

JVC VideoMovie

GR-C1

VHS
PAL



All together

Let us invite you to step with confidence into the world of live video recording. No experience necessary! VideoMovie is the camera/recorder combination anyone can use, anytime, and anyplace. And thanks to JVC's engineering genius, it's . . . All Together Now!



**You, the Director.
Your television, the Silver Screen.**

hot now!

This is JVC's one-piece live recording miracle. Drop in a compact cassette. Shoot just like you would with a home movie camera. There's no cable to tangle with. Then connect directly to your television for the picture-perfect results. Nothing could be simpler.



GR-C1

VideoMovie

VHS
PAL

Function buttons

4-Digit tape counter

SHUTTLE SEARCH buttons

Cassette holder

Remote control jack

Earphone jack



Lens grip

Power zoom buttons

Rec. start/stop switch

Tracking control

Accessory shoe

Viewfinder release button

Exclusive microphone

Iris lock button

Macro button

6:1 zoom lens



A/V output connector

DC input terminal

Electronic viewfinder

Iris control

Sensitivity switch

White balance mode select switch

White balance adjustment button

Filter switch

Power button

Technology Refined for the Smallest, Lightest Video System Yet



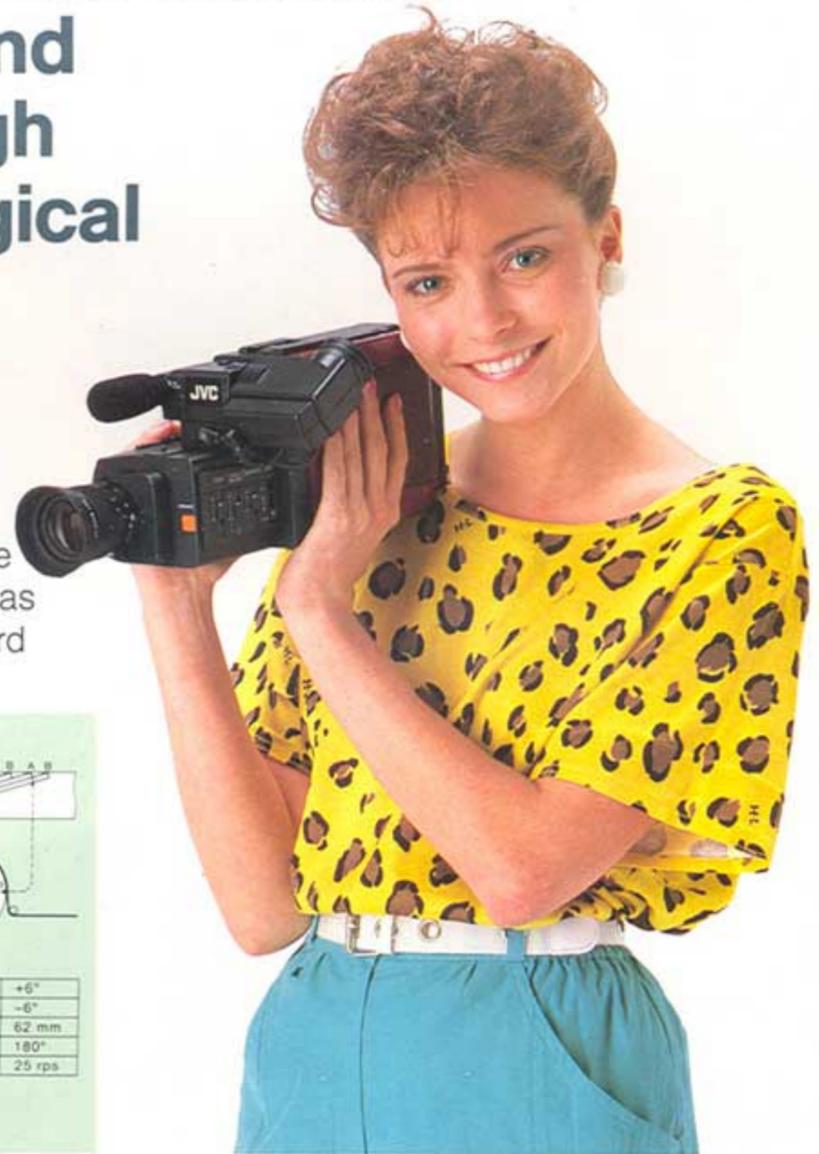
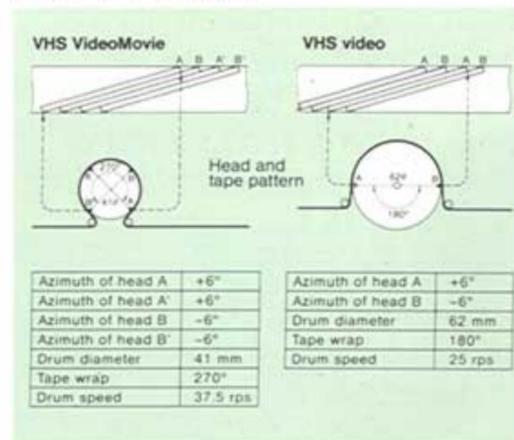
Simulated TV picture

