

Panasonic

AG-DV2700

Digital Video Cassette Recorder
(PAL)



DV Digital Video Cassette Mini **DV** Digital Video Cassette

Long-Awaited DV-Format VTR with DVCPRO Core Technology

Panasonic, the creator of DVCPRO, is bringing digital quality to more professionals with the new AG-DV2700 — a DV-format VTR that offers easy, single-VTR editing with superior digital picture quality. At the heart of the new AG-DV2700 is the DVCPRO-based DV professional mechanism, which assures a quick response and outstanding reliability. A variety of terminals — including a DV terminal — make it easy to connect with other equipment. A detachable wireless editing controller and a host of editing functions provide comfortable remote control with digital precision, while LP mode offers extended recording and playback.

High Picture/Audio Quality

Superb Pictures, DV Digital Recording Format

The DV format 8-bit digital compression recording system delivers superior picture quality, with more than 500-line horizontal resolution and an S/N ratio of 50 dB. The wide colour frequency reproduces even subtle colour details.

4-Channel PCM Sound Recording

The DV Format 16-bit digital sound system rivals the quality of CDs. Select between PCM audio of 48kHz/16 bits (2 channels) and 32 kHz/12 bits (4 channels).

SP/LP Mode

The AG-DV2700 allows high-density, high-quality DV recording in both SP mode and the extended

(1.5x recording time) LP mode. In LP mode, it's possible to record for up to 3 hours on a single AY-DV123EB cassette.

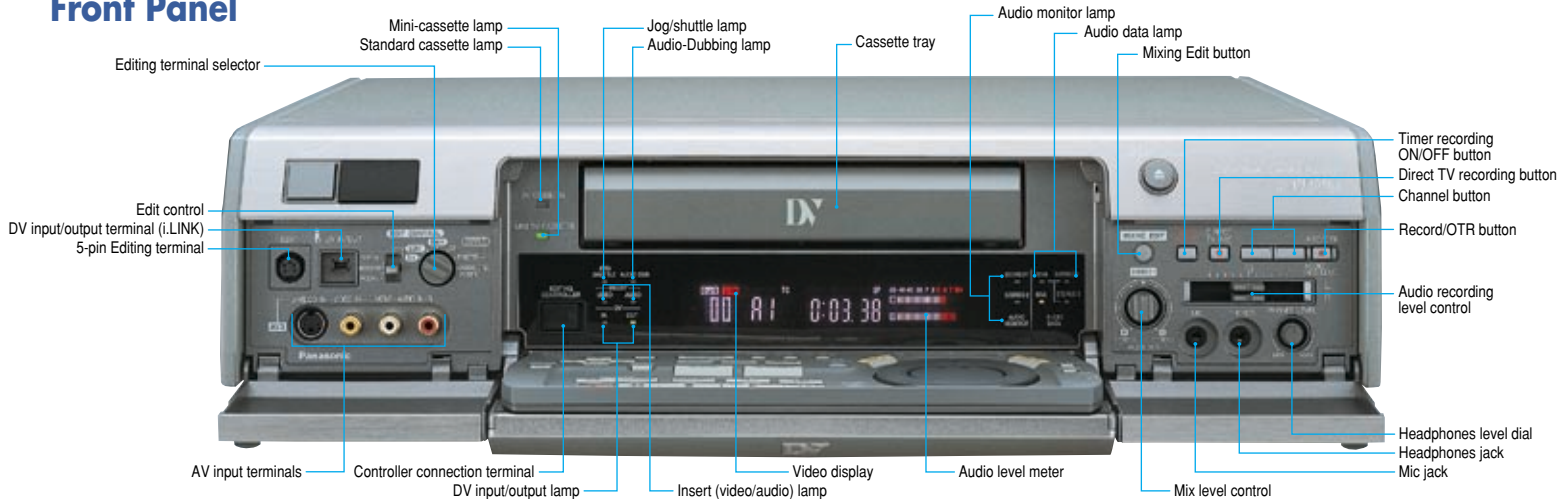
- * Audio-dubbing cannot be done in LP mode.
- * Picture noise may appear during slow playback or frame advance playback, and the tape counter may not advance smoothly.
- * Picture noise may appear when tapes shot in LP mode are played on other VTRs.

Playback with DVCPRO Equipment

The AG-DV2700 uses DV/Mini-DV cassettes that offer high-quality digital video and digital audio recording. DV/Mini-DV cassettes can be played back in DVCPRO VTRs such as the AJ-D850/AJ-D230H allowing DV cassette use as playback on broadcasts application.

- * DV/Mini-DV tapes recorded in LP mode or long play Mini-DV tape (SP mode 80-min./LP mode 120-min.) cannot be played back in a DVCPRO VTR.

