

JVC
PROFESSIONAL

Professional DV Recorder/Player
BR-DV600E

Mini **DV** PAL



PROFESSIONAL DV

COMPACT, AFFORDABLE,
VERSATILE: THE IDEAL
DIGITAL EDITING
SOLUTION FOR
PROFESSIONALS



(Front panel)

ACTUAL SIZE

Flexible enough to connect into virtually any editing system — linear or non-linear — and featuring the performance specifications needed to produce high-quality, professional results, the compact, lightweight BR-DV600E DV recorder/player may well be the breakthrough digital video product you've been waiting for.

Why?

Because the BR-DV600E DV is the first professional digital video editor built to meet the needs of all video editing professionals — not just those with big budgets. Designed to interface with all the most commonly used professional editing systems, the BR-DV600E's DV connectivity enables lossless digital transfers to and from many non-linear editing systems, making it an excellent choice as an NLE spooler. Currently the only DV machine to feature both analogue component inputs/outputs and an RS-422 interface, this versatile unit also comes with Y/C component connectors, JVC 12-pin control connectors, and an optionally available RS-232C interface. As a result, you can use the BR-DV600E with just about any existing linear editing system — whether it's digital, S-VHS, Hi-8 or Beta SP. And when you consider that the BR-DV600E uses easy-to-obtain MiniDV cassettes for outstanding digital quality at an affordable price, it all adds up to the most versatile cross-platform video editing solution available today.

To make the most of this high-performance recorder/player, you'll want to use it in conjunction with our new GY-DV500E camcorder. Shoot high-quality digital footage in the field with the GY-DV500E, then load the MiniDV cassette into the BR-DV600E and transfer the video data to the editing system of your choice. With its ability to convert analogue signals to digital and vice-versa, the BR-DV600E can be integrated with any existing system, as well as allowing for easy upgrading in the future.

From corporate and educational productions to television and satellite broadcasting, multimedia and more, the high-quality digital performance, systems flexibility, and wide range of advanced professional features make the BR-DV600E the right choice for anyone shooting or editing in DV.



HIGH-QUALITY DIGITAL RECORDING

DV recording on a MiniDV tape



ACTUAL SIZE

Because it uses the MiniDV format, the BR-DV600E offers all the convenience and affordability of a consumer system, while providing the same high-quality 4:2:0, 8-bit, 25 Mbps component digital processing as other DV-based systems to give superior recording performance. Up to 80 minutes* of DV component digital images can be recorded on a single MiniDV tape, assuring the high-quality, non-degradable images needed for top results in post-production. Impressive horizontal resolution of 500 lines is achieved when signals are played back with the BR-DV600E.

* With an MDV-80 tape

High-quality PCM digital audio

To complement its superior DV pictures, the BR-DV600E offers outstanding digital PCM sound. You can choose two 16-bit 48-kHz channels or four 12-bit, 32-kHz channels with a dynamic range of more than 85 dB.

SYSTEM FLEXIBILITY

Variety of video inputs/outputs

The BR-DV600E's built-in DV input/output enables lossless digital video and audio transfers to or from any DV-equipped device such as a non-linear editing system or DV recorder, making this unit an ideal spooler. With composite/YC/component inputs/outputs also provided, the BR-DV600E can be used in combination with video sources of virtually any format. Add to that a built-in signal converter that converts analogue signals to digital signals and vice-versa, and you have a versatile VCR that's ready to integrate in any analogue/digital system.

BR-DV600E		Other video equipment
DV IN/OUT	↔	DV input/output (non-linear editing system, etc.)
VIDEO IN (composite)	←	Composite output (VHS VCR, etc.)
VIDEO OUT (composite)	→	Composite input (VHS VCR, etc.)
YC IN	←	Y/C output (S-VHS VCR, etc.)
YC OUT	→	Y/C input (S-VHS VCR, etc.)
COMPONENT IN (x 3)	←	Component outputs (D-9, DVCPRO, DVCAM VCR, etc.)
COMPONENT OUT (x 3)	→	Component inputs (D-9, DVCPRO, DVCAM VCR, etc.)
SYNC IN	←	Sync signal output (sync signal generator)
MONITOR OUT	→	Monitor input (video monitor)



(Rear panel)