VideoMovie is a complete live video recording and playback system contained in a single unit weighing only 1.9 kg. The one-piece concept and the dramatic breakthrough in both size and weight were realised through several important technological advancements.

New Head Drum and Loading System

The head drum cylinder, the largest single component of a video recorder, has been reduced by 1/3 in diameter for use in the VHS VideoMovie. To maintain a signal recording pattern consistent with standard VHS specifications, a new parallel loading system was developed for use with the smaller head drum. In the new system, the tape is loaded around 270° of the drum, which rotates 50 %

faster, and four video heads are used to produce tracks of the same length as those recorded by standard VHS recorders.



Half-inch Saticon* Pickup Tube

The half-inch pickup tube with reverse filter for higher resolution used in JVC's VideoMovie is the direct descendant of the one-inch Saticons commonly used in three-tube broadcast cameras. It is this tube that makes high performance possible in a highly compact camera.

*Registered trademark.

Half-inch Electronic Viewfinder

VideoMovie's compact viewfinder uses a fully electronic 1/2-inch CRT. Despite this reduction in size, a comprehensive system of warning indicators is included. To improve viewability, the viewfinder is mounted with a special lens that magnifies the black-and-white screen image.

New Lightweight 6:1 Power Zoom Lens

To provide VideoMovie with the same 6:1 power zoom capability found on full-size cameras, a newly-developed compact optical system is used. It incorporates a bright f/1.2 lens in a barrel made of reinforced polycarbonate plastic to substantially reduce its weight.



Live Video Recording has Never been Easier!

VideoMovie was created to provide utterly complete live video capability in a supremely compact design.

No other camera or recorder makes life with video such a pure and simple pleasure.



High-Sensitivity Low-Lag Pickup System

Technology borrowed from broadcast cameras allows VideoMovie to be used effectively under a wide variety of shooting conditions. In lighting as low as 15 lux — about what you'd find in a quiet continental restaurant — the sensitive Saticon pickup tube and supporting technology, including a bias light, Automatic Beam Control, and low-noise FETs, record normal images with clear, natural colour.

6:1 Power Zoom Lens with Macro Setting

A 6-to-1 wide-angle/telephoto range is provided, along with a macro setting for screen-filling close-ups of objects as small as a postage stamp. The zoom buttons are strategically placed for light, natural fingertip control.

Compact Electronic Viewfinder

Only fully electronic viewfinding allows you to judge the precise focus, exposure and composition of each shot. To help you get the best possible results, VideoMovie's supremely compact EVF nevertheless incorporates a comprehensive warning system which includes an exposure meter, low battery warning, tape-end alarm and five other indicators. The eyepiece can be rotated 180° to accommodate different shooting angles.

The viewfinder permits instant playback of newly-recorded tapes for on-the-spot checks even when you're nowhere near a television.

