

**JVC**  
**PROFESSIONAL**

DV Camcorder

**GY-DV5000**

DV Recorder with Editing Function

**BR-DV6000**

DV Recorder

**BR-DV3000**

**DV<sup>Mini</sup>DV**



*Streamcorder*



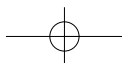
*Streamcorder*



**PRELIMINARY**

**PROFESSIONAL DV**





# Three all-new additions to our Professional DV lineup add versatility and power with long-time recording, Standard DV/Mini DV mechanism and network connectivity.

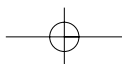


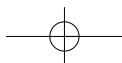
## Feature highlights (all models)



### Newly developed Standard DV/Mini DV compatible mechanism

Featuring a reel motor in addition to the capstan motor, as well as a new double-tension system, this new mechanism not only provides improved tape running stability and horizontal/vertical operation, it can accommodate both Standard DV and Mini DV format cassettes without any adapter. Designed to professional standards, this mechanism also facilitates high-speed operation, including higher speed search and FF/REW at speeds up to 100x. Cuing operations are also faster and more accurate. This mechanism also features a built-in active/mechanical low-noise head cleaner that automatically cleans the heads each time a tape is loaded and the mode is changed.





Over the past few years, the convenience and quality of DV has transformed the face of video production. But is it really the right choice for professionals? The answer is a resounding yes. JVC's three new Professional DV models — the GY-DV5000 camcorder, the BR-DV6000 recorder and the BR-DV3000 compact recorder — not only provide a full set of professional features and functions, they also offer unprecedented flexibility with a built-in Standard DV/Mini DV-compatible mechanism and optional network streaming capability (except for the BR-DV3000).

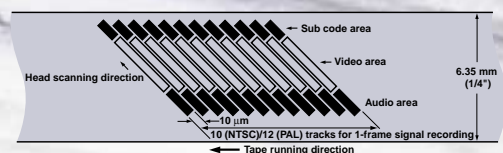
For image acquisition, there's the GY-DV5000. The follow-up to the enormously popular GY-DV500, the GY-DV5000 is a high-performance 1/2" 3-CCD Professional DV camcorder which includes advanced features such as a 12-bit ADC (used only in broadcast cameras), a 12-bit camera digital signal processor for superior, high-resolution images, and professional functions including bayonet lens mount, DV interface and LOLUX mode. More than just a successor to the GY-DV500, the all-new GY-DV5000 sets a whole new standard in performance and versatility with features like high resolution of 800 TVL, a Standard DV/Mini DV compatible mechanism, high sensitivity of F13 at 2000 lx, external light trigger function, optional network connectivity, tri-mode 2.5-inch LCD display and more.

Edit your DV footage on the BR-DV6000. This Professional DV editing recorder's comprehensive set of interfaces allows it to work seamlessly with most video formats and integrate easily in a non-linear editing system environment. For archiving and basic NLE spooling, the compact, stylish BR-DV3000 provides a simple solution that can be installed horizontally or vertically.

Together, these three models provide a complete Professional DV solution that's ideal for broadcasters, CATV or high end production, yet within easy reach of any professional.



### Standard DV/Mini DV recording system



Up to 276 minutes\* (4 hrs. 36 min.) of high-quality 8-bit, 13.5 MHz 4:1:1 (NTSC)/ 4:2:0 (PAL) DV component digital images can be recorded on a standard DV tape, while up to 63 minutes\*\* of recording is possible on MiniDV tapes. In either case, you know you'll be getting the high-quality, non-degradable images you need for top results in post-production editing. Impressive horizontal resolution of 540 TV lines or more is achieved regardless of signal input. In addition, DV signals can be recorded on a DVCAM tape, as well.

\* With an LA-DV276PRO tape.

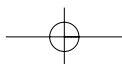
\*\* With an M-DV63 tape

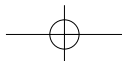
### DV input/output connector

This allows bi-directional transfer of a high-quality compressed digital motion-picture signal to a computer, a deck, a non-linear editing system or to another DV recorder. (GY-DV5000E has the DV output only.)

### High-quality PCM audio

To complement the superior pictures, the GY-DV5000/ BR-DV6000/BR-DV3000 offers outstanding digital PCM sound. 16-bit, 48 kHz audio signals are locked with video signals for smooth editing. You can choose from two 16 bit, 48 kHz channels or four 12-bit, 32 kHz channels.





## GY-DV5000U (NTSC) DV Camcorder (DV input/output)

## GY-DV5000E (PAL) DV Camcorder (DV output only)

## GY-DV5001E (PAL) DV Camcorder (DV input/output)

These 1/2" 3-CCD camcorders with 12-bit ADC and 12-bit DSP offer outstanding camera signal resolution of more than 800 TVL. Superior performance plus full professional specs and functions make these camcorders the new standard for professional image acquisition.



### Professional specifications


#### 3-CCD camera for high-quality picture

**3-CCD** To ensure the best possible image quality, the GY-DV5000 incorporates three 1/2" 410,000\* (NTSC)/470,000\*\* (PAL) pixel CCDs. Each CCD is equipped with highly advanced circuitry that virtually eliminates vertical smear when shooting bright lights against a dark background. Lag and image burn are also reduced to indiscernible levels. \*380,000 effective \*\*440,000 effective

#### F13 at 2000 lx

The ultra-sensitive camera (F13 at 2000 lx) assures effortless shooting in extreme low light situations. This powerful feature increases creative flexibility and simplifies lighting requirements. The camera head has extra-high effective resolution of 800 TVL.

