

**JVC**

The Perfect Experience / —

PROFESSIONAL DV

PROFESSIONAL DV

# Stay Ahead of the Curve — JVC Professional DV Products Put You At The Forefront Of Video Technology

Today's video production environment is changing at an unprecedented rate as rapidly evolving technologies transform everything from image acquisition to distribution.

And JVC has been there every step of the way.

Our full line of Professional DV products offer a wide range of capabilities designed to meet the diverse needs of today's video professionals.

Ranging from full-featured professional camcorders like the popular GY-DV550 and the streaming-capable GY-DV300 to the Standard DV/Mini DV-compatible GY-DV5000/BR-DV6000/BR-DV3000, JVC's Professional DV products have established a reputation for cost-effective, cutting-edge performance. Now JVC is expanding that powerful lineup with exciting new products like the DR-DV5000, a hard disk recorder incorporating DTE technology developed for use with the GY-DV5000 DV camcorder.

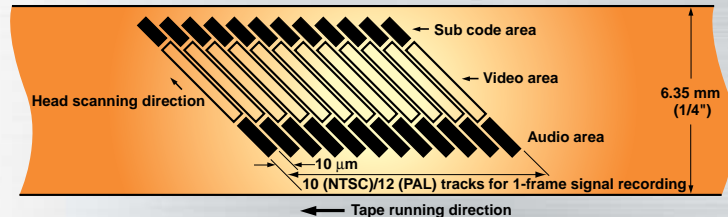
**JVC Professional DV.**  
Meeting tomorrow's needs today.

## Professional digital (25 Mbps) quality

The Professional DV format uses 4:1:1(NTSC)/4:2:0 (PAL) sampling at 25 Mbps — the same rate as the DVCAM. This means that you can count on getting the high-quality, non-degradable images you need for top results in post-production editing. That superior picture quality is complemented by outstanding PCM digital 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.

\* Audio lock is only available with the GY-DV550/GY-DV5000/BR-DV3000/BR-DV6000.

NTSC	4:1:1
PAL	4:2:0
Sampling	25 Mbps



### Standard DV/Mini DV recording system

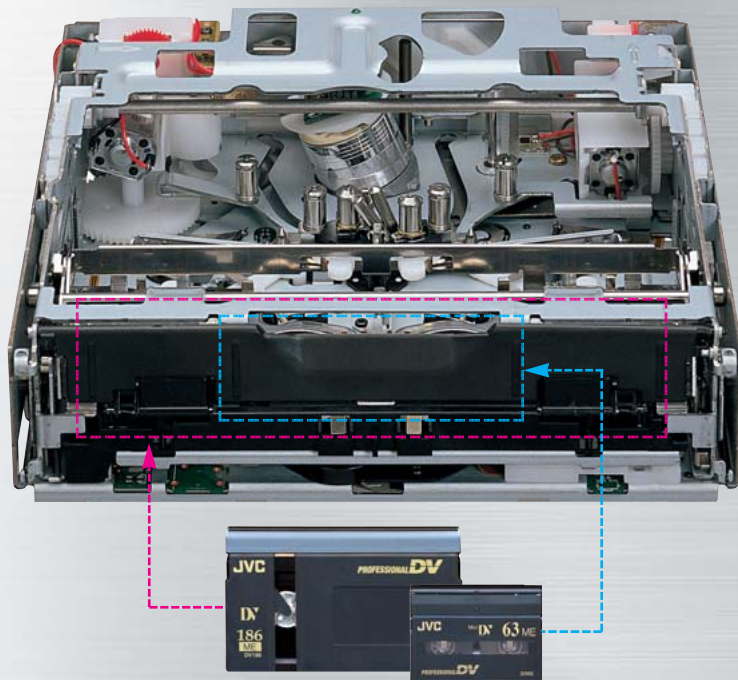
Up to 276 minutes\* (4 hrs. 36 min.) of high-quality 8-bit, 13.5 MHz 4:1:1(NTSC)/ 4:2:0 (PAL) DV component digital images can be recorded on a standard DV tape, while up to 63 minutes\*\* of recording is possible on Mini DV tapes. In either case, you know you'll be getting the high-quality, non-degradable 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.