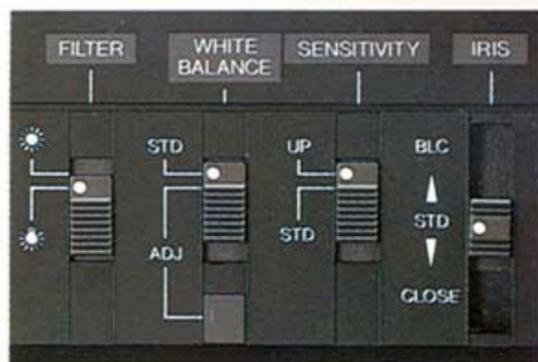


Comprehensive Colour Temperature Adjustment

VideoMovie employs a combination of a filter and electronic circuitry to accommodate lighting of different colour temperatures. Once proper white balance is achieved, whether by filter switching or automatic adjustment, VideoMovie will accurately reproduce the full colour spectrum indoors and outdoors, in direct sunlight and under incandescent or fluorescent lamps.

Automatic Iris Control

When set to the STD position, VideoMovie's iris control system automatically adjusts the lens opening for optimum exposure; you just focus and shoot. Iris setting can be manually adjusted for backlight compensation, or fixed at a constant setting when ambient light prevents correct automatic adjustment.



Automatic Backspace Editing

VideoMovie rewinds a short section of tape each time recording is stopped to allow accurate alignment with the section recorded next. This backspace editing process minimises distortion at edit points to produce smooth assembled recordings. An automatic recording standby lock allows power to be cut during pauses between takes without sacrificing backspace editing quality.

Automatic Quick Review

For instant confirmation that a scene has been recorded, the last second is played back (in reverse) on the viewfinder screen immediately after recording is stopped.

Audio

A high-sensitivity unidirectional condenser microphone is provided for exclusive use with VideoMovie along with an ear-phone jack for audio monitoring.

Character Generator Connection

VideoMovie can be connected to an optional character generator for superimposition of titles, dates, and lap times on any recorded scene. The character generator incorporates a 14-page memory and can create titles in four character sizes with scrolling and zoom effects.

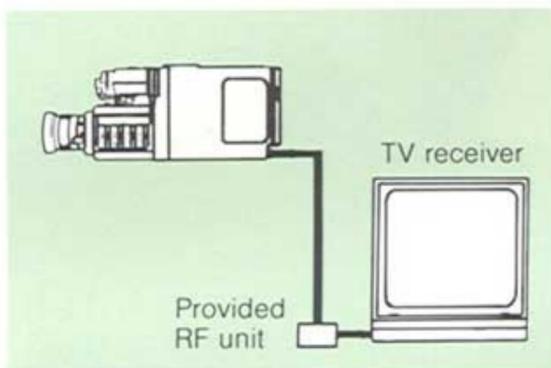


Uncompromised VHS Performance

The compact VideoMovie delivers the same highly-acclaimed VHS picture quality as a full-size camera and recorder. The difference in cassette size is purely a matter of convenience; VideoMovie is just smaller, lighter and easier to use.

Direct TV Connection

VideoMovie includes circuitry for playback of the cassettes it records; no additional recorder, player or adapter is required. Unlike other integrated camera/recorder systems, VideoMovie can be connected, via a tiny RF unit (provided), to any regular or portable TV model for playback. Now you can enjoy your recordings in a hotel, at a friend's house, or wherever you may find yourself during your travels.



Instant Playback

Even when you're miles away from a TV, you can still view your compact cassettes using VideoMovie's electronic viewfinder.

Shuttle Search

For quick accurate access to any part of a tape, the picture can be viewed (on a connected television set or the viewfinder screen) at three times normal speed in forward or reverse. When the PAUSE button is pressed during playback, a stop-motion picture remains on the screen.



Independent Camera and Recorder Functions

For direct live recording onto full-size cassettes, VideoMovie can be used just like an ordinary video camera with any full-size video recorder. In addition, its playback facility allows VideoMovie to be used as a master player for editing or tape-to-tape transfer.

3-Way Power Supply Flexibility

Compact rechargeable Ni-Cad battery packs are VideoMovie's standard power source; they slide on and off the unit with a single smooth action. To take advantage of other power sources, an AC power adapter and a car battery cord are also available.