Front Panel



Advanced Mechanism

Aluminium Diecast Chassis

The AG-DV2700 was built around the same aluminium diecast chassis used in high-end DVCPRO equipment. This rugged casing protects the high-precision mechanism, assuring better tape travel reliability, head tracking and durability.

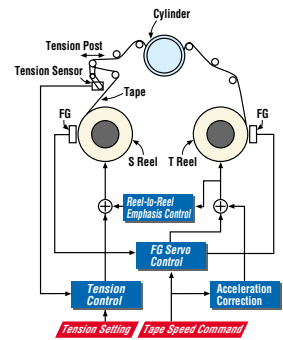
Reel Drive Technology

Advanced reel drive technology provides faster tape travel without damaging the tape. This

system improves control at all travel speeds and provides extra-responsive jog & shuttle operations.

Laser Adjustment Technology

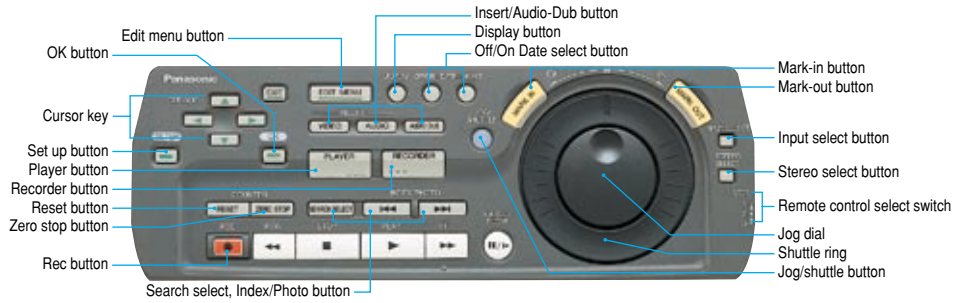
The head height adjustment has been dramatically improved for greater tracking precision. This new technology, which directs a laser beam at the head while the cylinder turns at 9,000 rpm, is about three times as precise as previous systems (Panasonic's figures).



Wireless Editing Controller

Handy Wireless Editing Controller

The infrared editing controller is detachable. Wired editing is possible using the coiled cord (provided), or the controller can be mount on the front cover.



Extensive Editing Functions

Versatile Editing

■ Editing Modes

- Manual Editing

- **Direct editing:** Each machine is controlled directly, with no cable used.
- **One-touch editing:** The AG-DV2700 serves as the recorder and controls the playback unit, designating only the edit start points.
- **System editing:** The AG-DV2700 serves as either the recorder or playback unit, controls the other machine, and sets the edit start points by time code.

- Programmed Editing (Automatic)

The AG-DV2700 serves as either the recorder or playback unit and controls the other machine. Up to 40 sets of edit start points and end points can then be programmed in for automatic editing.

Versatile Audio Editing

- Digital PCM editing
- Audio-Dubbing
- Audio insert
- Mix Edit
- High-quality audio components

System Expandability

System Versatility

The AG-DV2700's many terminals provide extra versatility, allowing connection with a host of other equipment. Also can be edited remotely by the above controller.

■ DV Terminal (i.LINK)

Connect the AG-DV2700 with other DV-format video equipment for digital dubbing with virtually no degradation in picture or sound quality. The DV terminal also allows sophisticated system control.

- * Audio-Dubbing and AV insert editing cannot be done through the DV terminal.
- * To edit using only the DV connection, a Panasonic camera/recorder or VTR is recommended.
- * This operation may not work correctly with some equipment, such as models with DV output only.

■ 5-pin Editing Terminal

When the AG-DV2700 is connected to a camera/recorder by a system cord or AV cable through this terminal, the AG-DV2700 can serve as a controller for precise programmed editing. A similar arrangement is possible with an S-VHS VTR equipped with a 5-pin editing terminal.

■ 8-mm Control Terminal

Connecting to an 8-mm camera/recorder with a LANC cord or AV cord lets the AG-DV2700 serve as the controller for system editing and programmed editing. Or use a DV cable for digital editing and dubbing.

- * Proper operation is not possible with some equipment.
- * Equipment with a LANC terminal cannot be used to control the AG-DV2700.

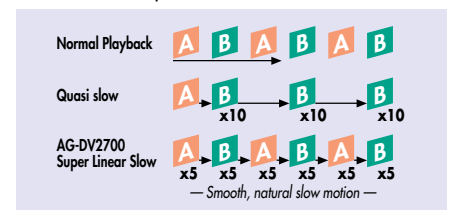
Complete Analogue Input/Output

The AG-DV2700 also has an S-Video and AV line input/output terminals.