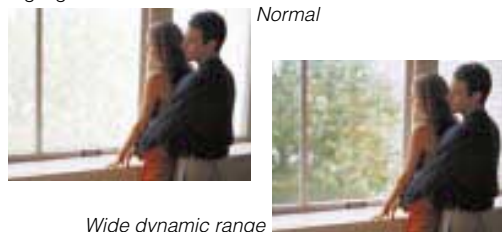
#### Newly-developed 12-bit ADC\* and 12-bit DSP\*\*

 The 12-bit ADC directly inputs to the DSP, thus eliminating any signal degradation that might otherwise arise from the analog circuits. In addition, new DSP with advanced video processing brings out all the natural details, eliminates noise, providing rich, accurate color reproduction previously found only in the most expensive field production cameras.

\*ADC: Analog Digital Converter \*\*DSP: Digital Signal Processor

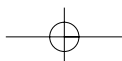
#### Wide dynamic range of 400% or more

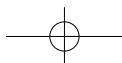
The GY-DV5000's super fast multi-stream parallel processing DSP creates an ultra-smooth gamma curve calculated using a true log scale algorithm. The result is a dynamic range of over 400% that accurately reproduces fine details and colors in both shadowed and highlighted areas.



#### 1/2" bayonet lens mount

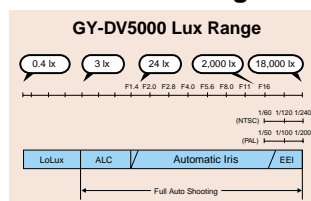
The GY-DV5000 uses a standard professional 1/2" bayonet lens mount, making it compatible with the widest selection of broadcast and professional lenses. No adapters, no hidden costs. Just a smart way to tap the rich infrastructure of interchangeable professional lenses.





## Professional functions

### Full Auto Shooting



In an emergency, or when it's not possible to pause to adjust white balance or change the gain, the Full Auto Shooting mode provides point-and-shoot ease of operation, leaving you simply to zoom, focus, and press the record button. Activating Full Auto Shooting puts the camera

in the Auto Iris mode, even if the lens is set to manual. Automatic Video Level Control (ALC) is also activated, along with Extended Electronic Iris (EEI) which provides both variable gain and variable shutter and Full Auto White to follow color temperature. This means you can shoot continuously from dark to bright, from indoors to outdoors, without changing gain, iris, white balance or ND filter.

### Color matrix

A sophisticated six-axis color matrix circuit effectively compensates optics-related color reproduction to ensure more natural, true-to-life tones. Four color matrix presets (Standard/Cine/Warm/Off) are provided to give you more creative control over the look and feel of your images.

### Tri-mode 2.5-inch LCD display



The 200,000-pixel 2.5" color TFT LCD monitor provides a high-resolution 440 TVL image during shooting or playback. Its peaking adjust function allows quick, effortless focusing. A push button selects three display modes:

1. Video only
2. Video images with text information overlay including time, status, mode, and other data are shown on the screen.
3. Data information only including time, status, mode, and other data are shown on the screen (see example in paragraph below).

### Functions and switch layout for "real" professionals



In addition to the Full Auto Shooting to handle difficult or variable lighting environments, the GY-DV5000 is equipped with an array of pro-level functions that provide professionals with the creative

flexibility they need.

These include soft detail correction, Skin Tone Detection, fully adjustable gamma, Iris over/under Black Stretch/Compress, Frame Mode, etc. The GY-DV5000's switches have also been arranged in the way that most professionals are accustomed to, making operation more intuitive, precise, easy, and error-free. Since you won't have to "re-learn" how to use this camcorder all over again, the GY-DV5000 is the ideal camera for any assignment.

### LOLUX 0.4 lx (F1.4)

When activated, the LOLUX mode increases sensitivity with almost no increase in noise. LOLUX increases the gain by +36 dB so you can capture high-quality video footage with excellent color balance, enhanced gradations, and minimal color smear in low-light conditions.

### Various audio-related functions

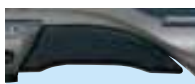
When color bars are output, audio reference level (test tone) is also output. The audio reference level can be set to -12 dB or -20 dB as required. In addition, a "wind cut" function is provided to minimize extraneous noise picked up by the microphone.

## Versatile, user-friendly design

### Optional 0.5-inch CRT black & white viewfinder

The viewfinder can be moved forwards or backwards and the viewing angle can be adjusted, so it is easy to keep your subject in frame. The peak value is changed to make focusing easy at all times.

### On-shoulder type with soft shoulder pad



For smooth, stable shooting, the GY-DV5000 has been designed for on-shoulder shooting and comes with a soft shoulder pad attached.

### External light trigger function

When you use the Anton Bauer QR-JVC-AUTO battery holder, you can link the ON/OFF switching of a connected light to the recording trigger. Attaching the IDX NH202 dual battery holder to the GY-DV5000, also allows you to link ON/OFF light switching to the recording trigger. If you want the light on all the time, you can use the switch.

### Time/date recording

Time and date with seconds resolution can be recorded on the tape over color bars or video. Time and date are also overlaid over the video output.

### Black stretch/black compress

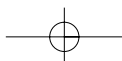
You can use this function to enhance or compress reproduction of black areas on the screen. When stretched, the contrast of high-contrast images is reduced so that you can capture both highlights and shadows. With 0.45 gamma, you can shoot with ambient lighting only (no fill light required), allowing you to obtain better detail reproduction in bright or shadowed areas. When compressed, the contrast is increased, making colors richer.

