Interface

Installing this optional 9-pin remote interface board allows remote control of basic operations using a controller such as the Panasonic AJ-A95.

When using RS-422 control, AJ-D250 serves only as source machine.

Analogue Interface

The analogue interface comes equipped with composite video input and output and 2-channel audio input and output, for easy connection with existing analogue equipment. Also equipped with S-VIDEO input and output, the AJ-D250 provides superior dubbing quality with S-VHS or MII VTRs.

On-Screen Setup Display

A number of initial settings can be changed with on-screen ease and convenience. The display indicates a host of functions and is easy to read thanks to a simple, straightforward layout.

Additional Features

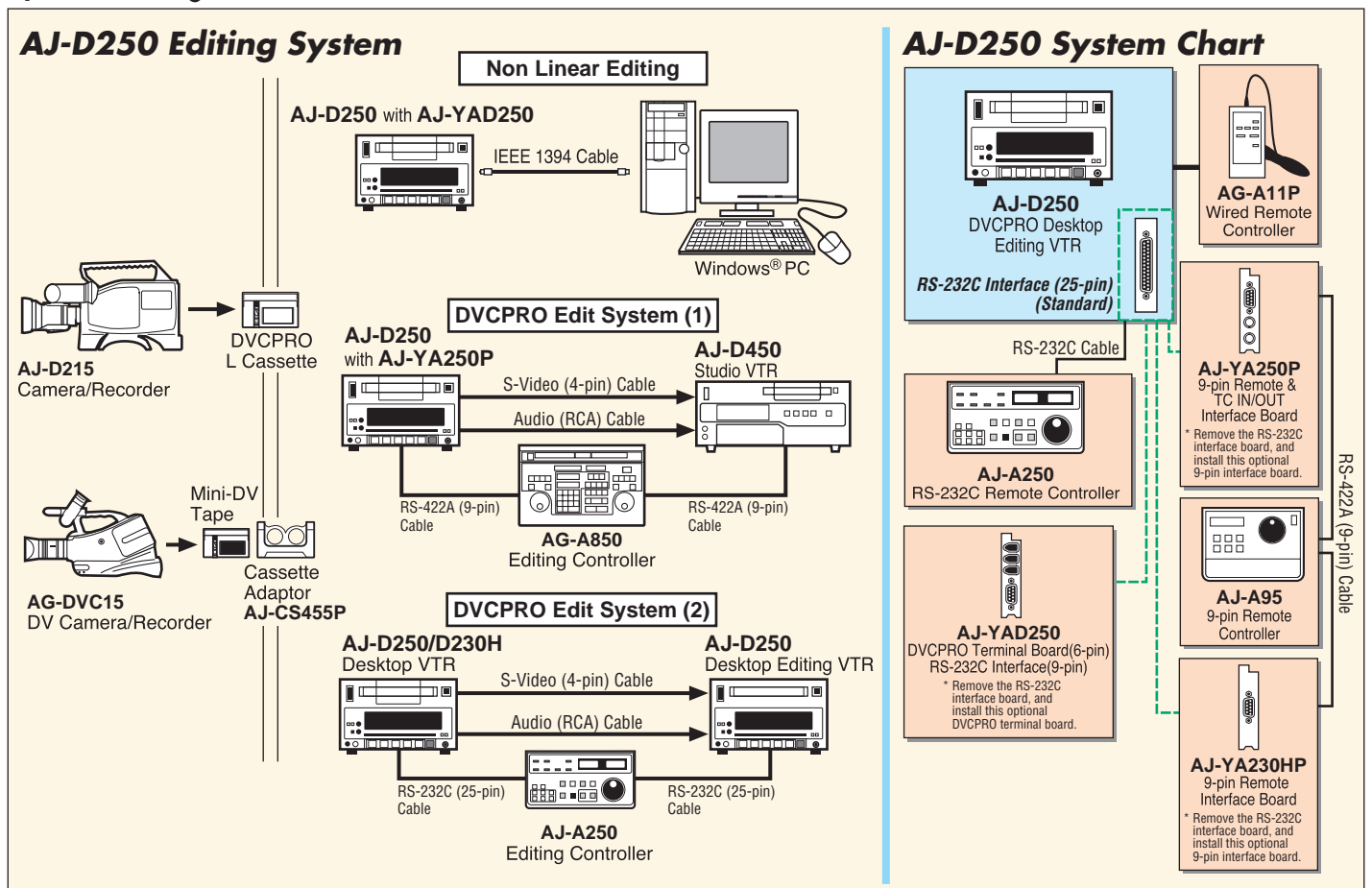
- Forward/Reverse Search at 10x normal speed (approx.)
- Input and output TBC
- Encoding on set-up menu
- Independent adjustment of audio input levels (CH1/CH2)
- 4-position audio output selector: CH1/CH2/CH3-4 (for DV cassette playback)
- Wired remote control (AG-A11P, optional)