## Highly durable and responsive Standard DV/Mini DV-compatible mechanism for accurate linear editing

With the BR-DV6000,  $\pm 0$  frame editing accuracy is achieved thanks to the capstan bump function. Excellent jog/cue-up responsiveness equal to a broadcast VTR makes operation much easier and reduces operator stress.

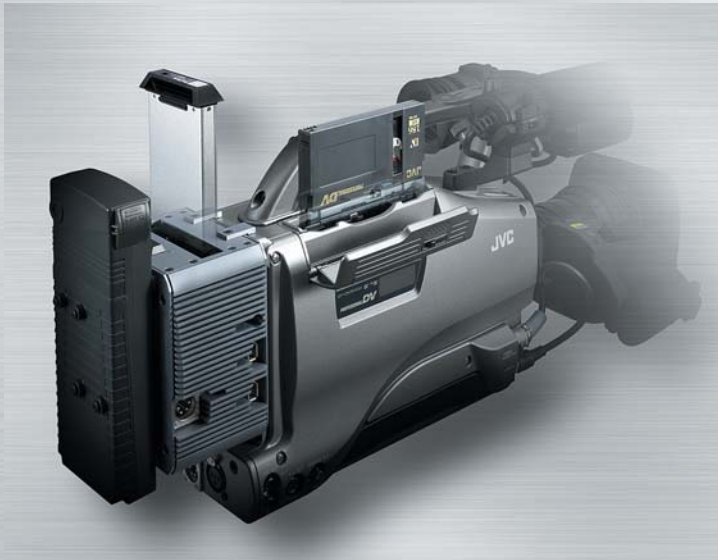


### Newly developed Standard DV/Mini DV compatible mechanism

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.

\* Standard DV/Mini DV compatible mechanism is provided only with the GY-DV5000/BR-DV3000/BR-DV6000.

# Professional DV Advantages



## Connects Directly to Your Full-Size Professional DV Camcorder

The DR-DV5000 has been designed specifically to connect to your GY-DV5000. The DR-DV5000 module sits between the rear of the camcorder and the battery and connects to the GY-DV5000. A single battery is capable of powering the camcorder, the DR-DV5000 module, and a FireWire disk drive. Data is exchanged between the GY-DV5000 and DR-DV5000 via a 52-pin connector that transfers video, audio and timecode control information. DR-DV5000 video, audio and timecode data can be checked on the GY-DV5000's viewfinder or LCD monitor.

## Excellent compatibility with various non-linear systems

Comprehensive compatibility tests performed not only by JVC, but other manufacturers as well, have confirmed that JVC's Professional DV products are fully compatible with a wide range of non-linear systems, ensuring seamless integration and operation

## Hybrid tape/HDD acquisition system

Straight to disk recording can really streamline the production and editing process. With the DR-DV5000 removable hard disk recorder mounted on the GY-DV5000 DV camcorder, you can record high-quality computer-ready pictures straight to disk, while simultaneously recording the same images on low-cost tape. The result is unprecedented versatility and enhanced productivity.

### Hybrid tape/HDD acquisition system



### Various non-linear systems

Apple

matrox

Avid

canopus

Casablanca.tv

PINNACLE  
SYSTEMS

DPS

Note: Casablanca and DPS products are not compatible with DTE technology.

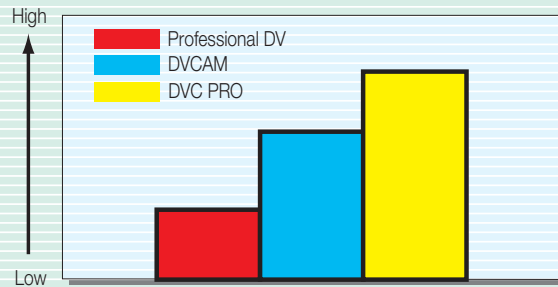
# Professional DV Advantages

## Low running cost

By using the readily available and inexpensive Mini DV tapes, JVC Professional DV products cost much less to run than more specialized systems. Standard DV tapes provide long recording times for extended shooting, while Mini DV offers excellent economy, portability and convenience.



## Tape cost



### Comparison with other tapes

The Professional DV tape cost is obviously low.