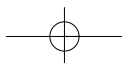
### Scan mode

It is possible to select between video or "Hi Rez Frame Mode" for a more cinematographic effect.

## Other features

- Full Auto White (FAW)
- Spot L/Back L
- Aspect ratio (4:3/letter box)
- Detail correction
- Detail V/H balance
- Skin detail detection
- White clip select
- Knee point select
- 7.5 IRE setup ON/OFF (GY-DV5000U only)
- Lock audio (16-bit, 48 kHz only)
- ACCU-FOCUS
- Automatic level control (ALC)
- System file selection
- Smooth transition mode
- Variable, slow shutter
- Built-in color bar
- Gamma control
- Auto black level
- Zebra pattern (4-step)
- Auto knee
- Highlight chroma processing
- SMPTE/EBU time code generator
- Blank search
- Edit search
- Adaptable to Sony-style tripod base





## Realtime MPEG4 encoding (GY-DV5000 + KA-DV5000U with network card)



When the KA-DV5000 network pack with a network card inserted is connected to the GY-DV5000, the GY-DV5000 can connect to a PC via a wired/wireless LAN.

This setting allows:

1. All images and sound captured with the GY-DV5000 can be streamed as MPEG4 files in real time. Data rate can be adjusted from 32 kbps - 512 kbps to match the network conditions.
2. MPEG4/ASF files can be recorded on a CF card. In addition, camera settings can be stored as setup files on the CF card and recalled as needed.

3. Camera settings can be adjusted remotely from anywhere in the world via a web browser.

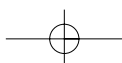
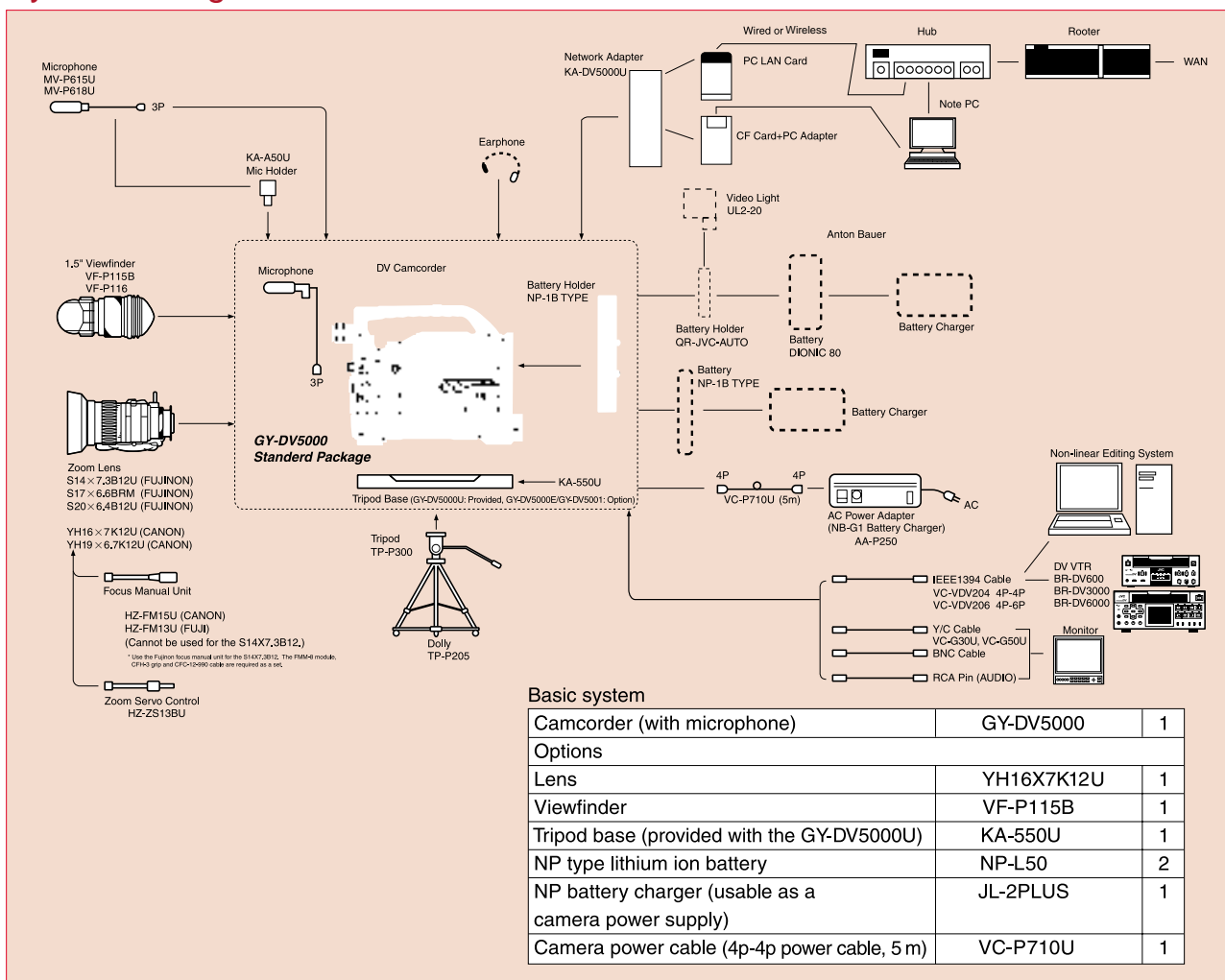
This convenience and flexibility makes the GY-DV5000 ideal for any type of live event. From weddings and concerts to live news broadcasts, you'll be able to send your images around the world instantly.