AC/DC driving

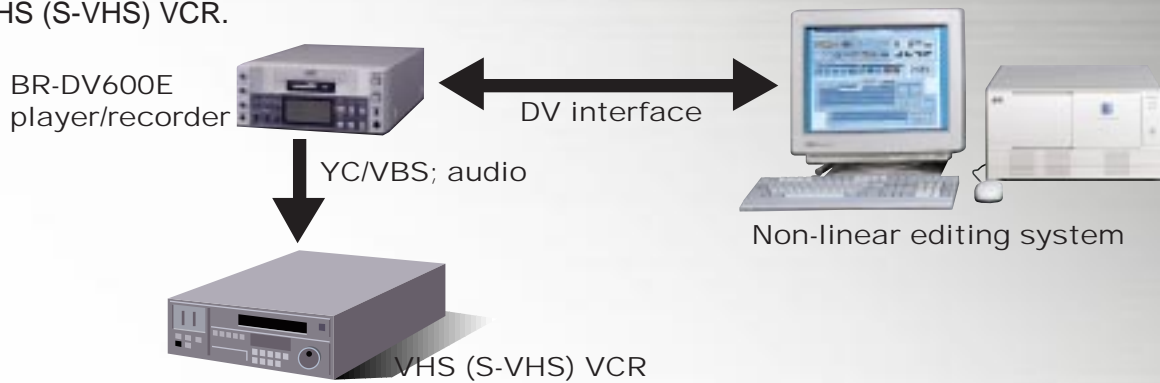
In addition to an AC inlet, the BR-DV600E is provided with a DC 12 V connector, allowing you to operate it in locations where an AC power supply is not available.

System flexibility with various interfaces

To give you flexibility when it comes to configuring your editing system, the BR-DV600E is equipped with an industry-standard RS-422 interface that allows DV source material to be transferred to various formats for editing. Also provided is a JVC bus interface compatible with JVC's popular S-VHS edit-desk system. If you need computer-controlled operation, you can add an optionally available RS-232C interface. The BR-DV600E can be controlled from a personal computer via either the DV or RS-232C interface.

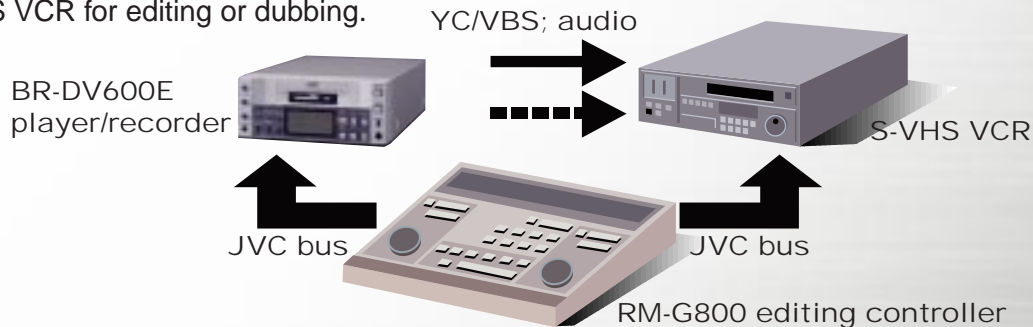
(1) MiniDV → Low-cost non-linear editing system (→VHS copy)

Load a MiniDV tape into the BR-DV600E player/recorder for editing on an NLE system or dubbing to a VHS (S-VHS) VCR.



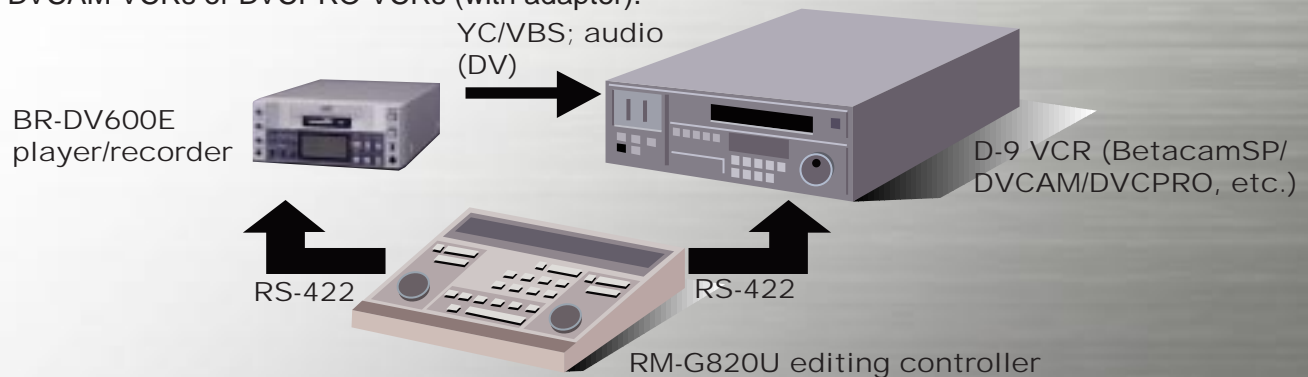
(2) MiniDV → S-VHS (VHS) editing system

Load a MiniDV tape into the BR-DV600E player/recorder. Analogue signals are transferred to the S-VHS VCR for editing or dubbing.