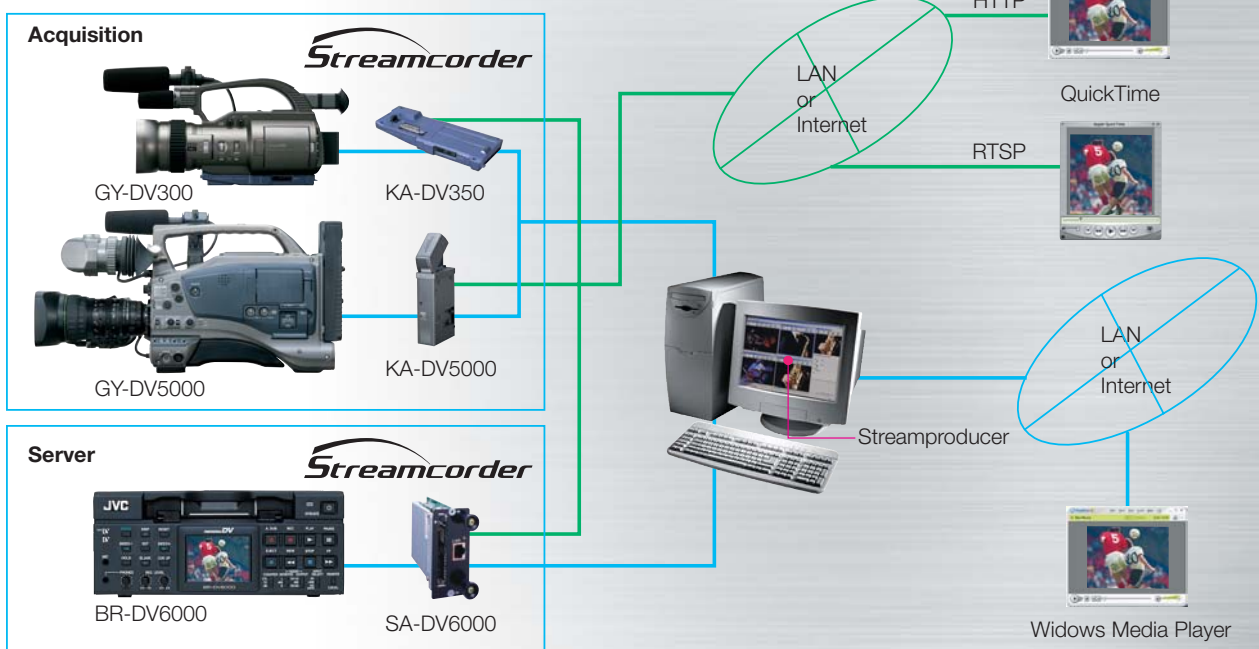
## Network connectivity

To meet fast-growing demand for content production in the broadband market, optional network boards are available for the GY-DV300/ GY-DV5000/BR-DV6000 to allow direct connection to various networks. On-board encoding makes it possible to distribute high-quality original pictures over the network in real time. QuickTime Player is also possible for viewing streaming picture.



### Streamproducer

- Displays images from camcorder/recorder
- Saves ASF files from the camcorder/recorder to a PC
- Plays back ASF files
- Streams ASF files from the camcorder/recorder to the Internet
- Switches up to four sources (camcorders/recorders and/or stored data) for streaming (HTTP streaming without Streamproducer is also possible. In this case, streamed data can be played back with Windows Media Player.)



**GY-DV5000U (NTSC)** 1/2" 3-CCD DV Camcorder (DV input/output)  
**GY-DV5000E (PAL)** 1/2" 3-CCD DV Camcorder (DV output only)  
**GY-DV5001E (PAL)** 1/2" 3-CCD DV Camcorder (DV input/output)

*Streamcorder*



**High-performance Standard DV/Mini DV camcorder with three 1/2-inch CCDs, 12-bit ADC/24-bit DSP, optional streaming capability, and FireStore for JVC.**