### Capture scene function

	TC IN 01:14:03 TC OUT 02:14:00
	TC IN 04:15:03 TC OUT 06:12:01
	TC IN 08:20:03 TC OUT 09:14:03

Time codes for IN and OUT points recorded with the GY-DV5000 can be saved together with corresponding MPEG4 files on a CF card attached to the KA-DV5000U. You can use this data to generate a simplified editing shot log for tapes recorded on the GY-DV5000, speeding up linear or non-linear editing operation.

## System configuration



## Specifications

### General

Power requirement: DC 10.5 V to 17 V  
 Power consumption: Approx. 20 W (in the Record mode)  
 Dimensions: 364 (W) x 249 (H) x 121 (D) mm  
 (14-3/8" x 9-13/16" x 4-13/16")  
 Weight: 5.5 kg (12 lbs.) (including viewfinder, battery, microphone and tape)

### Temperature

Operating: 0°C to 40°C (32°F to 104°F)  
 Storage: -20°C to 60°C (-4°F to 140°F)

### Humidity

Operating: 30% to 80% RH  
 Storage: 85% RH or less

### Camera section

Image pickup device: 1/2" interline-transfer CCDs  
 Color separation optical system: F1.4, 3-color separation prism  
 Number of pixels:  
 Total: 410,000 (NTSC)/470,000 (PAL)  
 Effective: 380,000 (NTSC)/440,000 (PAL)  
 Color system: GY-DV5000U (NTSC), GY-DV5000E/GY-DV5001E (PAL) (wide-band R-Y, B-Y encoder)  
 Color bars: SMPTE/EBU type  
 Sync system: Internal sync (built-in SSG)  
 Lens mount: 1/2" bayonet system  
 Optical filter: 3200K, 5600K, 5600K+1/8ND, 5600K+1/64ND  
 Sensitivity: F13, 2000 lx  
 Minimum illumination: 0.4 lx with F1.4, LOLUX  
 Horizontal resolution: 800 effective lines (camera head, no output)  
 S/N: Effective 62 dB (camera head, no output: GY-DV5000U)  
 Effective 60 dB (camera head, no output: GY-DV5000E/GY-DV5001E)  
 Gain: -3, 0, 6, 9, 12, 15, 18 dB, variable gain (0.2 dB-step) in ALC and LOLUX  
 Electronic shutter:  
 Standard value: 59.94 Hz (GY-DV5000U)/50 Hz (GY-DV5000E/GY-DV5001E)  
 Fixed values: 7.5, 15, 30, 100, 250, 500, 1,000, 2,000, 4,000, 10,000 Hz (GY-DV5000U) 6.75, 12.5, 25, 120, 250, 500, 1,000, 2,000, 4,000, 10,000 Hz (GY-DV5000E/GY-DV5001E)

Variable scan: 60.1 to 2,084.6 Hz (GY-DV5000U)/50.1 to 2,067.8 Hz (GY-DV5000E/GY-DV5001E)  
 Dynamic range: 400 % or more

### VTR section

Format: DV format, 4:1:1 (NTSC)/4:2:0 (PAL) format  
 Signal format: NTSC/PAL  
 Usable tape: Standard/Mini DV tape  
 Tape speed: 18.812 mm/sec. (GY-DV5000U), 18.831 mm/s (GY-DV5000E/GY-DV5001E)  
 Record/play time: 276 minutes (with an LA-DV276PRO tape), 63 minutes (with an M-DV63 tape)

### [Video]

Video signal recording format: 8-bit, 13.5 MHz, 4:1:1 (NTSC)/4:2:0 (PAL) component recording

### [Audio]

Audio signal recording format: 16-bit, 48 kHz PCM for 2 channels or 12-bit, 32 kHz PCM for 4 channels  
 Frequency response: 20 Hz to 20 kHz (48 kHz mode)

### [Connectors]

Video output: 1.0 V (p-p), 75 ohms, unbalanced (BNC) (composite video signal)

Y/C output: Y: 1 V (p-p), 75 ohms, unbalanced  
 C: 0.286 V (NTSC)/0.3 V (PAL) (p-p), 75 ohms, unbalanced (4-pin)

Audio inputs: Mic: -60 dBs, 3 kohms, balanced (XLR), +48 V output for phantom power supply  
 Line: +4 dBs, 10 kohms, balanced (XLR)

Audio outputs: -6 dBs, low impedance, unbalanced (RCA)

Earphone jack: -17 dBs to -60 dBs, 8-ohm impedance (stereo sound mini-jack)

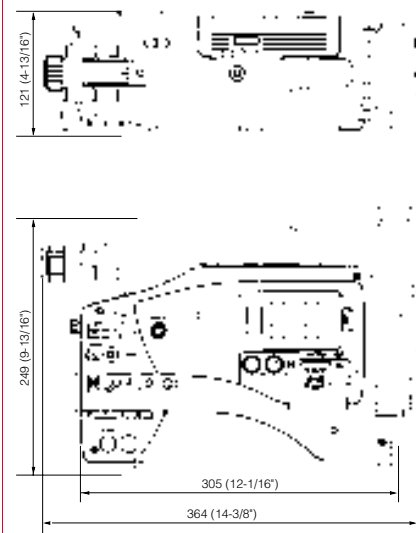
DV connector: 4-pin

### [Accessories]

Microphone x 1  
 Tripod base x 1 (GY-DV5000U only)