(3) MiniDV → Other format editing systems (D-9, DVCPRO, DVCAM, etc.)

Load a MiniDV tape into the BR-DV600E player/recorder. Signals can be transferred to VCRs of any format via either the analogue or DV connectors. MiniDV cassettes can also be played back in DVCAM VCRs or DVCPRO VCRs (with adapter).



USER-FRIENDLY

Super scene finder



The BR-DV600E features JVC's exclusive new Super Scene Finder. Because this allows you to log scenes before transfer, and mark

SuperSceneFinder

the ones you want to use, it dramatically speeds up the transfer process and helps save valuable disk

space in a non-linear editing system. Logged data recorded on a tape with the GY-DV500E can be spooled onto a non-linear editing system by playing the tape back on the BR-DV600E. And since scene data is written directly onto the MiniDV cassette, expensive cassettes with memory chips are not required. Up to 134 scenes can be marked per cassette.

Data transmission



GY-DV500E or BR-DV600E



RS-232C



NLE

Data transmission from the BR-DV600E to an NLE system.

Video/audio acquisition



GY-DV500E or BR-DV600E



VIDEO/AUDIO



NLE

Only specified scene data is captured on the NLE system.

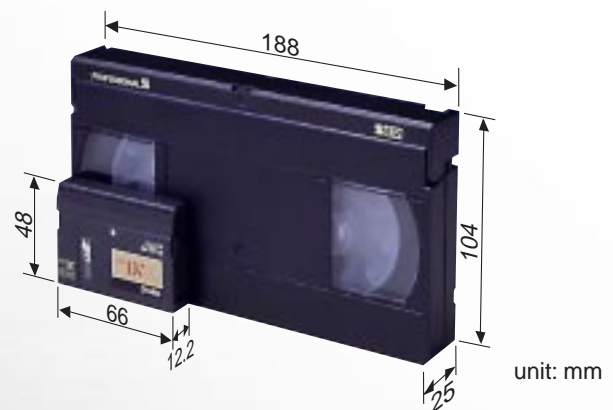
Low running cost

Easy tape availability

MiniDV tapes are readily available and inexpensive because the tape is the same MiniDV tape as that used for consumer products. You will be able to stock up with replacement tapes wherever you are and whenever you need them.

Space saving

With dimensions of 66 x 48 x 12.2 mm, MiniDV cassettes are only a fraction of the size of an S-VHS cassette, so they take up less space in your tape library and in your travel pack.



Compact, lightweight design



The BR-DV600E weighs a mere 4 kg and since it is only 212 mm wide, two of them can be placed side by side in a standard EIA rack.

VERSATILE AND EASY-TO-USE

Comprehensive editing functions



The BR-DV600E is equipped with a comprehensive set of studio-level editing functions including insert and assemble editing. Also provided is an audio dubbing function that lets you add a new soundtrack (such as narration or music) to the CH3 and CH4 audio channels without affecting the original video or the CH1 and CH2 audio already recorded on the tape. Search with audio is also possible, so you can quickly check for the presence of audio on your recordings.

Other pro-level features include a built-in time code generator/reader. SMPTE-standard LTC time codes are recorded frame by frame and can be played back for accurate editing. Time code data input to the rear panel's TIME CODE IN connector can also be recorded. Time code information is clearly displayed on the on-screen display or counter display for easy data control and user bits are also provided.

Menu system on LCD and on-screen display



```
000 ~ : SERVO / SYSTEM
100 ~ : VIDEO
200 ~ : AUDIO
300 ~ : SYSTEM
400 ~ : TIME CODE
500 ~ : ONSCREEN
HM : HOUR METER
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002 : OPERATION LOCK OFF
003 : SYNC SELECT VIDEO
050 : REMOTE SELECT I EEE1394
```

The convenient menu system lets you quickly set and switch most basic functions while referring to the LCD or on-screen display. Over 20 items are selectable, including, sync select, remote select, video input select, sampling rate, SSF mode, TCG select and time select. Other information including warning codes and tape counter is also shown on both displays.