## 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 24-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

### 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.

### 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.



Normal



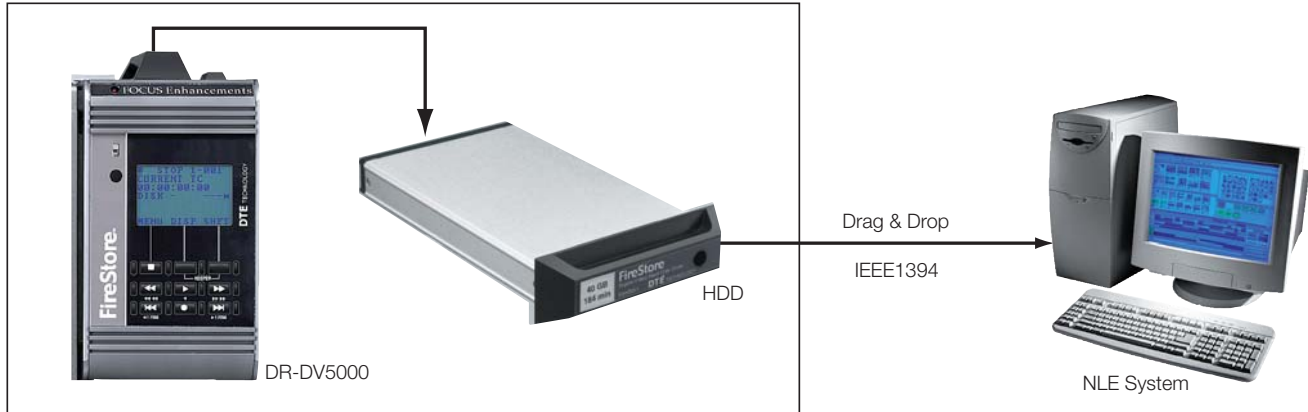
Wide dynamic range

### 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.





**Hard disk recorder with FireStore for JVC (DTE\* technology) to increase productivity in non-linear editing**

\* Direct to Edit

## Professional specifications

### Connects Directly to Full-Size Professional DV Camcorder

DR-DV5000 has been designed specifically to connect to your GY-DV5000U/GY-DV5001E. The DR-DV5000 module sits between the rear of the camcorder and the battery. One battery will power the camcorder, the DR-DV5000 module and a FireWire disk drive. Interface between the GY-DV5000U/GY-DV5001E and DR-DV5000 is done via a 52-pin connector which passes video, audio, timecode control information.

### Flexible Disk Drive Options

Use DR-DV5000's specifically engineered, shock protected mini drives that fit directly into the drive slot on the unit. Because DR-DV5000 uses removable drives, it is possible to simply swap out drives so the editor can get to work sooner while the camera operator continues to shoot. This solution gives you up to 80GB of disk space per drive in an enclosure only .47" thick. Internal buffer memory and shock proofing on specific DR-DV5000 drives ensures worry free operation. Alternatively, use virtually any FireWire disk drive connected to DR-DV5000 via a standard 6-pin to 6-pin FireWire cable.

### Compatible with Popular DV NLE Applications

DTE technology means DR-DV5000 files are recorded in your NLE's native file format. This means no file transfer, no capturing, no rendering. Use DR-DV5000 recorded files instantly with the most popular applications from Adobe, Apple, Avid, Canopus, Matrox, Pinnacle, Sonic Foundry and much more! As new application support is released, you can simply update your DR-DV5000 in the field with new system software.

### Integrates With Your Professional DV Camcorder Operation

When using the GY-DV5000U/GY-DV5001E, it is possible to

control record and record pause of DR-DV5000 from your camcorder. Timecode generated by your camcorder can be recorded to file on the disk using DR-DV5000. And DR-DV5000 status and other information appears in the view finder.

### Long Record Times

Extend your GY-DV5000U/GY-DV5001E's uninterrupted record time by hours. DR-DV5000 will accept up to a 80GB FireWire drive internally. That is over 6 hours of DV video! It is also possible daisy chain up to four external FireWire drives of varying sizes to DR-DV5000 enabling incredibly long record times.

### LCD Display and Playback Modes

DR-DV5000 features a detailed LCD which displays system mode, timecode, and disk space remaining. When using a GY-DV5000U/GY-DV5001E, it is possible to preview clips in the GY-DV5000U/GY-DV5001E's viewfinder or on an external monitor using DR-DV5000's playback mode. Functions include record, play, pause, stop, forward index, back index and multi speed fast forward and rewind.

### Retro Disk/Cache Record and Time Lapse Recording

DR-DV5000 features a retro disk/cache feature where a recording can begin up to eight seconds before the record trigger button is pushed ensuring no action is missed! It is also possible to do user definable time lapse recording for any user specified time.