VHS Compatibility

Because VideoMovie uses the standard VHS tape pattern and signal processing system, its recordings are compatible with all VHS equipment. Compact video cassettes can be played on full-size recorders using a special cartridge which holds the compact cassette in a standard-size cassette shell. Installing the compact cassette in the cartridge takes only seconds; once installed, it can be played back (or recorded) just like a regular cassette on any VHS recorder.

Simulated TV picture

Compact Video Cassettes

VideoMovie uses VHS-C compact cassettes which are roughly one-third the size of standard VHS cassettes, as small as a deck of cards. Each cassette holds enough half-inch video tape for 30 minutes of recording. Storage and handling are exceptionally convenient.



Convenient Package Offer

VideoMovie comes packed in a hard case with all the essentials for recording and playback: RF unit, aerial cable, dubbing cable, carrying handle, shoulder frame, cassette tape, battery pack and battery charger. No other purchase is required; the whole system travels as one tidy unit.



NB-P5U

Rechargeable Battery Pack
Slides on the rear of VideoMovie and provides power for about 30 minutes of continuous recording.

BB-P1EK/EG/EA Battery Charger
Charges both sizes of VideoMovie's battery packs and, as a multi-voltage unit, is adaptable to almost any standard AC power line voltage in the world. Charging time is about 1 hour per battery.



EK: For the United Kingdom
EG: For Continental Europe
EA: For Australia

RF-P1E/EA RF Unit

Compact, palm-size RF converter permits VideoMovie to be connected to virtually any TV set for playback. The system select switch provided on RF-P1E adapts the output RF signal so that playback is possible with a television of either the Continental PAL G system or the British PAL I system.

E: For Europe
EA: For Australia



CB-P1U Carrying Case

Acceptable as carry-on baggage on international flights and fits perfectly under airliner seats. In addition to those accessories offered as a package, this protective case also accommodates the optionally available remote control unit and A/V extension cable.



Dubbing Cable

Connects VideoMovie to a video recorder for tape-to-tape transfer or camera recording onto full-size cassettes.

SF-P1U Shoulder Frame

For added comfort and convenience, doubles as a carrying strap and a soft brace for shoulder-mounted camerawork.



Carrying Handle

The carrying handle attaches directly to VideoMovie's upper panel to facilitate carrying.

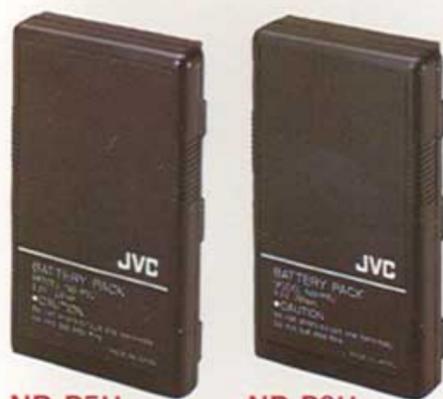


EC-30

Compact Video Cassette
Contains special Super High Grade video tape for 30 minutes of recording.



Optional Accessories to Complete the System



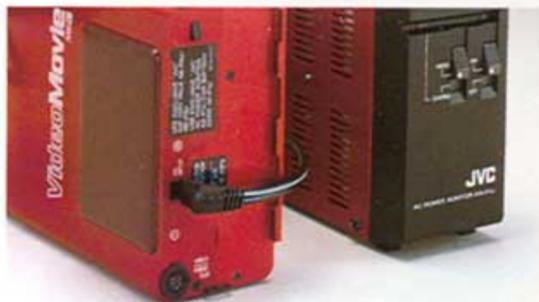
NB-P5U

NB-P6U

NB-P5U/NB-P6U

Choice of Battery Packs

Rechargeable Ni-Cad battery packs are available in two sizes for VideoMovie. A fully charged NB-P5U provides approximately 30 minutes of continuous recording; the NB-P6U, about 45 minutes.



AA-P1EK/EG/EA

AC Power Adapter

Connects VideoMovie to a standard AC outlet to conserve battery power. Also doubles as a battery charger. A multi-voltage unit adaptable to almost any standard AC power line voltage in the world.