Additional Features

Super Linear Slow Playback

The AG-DV2700 provides smooth, natural slow playback. Unlike in the quasi-slow-playback system, where the A and B fields are played back as A→B→B→B, the AG-DV2700 uses the proper A→B→A→B sequence.



- Memory backup
- Rehearsal function
- Programme correction
- Timing control function
- Phase and colour level adjustment
- Pre-roll editing
- Sound search
- On-screen display
- Frame-by-frame Time-code

■ Editing Functions

CONTENT	Connection		Editing Functions							
	Control Code	Connect Code Input/Output	Dubbing	Assemble	Video Insert	Audio Insert	AV Insert	Audio Dubbing	Mix Edit	
Manual Editing	Direct Editing	Unnecessary	DV	●	●	●	●	—	—	—
		DV	Video/Audio	●	●	●	●	●	●	●
	One-Touch Editing	System (5-pin Editing)	DV	●	●	●	●	—	—	—
		LANC	Video/Audio	●	●	●	●	●	●	●
	System Editing	System(5-pin Editing)	DV	●	●	●	●	—	—	—
			Video/Audio	●	●	●	●	●	●	●
LANC		DV	●	●	●	●	—	—	—	
		Video/Audio	●	●	●	●	●	●	●	
Programme Editing	System (5-pin Editing)	DV	●	●	●	●	—	—	—	
		Video/Audio	●	● (40)	● (10)	● (10)	● (10)	● (10)	—	
	LANC	DV	●	● (40)	● (10)	● (10)	—	—	—	
		Video/Audio	●	● (40)	● (10)	● (10)	● (10)	● (10)	—	

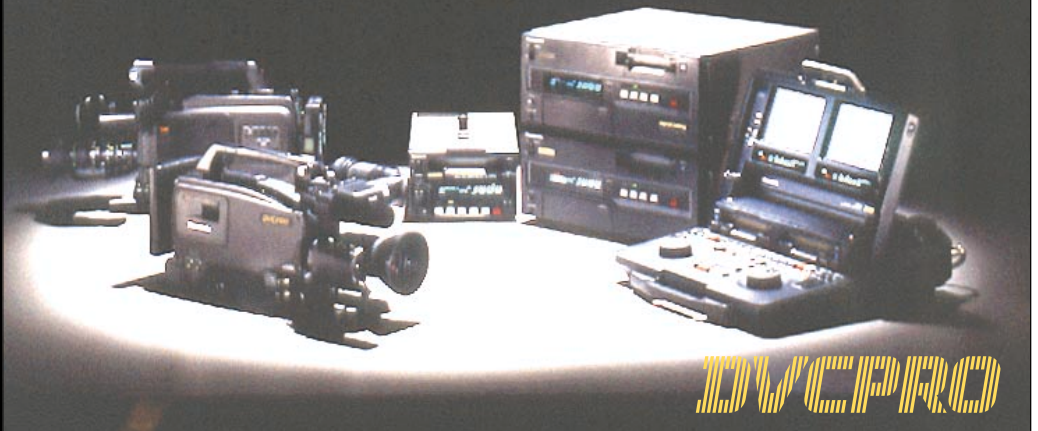
* For best results when editing, use tapes recorded on this VTR.

* To edit video footage that was recorded on a camera/recorder or on another VTR, use this VTR to copy them once onto a separate tape, then use that tape for editing.

* Parentheses () indicate programme numbers.

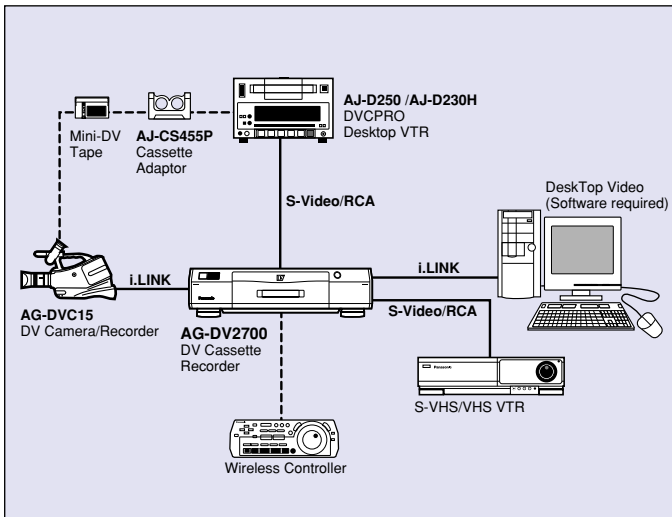
Broadcast Digital Quality for Professional Use

Panasonic's compact, lightweight DVCPRO digital VTRs offer extremely high picture quality. In addition to the broadcast series, which continues to win high acclaim from broadcasters worldwide, the line-up has now been expanded to include a low-cost professional series. DV is compatible with DVCPRO. You can use DV-format equipment and still take advantage of many DVCPRO benefits.