***\*GY-DV5000(A) version can be used with the DR-DV5000 for proper operation.***

# GY-DV550U (NTSC) GY-DV550E (PAL)

Studio DV 1/2" 3-CCD Camcorder (Mini DV only)

Studio DV 1/2" 3-CCD Camcorder (Mini DV only)



**A versatile DV camcorder with three 1/2" CCDs and a 26-pin interface for broadcast-standard studio and ENG applications.**

## Professional specifications

### State-of-the-art 1/2" 3-CCD image pickup

To ensure the best possible image quality, the GY-DV550 incorporates three 1/2" 410,000 (NTSC)\*470,000 (PAL)\*\* active pixel interline-transfer CCDs. Each CCD is equipped with highly advanced circuitry that virtually eliminates vertical smear when shooting bright lights in a dark room. Lag and image burn are also reduced to indiscernible levels, while high sensitivity of F11 at 2000 lux assures creative flexibility and simplifies lighting requirements.

\*380,000 effective \*\*440,000 effective

### 1/2" 3-CCD DV Camcorder with Full CCU Control



GY-DV550 can be used in a studio environment where multiple remote camera and ISO-Cam operations are required. This interface allows the user to connect a remote controller or external data storage system. In addition, recording on DV benefits customers who use this system either in live broadcast situations, live webcasting, or ENG applications, as well as assignments where

post-production work is required later. Because you can take advantage of its superior picture and sound performance in a studio environment, DV makes it possible to put together a fully digital end-to-end system that's reliable and cost-efficient.



### Ready for EFP remote control (RM-LP57/RM-LP55)

The EFP connects directly to the GY-DV550, giving you the ability to adjust video parameters at any time during the production.

### SMPTE/EBU TC input/output

SMPTE TC connectors are provided, allowing you to synchronize simultaneous shooting with multiple camcorders.

### Genlock input

To meet increasing demand for a digital camcorder that can easily be incorporated in complex production systems, the GY-DV550 is equipped with a genlocking function that includes SC lock to ensure high-resolution pictures.

### AUX input (composite video input)

For added convenience, the genlock input connector doubles as a composite video input, so you can use the GY-DV550 as a standard video recorder. This connector can be used for camera pool applications as well.

### Return video output for TelePrompTer output

The GY-DV550 can display return video signals from the CCU or an external VTR on the viewfinder or TelePrompTer signals from the camera control unit may be output via a BNC connector, assuring full support for studio program production.



### 1/2" bayonet lens mount

The GY-DV550 uses a standard professional 1/2" bayonet lens mount, making it compatible with the widest selection of lenses.

# GY-DV300U (NTSC) GY-DV300E (PAL) GY-DV301E (PAL)

**1/3" 3-CCD DV Camcorder** (DV input/output, Mini DV only)  
**1/3" 3-CCD DV Camcorder** (DV output only, Mini DV only)  
**1/3" 3-CCD DV Camcorder** (DV input/output, Mini DV only)

**Streamcorder**



**Lightweight 1/3" 3-CCD camcorder with 12-bit ADC, 24-bit DSP, 14x zoom lens and optional streaming capability.**

## Professional specifications

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

**3-CCD** To ensure the best possible image quality, the GY-DV300 incorporates three 1/3" 410,000\*(NTSC)/470,000\*\*(PAL) CCDs. Each CCD is equipped with advanced circuitry that virtually eliminates vertical smear when shooting bright lights against a dark background. Video resolution of over 700 TVL exceeds the requirements of today's digital media such as DVD's. \* 380,000 effective \*\* 440,000 effective

### F11 at 2000 lux

The camera's high-sensitivity optical system (F11 at 2000 lux) allows you to easily shoot high-quality images even in extreme low light situations. This powerful feature increases creative flexibility and simplifies lighting requirements.

### Newly-developed 12-bit ADC\* and 24-bit DSP\*\*

The 12-bit ADC allows direct digital input to the DSP without passing through analog pre-gain and pre-knee circuits, eliminating signal degradation. In addition, JVC's new DSP with advanced 24-bit video processing brings out natural details, eliminates spot noise, and accurately reproduces dark areas.