## Dimensions

Unit: mm/inches



## Options




 <p><b>VF-P115B</b> 1.5" viewfinder</p>	 <p><b>VF-P116</b> 1.5" viewfinder</p>	 <p><b>KA-550U</b> Tripod base (provided only with the GY-DV5000U)</p>	 <p><b>Network pack KA-DV5000U</b></p>																				
<p><b>S14 x 7.3B12U</b> 14:1 power zoom lens</p>  <p><b>S17 x 6.6BRM</b> 17:1 power zoom lens</p> <p><b>S20 x 6.4B12U</b> 20:1 power zoom lens</p>	<p><b>YH16 x 7K12U</b> 16:1 power zoom lens</p>  <p><b>YH19 x 6.7K12U</b> 19:1 power zoom lens</p> <p>(Fujinon)</p>	<p><b>YH16 x 7K12U</b> 16:1 power zoom lens</p>  <p><b>YH19 x 6.7K12U</b> 19:1 power zoom lens</p> <p>(Canon)</p>	 <p><b>AA-P250</b> AC power adapter/charger <small>*Can be used only as an AC power adapter.</small></p>																				
 <p><b>MV-P615U</b> <b>MV-P618U</b> Microphone</p> <table border="1"> <thead> <tr> <th></th> <th>MV-P615U</th> <th>MV-P618U</th> </tr> </thead> <tbody> <tr> <td>Exterior</td> <td>Aluminum</td> <td>Plastic mold</td> </tr> <tr> <td>Power supply system</td> <td>Phantom (48 V)</td> <td>Phantom (48 V)</td> </tr> <tr> <td>Connector</td> <td>XLR-3P</td> <td>XLR-3P</td> </tr> <tr> <td>Sensitivity</td> <td>-65 dB</td> <td>-65 dB</td> </tr> <tr> <td>S/N</td> <td>50 dB or more</td> <td>40 dB or more</td> </tr> <tr> <td>Weight</td> <td>140 g</td> <td>90 g</td> </tr> </tbody> </table>		MV-P615U	MV-P618U	Exterior	Aluminum	Plastic mold	Power supply system	Phantom (48 V)	Phantom (48 V)	Connector	XLR-3P	XLR-3P	Sensitivity	-65 dB	-65 dB	S/N	50 dB or more	40 dB or more	Weight	140 g	90 g	 <p><b>HZ-FM13U</b> Manual focus control for Fujinon lens (excluding S14 lens)</p>	 <p><b>HZ-FM15U</b> Manual focus control for Canon lens</p>
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 <p><b>HZ-ZS13BU</b> Zoom servo/trigger control (Fujinon/Canon lenses)</p>	 <p><b>KA-A50U</b> Microphone holder</p>	 <p><b>VC-VDV204</b> (4p-4p, 2 m) <b>VC-VDV206</b> (4p-6p, 2 m) DV cable</p>	 <p><b>M-DV63PRO</b> <b>M-DV60ME</b> <b>M-DV30ME</b> MiniDV tapes <b>M-DV12CL</b> MiniDV cleaning tape</p>  <p><b>LA-DV276PRO</b> <b>LA-DV186PRO</b> <b>LA-DV124PRO</b> Standard DV tapes</p>	<p><b>TP-P300U</b> Tripod</p> <p><b>TP-P205</b> Dolly</p> <p><b>VC-G30U Y/C cable</b> (4p-4p, 3 m)</p> <p><b>VC-G50U Y/C cable</b> (4p-4p, 5 m)</p> <p><b>VC-P710U</b> Camera power cable (4p-4p, 5 m)</p>																			

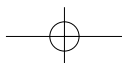
### Commercially-available options

#### From IDX

 <p><b>NP-L50 type batteries</b></p>	 <p><b>JL-2PLUS</b> Quick charger with AC adapter (For NP-L50 type batteries. This can be also used as a camera power supply)</p>	 <p><b>NH-202</b> NP battery dual holder</p>	 <p><b>X-Litell</b> Light for ENG</p>
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#### From Anton Bauer

 <p><b>Dionic 80</b> Digital lithium ion battery 80 W/h</p>	 <p><b>Titan Twin</b> Battery charger</p>	 <p><b>UL2-20</b> Ultralight camera</p>
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# BR-DV3000U (NTSC) DV Recorder

# BR-DV3000E (PAL) DV Recorder

The BR-DV3000 is a simple, no-frills recorder/player with a compact and stylish design that can be installed horizontally or vertically.



## System flexibility with various interfaces

### NTSC/PAL compatibility

Switch between NTSC or PAL as required. This makes it easy to work with internationally sourced material and transfer it to a non-linear system for editing. You can also record to Standard DV or Mini DV tape in either NTSC or PAL system.

*\*Cannot be used as an NTSC/PAL converter.  
The BR-DV3000 can record and play back signals in both NTSC and PAL formats.*

### Y/C input/output and composite input/output

In addition to DV input/output, the BR-DV3000 is equipped with the Y/C input/output and composite input/output.

### RS-422A interface

As the BR-DV3000 is equipped with an industry-standard RS-422A interface, DV source material can be transferred to a variety of formats for editing.