DVCPRO

SYSTEM CHART



OPTIONAL ACCESSORIES

AY-DV123EB
DV Cassette Tape

AJ-CS455P
DVCPRO Cassette
Adaptor (for Mini-DV)

AY-DVM63EB
AY-DVM33EB
Mini-DV Cassette Tape

AY-DVCLB
Cleaning Tape

Remote Control
(Supplied)



Rear

SPECIFICATIONS

GENERAL

Power Source: 220 ~ 240V AC $\pm 10\%$, 50/60Hz $\pm 10\%$
Power Consumption: 36W (Power Off: Approx. 10W)
Operating Temperature: 5°C ~ 40°C
Operating Humidity: 35% ~ 80%
Weight: 7.0 kg
Dimensions (W x H x D): 445 x 123 x 373.5 mm

SYSTEM

Television System: CCIR Standard, PAL Colour Signal;
625 lines, 50 fields
Recording Format: Digital Video SD Format
Video Recording Format: Digital Component
Audio Recording Format: Digital PCM Stereo
16-bit (48kHz/2ch), 12-bit (32kHz/4ch)
Digital Still Picture: Digital Still Picture Output,
Control Signal Input/Output
(Transfer Rate: 115kbps Max.)

TAPE TRANSPORT

Tape Format: DV, Mini-DV
Tape Speed: SP: 18.831 mm/s, LP: 12.568 mm/s
Recording Time 120 min. with AY-DV123EB
(3 hours with AY-DV123EB in LP mode)

FF/REW Time: Approx. 70 sec. with AY-DV123EB
Approx. 50 sec. with AY-DVM63EB

TUNER

Broadcast channels:
 <For ET Area> VHF: E2 ~ E12, UHF: 21 ~ 69CH
 CATV: Hyper S1 ~ S41 (M1 ~ U10) CH
 <For BT Area> UHF: 21 ~ 68CH
G Code: <ET> ShowView, <BT> VIDEOplus+

VIDEO

Line In (RCA x 2)*: 1.0Vp-p, 75 Ω unbalanced
Line Out (RCA x 1): 1.0Vp-p, 75 Ω unbalanced
EURO-AV (21-pin x 2): 1.0Vp-p, 75 Ω unbalanced
S-Video In (4-pin x 2): Y: 1.0Vp-p, 75 Ω , C: 0.286Vp-p, 75 Ω
S-Video Out (4-pin x 1): Y: 1.0Vp-p, 75 Ω , C: 0.286Vp-p, 75 Ω

AUDIO

Line In (RCA x 2)*: -60dBV, In/Out impedance less than 1k Ω
EURO-AV (21-pin x 2): -60dBV, In/Out impedance less than 1k Ω
Mic In (M3): 0.33mV, 600 Ω unbalanced
Line Out (RCA x 1): 309mV, 10k Ω unbalanced
Headphone (M3): 1 ~ 30mV, 8 Ω unbalanced

* Simultaneous input is not possible.

CONNECTORS

Antenna Input: UHF/VHF 75 Ω Unified Coaxial
Antenna Terminal
RF Output: PAL DIN
DV Input/Output: i.LINK (IEEE 1394/1995)
System: 5-pin Editing terminal
8mm Control: LANC Compatible

STANDARD ACCESSORIES

Power Cord, S-Video Cable, AV Cable,
Controller Cable, System Cord, DV Cable, Remote Control,
Cleaning Tape, Power Supply Adaptor (for ET only),
RF coaxial cable, 21-pin - RCA Transformer Adaptor x 2,
Battery for Remote Control

Warning:

Weight and dimensions shown are approximate.
Specifications subject to change without notice.

Unauthorized recording of copyrighted television programs, films, video tapes and other materials may infringe upon the rights of copyright owners and be contrary to copyright laws. This product may be subject to export control regulations.

Panasonic

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 Canada Tel. 1-905-624-5010
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 Czech Republic Tel. 42-02-2166-4120
 Denmark Tel. 45-43-200-853
 Egypt Tel. 20-2-3938151
 Finland Tel. 358-9-521-5253
 France Tel. 33-1-49464388
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 Greece Tel. 30-1-969-2300

Hungary Tel. 36-1-382-6060
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SP-DV2700E6



5K203FF-6 Printed in Japan