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

### 400% dynamic range

By creating an ultra-smooth gamma curve calculated with a true log scale algorithm, a dynamic range of 400% is obtained, making it possible to accurately reproduce fine details and subtle colors in shadowed and overexposed areas.

### 14x zoom lens

Both auto and manual focus and iris control are available. 14x zoom speed can be varied as required and the large diameter focus ring ensures smooth, accurate focusing, allowing you to shoot the intended images. An optical image stabilizer (inner focus) helps stabilize zoom images.

### LOLUX 2.65 lux (100% video out)

When activated, the LOLUX mode increases sensitivity with almost no increase in noise. LOLUX increases the gain by 16x (+24 dB) so you can capture high-quality video footage with excellent color balance in low-light conditions.

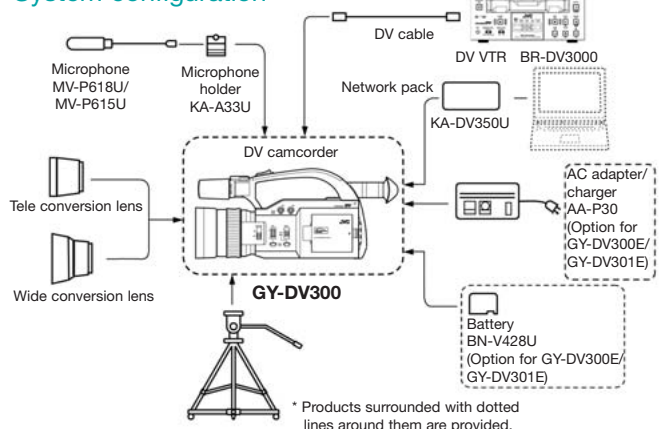


### Varizoom control



The GY-DV300REM\* (come with specialized firmware and the SA-K300 adapter for remote capability can also be used as a studio camera. This enables remote zoom and focus control using Varizoom's VZ-DV300-REM.

### System configuration



**\*USA market only.**

# BR-DV6000U (NTSC) Recorder with Editing Function

# BR-DV6000E (PAL) Recorder with Editing Function

Streamcorder



**Comprehensive digital editing recorder with professional linear editing functions, Standard DV/Mini DV compatibility, systems flexibility, and network connectivity.**

## Professional linear editing system

### RS-422A interface

The BR-DV6000's industry-standard RS-422A interface allows you to transfer DV source material to a variety of formats for editing, as well as permitting operation of the BR-DV6000 from a remote controller.

### ±0 frame accurate editing with capstan bump function

To ensure ±0 frame editing accuracy, a capstan bump function is provided. This can be used to synchronize the player and the recorder with both units controllable via the RS-422A interface.

### Preview function with PB/EE switch at edit point

The BR-DV6000 can execute an editing controller's preview function, enabling you to switch between the PB and EE modes to check pictures at the edit point before editing. When you are using the BR-DV6000 as a recorder, this allows you to check the edit point on the recorder before actual editing.

### 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.

### 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.

### 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.

### 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.

### 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.

### 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.

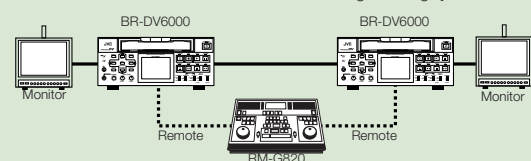
### Closed caption (NTSC only)

A closed caption signal can be recorded and played back through analog interface. (Available for BR-DV6000U(A) version)

## Application

### Simplified digital editing system

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



# BR-DV3000U (NTSC) Compact DV Recorder

# BR-DV3000E (PAL) Compact DV Recorder



***Stylish and compact, this DV recorder features Standard DV/Mini DV compatibility and various interfaces ideal for archiving and non-linear spooling.***

## 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.

### 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.



### 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

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.