*\*The BR-DV3000 can be used as a player when connected to the RM-G820. It cannot be used as a recorder.*

### DVCAM playback capability

DVCAM recordings can be played back directly on the BR-DV3000. This makes it easy to use DVCAM recordings as source material for editing.

## User-friendly design

### Audio indicator

This indicator lights whenever audio signals are input. Also, it provides a convenient way to check for the presence of the audio signals during tape playback.

### Wireless/wired remote control



Wireless remote control (provided)

Connecting the optional RM-G30 controller to the REMOTE connector enables you to control BR-DV3000 operations from a distance. There's also a wireless remote control that provides control over field advance (1st/2nd), frame advance, menu display, audio reference level selection (-20 dB or -12 dB, in the Playback mode only), color bar display and blank search, as well as in addition to basic operations.

### 20x high-speed time code search/blank search

The built-in time code generator provides preset (rec run) and regene time codes. In combination with the 20x search function (100x max. in the FF or REW mode), this provides super-fast access to any target point on the tape with visible pictures.

### Continuous recording



When a camcorder is connected to the BR-DV3000 via the DV connector, the BR-DV3000 will start recording 5 minutes before the tape in the camcorder ends.

This enables continuous shooting for extended periods with no breaks in the recording.

### Repeat playback

When the video signal ends or tape ends, playback starts again from the beginning of the recorded video or tape (video end repeat/tape end repeat).

### Vertical operation

The new tape mechanism is compatible with either vertical or horizontal operation, making it easy to install the compact BR-DV3000 in a narrow space or close to a non-linear system.

### On-screen menu

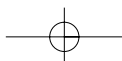
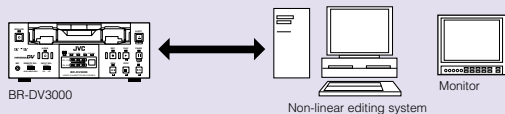
Systematic, easy-to-understand menu screens simplify setting and operation procedures. Menu setting can be done using either the buttons on the front panel or the wireless remote control.



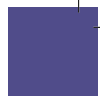
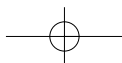
## Application

### Non-linear editing system

Materials recorded on a Standard or Mini DV tape can be transferred to the non-linear system via the DV interface. After you finished the editing on your non-linear system, signals can be directly transferred to this VTR for archiving.







## Versatility

### ±1/3 noiseless slow motion

Noiseless slow-motion playback is possible between -1/3 and +1/3.

### TC duplication mode

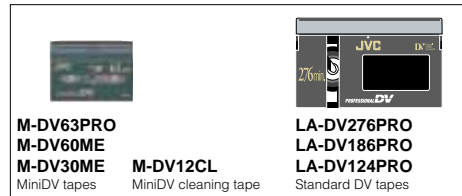
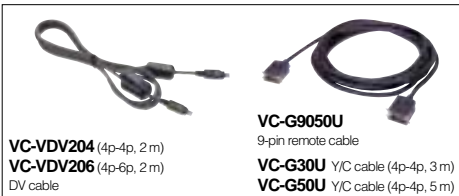
Time code signals input from the DV connector can be recorded.

## Related equipment



## Other features

- Lock audio (16-bit, 48 kHz only)
- Audio dubbing
- Microphone connector
- Time code reader/generator
- Contact closure recording
- Variable speed search
- DV recording on DVCAM tape
- 7.5 IRE setup ON/OFF



## Specifications

### General

**Power requirements:** DC 12 V (from provided 12 V, 3.5 A AC adapter)  
**Power consumption:** Approx. 14 W  
**Dimensions:** 174 (W) x 68 (H) x 260 (D) mm (6-7/8" x 2-11/16" x 10-1/4")  
**Weight:** Approx. 2.5 kg (5.5 lbs.)  
**Temperature**  
 Operating: 5°C to 40°C (41°F to 104°F)  
 Storage: -20°C to 60°C (-4°F to 140°F)  
**Humidity**  
 Operating: 30% to 80% RH  
 Storage: 85% RH or less  
**Format:** DV format (SP mode only. Not compatible with the LP mode.)  
**Signal format:** NTSC/PAL  
**Usable tape:** Standard/Mini DV tape  
**Tape width:** 6.35 mm  
**Tape speed:** 18.812 mm/s (NTSC)/18.831 mm/s (PAL)  
**Record/play time:** 276 minutes (with LA-DV276PRO tape), 63 minutes (with an M-DV63 tape)

### [Video]

**Video signal recording format:** 8-bit, 13.5 MHz, 4:1:1 (NTSC)/4:2:0 (PAL)  
**Video inputs (RCA)**  
 Analog composite: 1.0 V (p-p), 75 ohms  
 Analog Y/C: Y: 1.0 V (p-p), 75 ohms  
 C: 0.286 V (NTSC)/0.3 V (PAL) (p-p), 75 ohms  
**Video outputs (RCA)**  
 Analog composite: 1.0 V (p-p), 75 ohms  
 Analog Y/C: Y: 1.0 V (p-p), 75 ohms  
 C: 0.286 V (NTSC)/0.3 V (PAL) (p-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 (16 bits)  
**Audio inputs**  
 Line: -8 dBs, 10 kohms, unbalanced (RCA)  
 Mic: -60 dBs, 3 kohms, unbalanced (mini jack)  
**Audio output**  
 Line: -8 dBs, 1 k-ohm, unbalanced (RCA)