AJ-YAD250 DVCPRO Terminal (IEEE1394) Interface Board

AJ-D250 Rear Panel

System Configuration



OPTIONAL ACCESSORIES



AJ-A250 Editing Controller

- 25-pin (RS-232C) serial remote for variable editing
- Compact size
- Simple and easy operation
- Insert/assemble editing capability
- The large Jog/Shuttle dial on the control panel allows easy playback speed control
- AC adaptor (supplied)



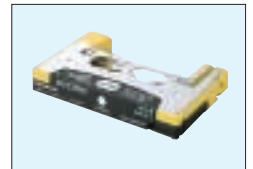
AJ-A95
9-pin Remote Controller



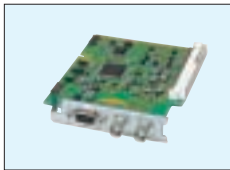
AG-A11P
Wired Remote Controller Unit



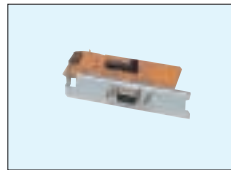
DVCPRO L-size Cassettes		DVCPRO M-size Cassettes	
Model No.	R/P Time	Model No.	R/P Time
AJ-5P92LP	184 min.	AJ-P66MP	66 min.
AJ-P126LP	126 min.	AJ-P46MP	46 min.
AJ-P94LP	94 min.	AJ-P33MP	33 min.
AJ-P66LP	66 min.	AJ-P24MP	24 min.
AJ-P34LP	34 min.	AJ-P12MP	12 min.
AJ-CL12LP	Cleaning Tape	AJ-CL12MP	Cleaning Tape