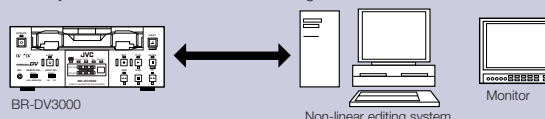
### Closed caption (NTSC only)

A closed caption signal can be recorded and played back through analog interface. (Available for BR-DV3000U(A) version)

## 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.



# SR-VS30U (NTSC) SR-VS30E (PAL)

MiniDV / Super VHS Hi-Fi Stereo Video Cassette Recorder

MiniDV / Super VHS Hi-Fi Stereo Video Cassette Recorder



SR-VS30U

SR-VS30E

**Superior picture quality and dual-format design make this deck an excellent choice for NLE systems**

## Professional dual-format non-linear editing system

### Easy PC Connectivity and enhanced Non-Linear Editing Compatibility (MiniDV/S-VHS/VHS↔PC)

Simplifies getting your video footage to your PC for non-linear editing (NLE) when you have finished editing, getting the final result back to video, whether MiniDV or Super VHS/VHS, is equally easy. i.Link (IEEE 1394 compliant) connectivity and tested compatibility with many major NLE systems will put your editing suite into the digital age.

Note: An i.LINK connection to a VHS VCR, only enables video and audio transmission. The VHS VCR cannot be controlled from the PC.

### DV Format (using MiniDV cassettes)

The MiniDV deck allows direct playback of cassettes which you have recorded on a MiniDV tape, without any cables to connect. The SR-VS30U/SR-VS30E allows you to play back DVCAM recordings. DVCAM recordings can be used as source material in the MiniDV side of this deck. The SR-VS30U/SR-VS30E will play back DVCAM tapes shot on the small DVCAM cassette. You can connect a MiniDV camcorder or deck to the SR-VS30U/SR-VS30E and make DV-to-DV edits of your footage. This seamless editing feature will help preserve the quality you have come to expect from digital video and Professional DV.

### One-Touch Dubbing (DV↔S-VHS/VHS)

If you just want a straight dub and are short on time, just let the SR-VS30U/SR-VS30E dub the contents of the MiniDV tape over to S-VHS/VHS, or vice versa, at the touch of a single button.

### 64-Program "EasyEdit" (MiniDV→S-VHS/VHS)

"EasyEdit" with Random Assemble Editing lets you choose up to 8 segments at a time on the MiniDV tape, and at the touch of a button they are automatically copied over to S-VHS/VHS. And since up to 8 preset programs can be stored in memory, this function lets you keep the information of 64 segments (8 x 8) in the deck to make additional copies by simply calling up the program number.

### Simultaneous Recording

The SR-VS30U/SR-VS30E can simultaneously record DV input signals or external input signals on the DV and S-VHS decks.

### High Resolution Super VHS Images

This high-band analog recording technology delivers more than 400 lines of horizontal resolution (60% more than conventional video) for quality that approaches digital. And like MiniDV, Super VHS recordings look great when viewed on the high-resolution large-screen TVs that are becoming increasingly popular. Being an extension of the VHS video format, Super VHS allows recording and playback of conventional VHS as well, giving you the choice of dubbing from MiniDV to S-VHS for maximum quality, or from MiniDV to VHS for wider distribution.

### Super VHS ET Recording\*

Super VHS ET (Expansion Technology) allows the broadbandwidth Super VHS signal to be recorded on widely available VHS tapes (high grade recommended).\*\* So you can easily enjoy +60% better picture quality at the touch of a button.

\* Only SP mode recording and playback is available for Super VHS ET.

\*\* There are some S-VHS VCR models by JVC and other manufacturers with which playback of an S-VHS ET recorded tape is not possible.

### DigiPure Technology

JVC's exclusive digital technologies maximize Super VHS benefits by reproducing vivid colors most realistically, and offering crisp rendition of image contours.

- Digital Wide TBC (Time Base Corrector)
- 3-Dimensional Digital Circuit with 2 MB Frame Memory to make the following possible.
  - Precision 3-D Color Circuit for clearer color separation.
  - Digital 3-D YNR/CNR to improve S/N ratio.
  - Digital 3R Picture System to enhance detail.

# Network Connectivity

**KA-DV5000**

**SA-DV6000**

**KA-DV350**

**Network Pack**

**Network Board**

**Network Pack**



KA-DV5000



SA-DV6000



KA-DV350

**From realtime MPEG4 streaming on the web to remote camera setting and remote movie scanning, network connectivity is the key to unlocking the full potential of digital video.**

## Network solution

### Network Pack

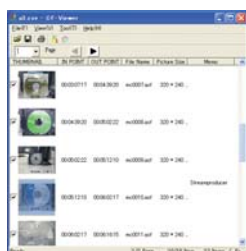
When the KA-DV5000 and KA-DV350 network pack with a network card inserted is connected to the GY-DV5000 or GY-DV300, the GY-DV5000 and GY-DV300 can connect to a PC via a wired/wireless LAN.