### [Connectors]

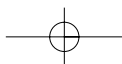
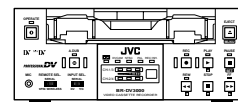
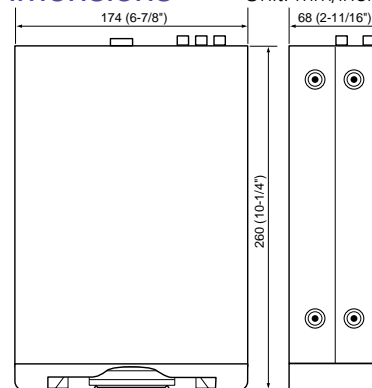
IEEE 1394 interface: 4-pin  
 RS-422 interface: D-sub 9-pin

### [Accessories]

Wireless remote control unit x 1  
 AC adapter x 1  
 AC cable x 1  
 Stand x 1

## Dimensions

Unit: mm/inches



# BR-DV6000U (NTSC) DV Recorder with Editing Function

## BR-DV6000E (PAL) DV Recorder with Editing Function

Designed specifically to function within a non-linear editing system, the BR-DV6000 is an ideal spooler and flexible, easy-to-use editing machine with a variety of interfaces. Compact design, long-time recording ability and a wide range of options including network board, make the BR-DV6000 the right choice for professional studio needs.



### System flexibility with various interfaces

#### Y/C, composite and component input/outputs

In addition to DV input/output, this BR-DV6000 DV VTR is equipped with Y/C, composite and component input/outputs, allowing it to be used in combination with video sources of virtually any format. The BR-DV6000 can serve as digital/analog interface for legacy analog devices like an S-VHS or Betacam recorder.

#### NTSC/PAL playback capability

Both NTSC and PAL signals can be played back. This makes it easy to work with internationally sourced material and transfer it to a non-linear editing system for editing. When signals are input via the DV input, both types of signal can be recorded to Standard or Mini DV tape in either NTSC or PAL system.

\*Cannot be used as an NTSC/PAL converter.  
BR-DV6000U: Signals input via the analog input cannot be recorded in PAL format.  
BR-DV6000E: Signals input via the analog input cannot be recorded in NTSC format.

#### RS-422A interface

As the BR-DV6000 is equipped with an industry-standard RS-422A interface, DV source material can be transferred to a variety of formats for editing.

#### JVC bus interface

Compatible with the RM-G800 remote controller for JVC's popular S-VHS edit-desk series, this interface allows analog signals to be transferred from this VTR to the S-VHS VCR for editing or dubbing.

#### Optional RS-232C interface (SA-K46U)

Use this interface to connect directly to a PC for computer-controlled operation.

#### Optional professional-standard XLR balanced audio boards

High-performance XLR balanced audio connectors are optionally available to ensure professional-standard audio reception and transmission quality. Either the input or output board can be used. Both boards cannot be used simultaneously.

#### DVCAM playback capability

DVCAM recordings can be played back directly on the BR-DV6000. This makes it easy to use DVCAM recordings as source material for editing.

### Various editing functions

#### Insert/assemble editing

The BR-DV6000 is equipped with basic editing functions such as audio/video insert and assemble editing. Video signals and/or audio signals (CH1 and CH2) can be assembled or inserted. A capstan bump function is also provided for frame editing with enhanced quality.

#### Audio dubbing (with 12-bit, 32 kHz audio)

Audio dubbing is available with any configuration and allows you to add a new soundtrack (such as narrative or music) to the CH3 and CH4 audio channels without affecting either the original video track or the existing 32 kHz CH1 and CH2 audio tracks.

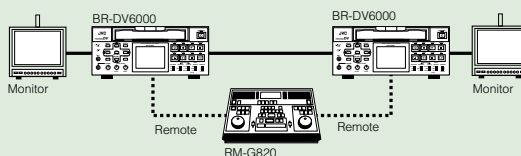
#### SMPTE/EBU time code generator

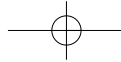
The built-in SMPTE/EBU-standard LTC time code generator provides a full range of time codes including preset (rec run or free run) and regene time codes. Time codes are recorded frame by frame for optimum editing accuracy.

### Application

#### Simplified digital editing system

Using two BR-DV6000s and the RM-G820 remote controller, digital editing system can be set up.





## User-friendly design

### 2.5" color LCD monitor

The high resolution 2.5" color LCD display on the front panel provides monitoring and editing convenience. Video plus data including Time Code, audio level meter, menu setting, and mode are shown.

### Wired remote control

By connecting the optional RM-G30 to the REMOTE connector, you can operate the BR-DV6000 from a distance.

### 20x high-speed search/blank search

The 20x search function (100x max. in the FF or REW mode) provides super-fast access to any target point on the tape. It also makes it easy to cue up non-recorded positions on the tape.

## Optional SA-DV6000 network board for additional unique features

### Realtime MPEG4 streaming capability

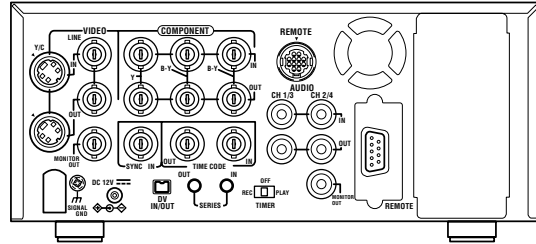
With the SA-DV6000 network board installed in the BR-DV6000 and a PC card in the board, the BR-DV6000 can connect to a PC via a wired/wireless LAN.