Other features

- External sync input connector
- External timer recording/playback

SPECIFICATIONS

General

Power requirements: AC 220 – 240 V, 50/60 Hz, DC 12 V (11 V to 17 V)

Power consumption: Approx. 27 W

Dimensions: 212 (W) x 88 (H) x 324.5 (D) mm

Weight: Approx. 4 kg

Temperature

Operating: 5°C to 40°C

Storage: -20°C to 60°C

Humidity

Operating: 30% to 80% RH

Storage: 85% RH or less

Format: DV format

Signal format: PAL

Usable tape: MiniDV tape

Tape width: 6.35 mm

Tape speed: 18.8 mm/sec. (SP mode)

Record/play time: 80 minutes (with an MDV-80 tape)

FF/rewind time: Within 120 sec. (with an MDV-60 tape)

[Video]

Video signal recording format: 8-bit, 13.5 MHz, 4:2:0 component recording

Sampling frequency: Y: 13.5 MHz, R-Y/B-Y: 6.75 MHz

Video inputs

Analogue composite: 1.0 Vp-p, 75 ohms

Analogue Y/C: Y: 1.0 Vp-p, 75 ohms

C: 0.3 Vp-p, 75 ohms

Analogue component: Y: 1.0 Vp-p, 75 ohms

R-Y/B-Y: 0.7 Vp-p, 75 ohms

Accessories

Instruction manual x 1

AC cable x 1

Options

RM-G30U remote control unit



SA-K46U RS-232C interface board

External sync input: 0.3 Vp-p, 75 ohms

Video output

Analogue composite: 1.0 Vp-p, 75 ohms

Analogue Y/C: Y: 1.0 Vp-p, 75 ohms

C: 0.3 Vp-p, 75 ohms

Analogue component: Y: 1.0 Vp-p, 75 ohms

R-Y/B-Y: 0.7 Vp-p, 75 ohms

[Audio]

Audio signal recording format: 16-bit, 48 kHz for two channels or 12-bit, 32 kHz PCM for four channels

Frequency response: 20 Hz to 20 kHz, +1.0/-5 dB (16 bits)

Dynamic range: 85 dB or more (PCM audio)

Audio input

Line: -6 dB, high impedance, unbalanced

Mic: -50 dB, high impedance, unbalanced

Audio output

Line: -6 dB, low impedance, unbalanced

Monitor: -6 dB, low impedance, unbalanced

Headphone: - infinity to -17 dBs, 8 ohms

[Time code]

Input: 0 ± 6 dBs, high impedance, balanced

Output: 0 ± 3 dBs, low impedance, balanced

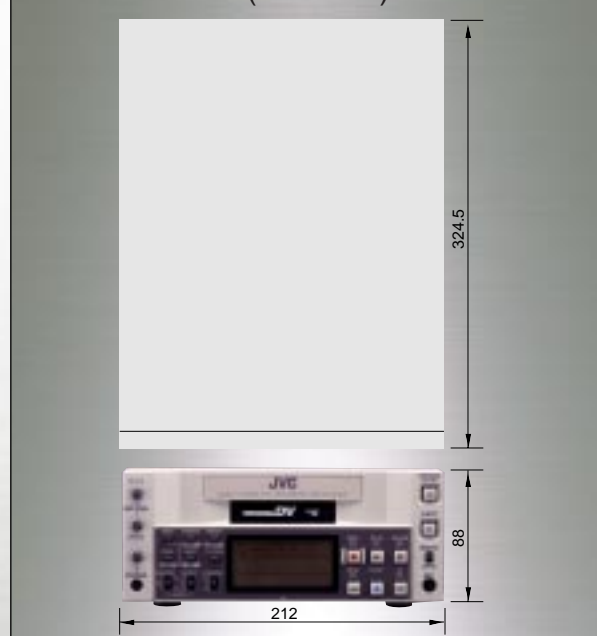
[Connectors]

IEEE 1394 interface: 4-pin

RS-422 interface: D-sub 9-pin

JVC bus connector: DIN 12-pin

Dimensions (unit: mm)



Design and specifications subject to change without notice.

JVC

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Printed in Japan
KCS-8354 CEDV500EUN9910