AJ-CS455P
Mini-DV Cassette Adaptor



AJ-YA250P
9-pin Remote & TC IN/OUT Interface Board



AJ-YA230HP
9-pin Remote Control Board



AJ-YAD250
DVCPRO Terminal (IEEE1394) Interface Board

SPECIFICATIONS

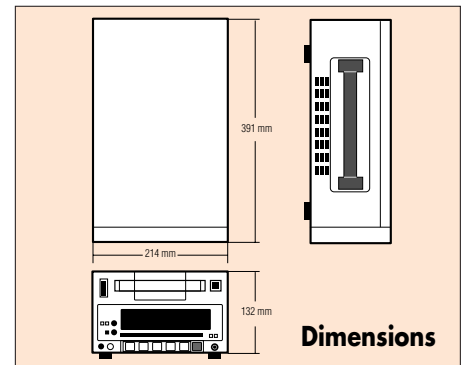
AJ-D250 Desktop Editing VTR

GENERAL	
Power Requirement:	AC220V, 240V 50/60Hz
Power Consumption:	56W
Format:	DVCPRO
Recording Track:	1/4" Digital compressed recording
	Digital Video
	Digital Audio: 2CH
	TC: REC in Sub-Code area
	Cue: 1 Track
	CTL: 1 Track
Tape Speed:	33.854 mm/s
Tape:	1/4-inch Metal Particle Tape
Cassette Size:	AJ-5P92LP: 125 x 78 x 14.6 mm
	AJ-P66MP: 97.5 x 64.5 x 14.6 mm
Recording Time:	AJ-5P92LP: 184 minutes
	AJ-P66MP: 66 minutes
FF/REW Time:	Within 5 min. using AJ-5P92LP
Operating Temperature:	5°C to 40°C
Operating Humidity:	Less than 80%
Weight:	6.5 kg
Dimensions (W x H x D):	214 x 132 x 391 mm
Video	
Sampling Frequency:	Y: 13.5 MHz, C (Pb/Pb): 3.375 MHz
Quantization:	8 bits/sample
Error Correction:	Reed-Solomon Code
Bandwidth:	Y: 25 to 5.5 MHz (0 ±2dB)
Y/C Delay:	Less than 20 ns
K Factor:	Less than 2%
Audio	
Sampling Frequency:	48kHz
Quantization:	16 bits/sample

(Digital Audio)	
Frequency Response:	20Hz to 20kHz (+1.0, -2.0dB)
Crosstalk:	Less than -80dB (at 1kHz, between 2 channels)
Dynamic Range:	More than 85dB (at 1kHz, "A" WTD)
Signal Inputs	
Video In:	BNC x 1, 1.0Vp-p, 75Ω
S-VIDEO In:	4-pin x 1 Y: 1.0Vp-p, C: 0.3Vp-p (Burst Level), 75Ω
Ref Video In:	BNC x 1, 1.0Vp-p, 75Ω
Audio In (CH1/CH2):	RCA x 2, -8dBv 47kΩ
DVCPRO Terminal I/O:	6-pin Jack x 3 (IEEE1394-based) with AJ-YAD250 (option)
Signal Outputs	
Video Out (Composite):	BNC x 1, 1.0Vp-p, 75Ω
S-VIDEO Out:	4-pin x 1 Y: 1.0Vp-p, C: 0.3Vp-p (Burst Level), 75Ω
Monitor Out:	BNC x 1, 1.0Vp-p, 75Ω
Audio Out (CH1/CH2):	Audio 1: RCA x 2, -8dBv 1kΩ (Switchable to CH3, CH4 output, with DV tape playback)
Headphones:	M3 stereo, variable level (MAX. more than -32dBv, 8Ω)
DVCPRO Terminal I/O:	6-pin Jack x 3 (IEEE1394-based) with AJ-YAD250 (option)
Others	
TC I/O:	BNC x 2 with AJ-YA250P (option)
RS-232C:	RS-232C interface (25-pin)
RS-232C:	RS-232C interface (9-pin) with AJ-YAD250 (option)
Wired Remote:	for AG-A11P optional wired remote controller
9-pin Remote:	I/F Board (option) with AJ-YA230HP (option), AJ-YA250P (option)
Standard Accessory:	AC power code x 2

AJ-A250 Editing Controller

Power Consumption:	6V, 135mA
AC Adaptor:	AJ-A250E: AC 230V 50Hz, 6V, 300mA AJ-A250B: AC 230 ~ 240V 50Hz, 6.5V, 300mA
Operating Temperature:	5°C to 40°C
Operating Humidity:	35% ~ 80%
Weight:	1.1 kg
Dimensions (W x H x D):	250 x 45 x 133 mm
Standard Cable Length:	Approx. 3 m
Connector Type:	25-pin
Standard Accessory:	AC Adaptor



* The specifications given above were measured by playing back tapes recorded by this unit on standard DVCPRO VTRs.

Weight and dimensions shown are approximate. Specifications subject to change without notice. These products may be subject to export regulations.

• Windows is a registered trademark of Microsoft Corporation.

Panasonic

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