Images and sound from Standard DV/Mini DV tape, input signals from the DV input or input signals from all analog inputs can be streamed as MPEG4 files.

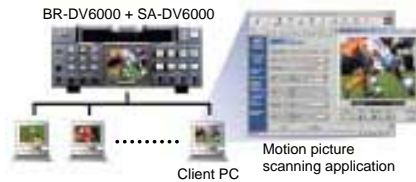
You can also use your PC to adjust BR-DV6000 software settings.

## Other features

- Index search
- Blank search
- Lock audio (16-bit, 48 kHz only)
- External timer
- Time code input/output
- Contact closure recording
- External sync in
- ± 1/3 noiseless slow motion
- Variable speed search
- TC duplication mode
- 7.5 IRE setup ON/OFF (BR-DV6000U only)



### Network movie scanner function



The BR-DV6000 can be used as an MPEG4 motion picture server when combined with the SA-DV6000. Client PCs can access and display video clips from specified positions on the tape.

## Related equipment

<p><b>SA-K46</b> RS-232C interface board</p>	<p><b>RM-G30U</b> Remote control unit (Cable length: 2 m)</p>	<p><b>RM-G800</b> JVC bus editing controller</p>	<p><b>RM-G820</b> RS-422A editing controller</p>	<p><b>GY-DV300</b> 1/3" 3-CDD DV camcorder</p>	<p><b>VC-G9050U</b> 9-pin remote cable</p> <p><b>VC-G30U</b> Y/C cable (4p-4p, 3 m)</p> <p><b>VC-G50U</b> Y/C cable (4p-4p, 5 m)</p>
<p><b>M-DV63PRO</b> <b>M-DV60ME</b> <b>M-DV30ME</b> MiniDV tapes</p> <p><b>M-DV12CL</b> MiniDV cleaning tape</p>	<p><b>LA-DV276PRO</b> <b>LA-DV186PRO</b> <b>LA-DV124PRO</b> Standard DV tapes</p>	<p><b>Network board SA-DV6000</b> Network pack with streaming software</p> <p><b>SA-X61</b> Audio XLR input</p> <p><b>SA-X62</b> Audio XLR output</p> <p><small>*The SA-DV6000, SA-X61 and SA-X62 cannot be used at the same time. Choose one from these three boards.</small></p>	<p><b>Dimensions</b></p> <p>Unit: mm/inches</p> <p>Front view width: 212 (8-3/8")</p> <p>Top view width: 327 (12-7/8")</p> <p>Height: 88 (3-1/2")</p>		

## Specifications

**General**  
 Power requirements: DC 12 V (from provided 12 V, 5 A AC adapter)  
 Power consumption: Approx. 38 W  
 Dimensions: 212 (W) x 88 (H) x 327 (D) mm (8-3/8" x 3-1/2" x 12-7/8")  
 Weight: Approx. 4.5 kg (9.9 lbs.)  
**Temperature**  
 Operating: 5°C to 40°C (41°F to 104°F)  
 Storage: -20°C to 60°C (-4°F to 140°F)  
**Humidity**  
 Operating: 30% to 80% RH  
 Storage: 85% RH or less  
 Format: DV format (SP mode only. Not compatible with the LP mode.)  
 Signal format: NTSC/PAL  
 Usable tape: Standard/Mini DV tape  
 Tape width: 6.35 mm  
 Tape speed: 18.812 mm/s (NTSC)/18.831 mm/s (PAL)  
 Record/play time: 276 minutes (with LA-DV276PRO tape), 63 minutes (with an M-DV63 tape)

**[Video]**  
 Video signal recording format: 8-bit, 13.5 MHz, 4:1:1 (NTSC)/4:2:0 (PAL)  
**Video inputs (BNC)**  
 Analog composite: 1.0 V (p-p), 75 ohms  
 Analog Y/C: Y: 1.0 V (p-p), 75 ohms  
 C: 0.286 V (NTSC)/0.3 V (PAL) (p-p), 75 ohms  
 Analog component (BNC): Y: 1.0 V (p-p), 75 ohms  
 R-Y/B-Y: 0.7 V (p-p), 75 ohms  
 External sync input: 0.3 V (p-p), 75 ohms  
**Video outputs**  
 Analog composite: 1.0 V (p-p), 75 ohms  
 Analog Y/C: Y: 1.0 V (p-p), 75 ohms  
 C: 0.286 V (NTSC)/0.3 V (PAL) (p-p), 75 ohms  
 Analog component (BNC): Y: 1.0 V (p-p), 75 ohms  
 R-Y/B-Y: 0.7 V (p-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 (16 bits)  
**Audio inputs**  
 Line: -8 dBs, 50 kohms, unbalanced (RCA)  
 Mic: -60 dBs, 600 ohms, unbalanced (mini jack)  
**Audio outputs**  
 Line: -8 dBs, 1 k-ohm, unbalanced (RCA)  
 Monitor: -8 dBs, 1 kohm, unbalanced (RCA)  
 Headphone: Stereo, unbalanced (mini jack)

**[Time code]**  
 Input: 0 dBs ± 3 dBs, low impedance  
 Output: 0 dBs ± 3 dBs, low impedance

**[Connectors]**  
 IEEE 1394 interface: 4-pin  
 RS-422 interface: D-sub 9-pin  
 JVC bus connector: DIN 12-pin

**[Accessories]**  
 AC adapter x 1  
 AC cable x 1