EK: For the United Kingdom
EG: For Continental Europe
EA: For Australia



AP-P1E Car Battery Cord

Powers VideoMovie using a car battery via the cigarette lighter socket.



RM-P1U

Pause Remote Control

Attached to VideoMovie, starts and stops recording up to 5 m away.



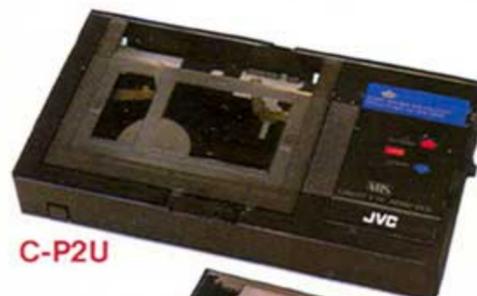
VC-P2U A/V Extension Cable
Facilitates optimum placement of video components, extending the provided dubbing cable or RF unit's cord.



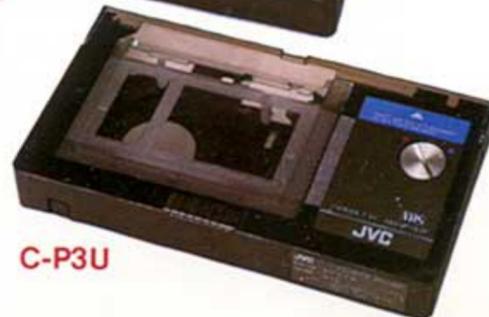
C-P2U/C-P3U

VHS Cassette Adapter

Recordings made with VideoMovie are fully compatible with all VHS equipment. An ingenious cartridge holds a compact cassette in a full-size cassette shell for playback or recording on any standard VHS recorder. Available in a lever-type (C-P2U) or motorised version (C-P3U).



C-P2U



C-P3U

MZ-230

Super-directional Microphone
Switchable sensitivity: HIGH for approximately 4 times the sensitivity of conventional super-directional mikes, and LOW for normal use.



CG-P50E Character Generator

By connecting the CG-P50E, titles, dates and lap times can be superimposed on any scene during recording.





SPECIFICATIONS

Format:	VHS PAL standard
Power source:	9.6 V $\bar{\bar{\bar{\cdot}}}$
Power consumption:	7.6 watts (nominal in the record mode)
Signal system:	PAL system (25 frames, 625 lines, 2:1 interlaced)
Recording system:	Luminance: FM recording Colour: Converted subcarrier direct recording Conforms to VHS standard
Cassette:	VHS-C cassette
Tape speed:	23.39 mm/sec
Recording time:	Max. 30 minutes (with EC-30 cassette)
Video output:	1 Vp-p, 75 ohms, unbalanced (via A/V socket)
Audio output:	-6 dBs, 1 k-ohm (via A/V socket)
Microphone input:	-68 dBs, 10 k-ohms, unbalanced
Provided microphone:	Detachable unidirectional condenser microphone
Pickup tube:	1/2" High-Band Saticon*, single-carrier frequency separation system
Minimum required illumination:	15 lux (with sensitivity switch set to UP)
Illumination range:	15 - 100,000 lux (auto iris mode with sensitivity switch set to UP)
Lens:	f/1.2, f = 8 - 48 mm, 6:1 power zoom lens with auto iris control and macro position, filter diameter 49 mm
Viewfinder:	Electronic viewfinder with 1/2" (12.7 mm) black/white CRT
Colour temperature switching:	Switchable filter (3,200 K/5,200 K)
White balance adjustment:	Automatic/preset standard
Operating temperature:	0°C to + 40°C
Operating humidity:	Less than 80 %
Storage temperature:	-20°C to +30°C
Weight:	1.9 kg (with viewfinder)
Dimensions (W x H x D):	108 x 136 x 314 mm (excl. viewfinder, lens hood and battery pack) 176 x 136 x 340 mm (incl. viewfinder, lens hood and NB-P5U battery pack)

*Saticon is a registered trademark.

E. & O.E. Design and specifications subject to change without notice.

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