This configuration enables the followings:

1. All images and sound captured with the GY-DV5000 or GY-DV300 can be streamed as MPEG4 files in real time. Data rate can be adjusted 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 and GY-DV300 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.

### CF viewer/EDL maker\* (KA-DV5000/KA-DV350)



MPEG-4 files are recorded simultaneously on a CF card and a DV tape. This makes it easy to check or preview recorded material by displaying thumbnail pictures on a computer screen. For smoother, quicker and more efficient editing, EDL maker can be used for auto EDL capturing.

(\*Available for KA-DV5000 or KA-DV350 in conjunction with GY-DV300REM; GY-DV300REM is USA market only.)

### Network Pack Specifications

File system:	ASF streaming/ASF file
Video compression system:	MPEG4 realtime (SP)
Sound compression system:	G. 726 realtime (WMP) $\mu$ law (QT)
Image size:	QVGA (320 x 240), QQVGA (160 x 120)
Bite rate:	Modem (56 kbps), DSL/ISDN (low) 128 kbps, DSL/ISDN (high) 256 kbps, TI/Cable (low) 354 kbps, TI/CCable (high) Max.
Audio rate:	Off, 16k, 24k, 32k, 40k
Maximum frame rate:	QQVA 30F (NTSC)/25F (PAL)
PC card slot:	Compatible with wired/wireless LAN card and CF card
Streaming:	ASF streaming with wired/wireless LAN card
Capturing:	ASF file with CF card
Setup via network:	Network setup, port setup, encoding parameters, camera control
Viewer/capture:	Streamproducer, Streamcapture
VTR control via network:	REC/PLAY/PAUSE/STOP/FF/REW

For details on compatible LAN cards, consult your JVC dealer.

### SA-DV6000\*\* Network board for additional unique features Realtime MPEG4 streaming capability

With the SA-DV6000 network board installed in the BR-DV6000, you can connect directly to your LAN via cable. Add a wireless PCMCIA card and you can connect to any IEEE802.11b enabled network. 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.

(\*Available for BR-DV6000(A) version)



### 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.

# Options and Related Equipment

## CAMCORDER OPTIONS

### 1.5" Viewfinder



■ **VF-P115B**  
GY-DV5000/GY-DV550

### 1.5" Viewfinder



■ **VF-P116**  
GY-DV5000/GY-DV550

### 4" Viewfinder



■ **VF-P400\***  
GY-DV5000/GY-DV550  
*\*For attachment, the KA-A40 adapter is required.*

### Lens



■ **S14x7.3B12**  
■ **S20x6.4B12**  
GY-DV5000/GY-DV550

### Lens



■ **YH16x7K12**  
■ **YH19x6.7K12**  
GY-DV5000/GY-DV550

### AC adapter



■ **AA-P250**  
GY-DV5000/GY-DV550

### AC adapter/Battery charger



■ **AA-P30**  
GY-DV300

### Lithium-ion battery



■ **BN-V428**  
GY-DV300

### Microphone



■ **MV-P615**  
■ **MV-P618**  
GY-DV5000/GY-DV550/GY-DV300

### Microphone holder



■ **KA-A50**  
GY-DV5000/GY-DV550  
■ **KA-A33**  
GY-DV300

### TP-P300

Tripod  
GY-DV5000/GY-DV550

### TP-P205

Dolly  
GY-DV5000/GY-DV550

### Manual focus control



■ **HZ-FM13\*\*** (Fujinon)  
■ **HZ-FM15** (Canon)  
GY-DV5000/GY-DV550  
*\*\*The HZ-FM13 cannot be used for S14 lens..*

### Manual zoom control



■ **HZ-ZS13B**  
GY-DV5000/GY-DV550

### Camera remote controller



■ **RM-P210**  
GY-DV550

### Camera remote controller



■ **RM-LP55**  
■ **RM-LP57**  
GY-DV550

## COMMERCIALLY AVAILABLE OPTIONS

### FROM VARIZOOM

#### Camera control



■ **VZ-DV300-REM**  
GY-DV300

### FROM ANTON BAUER

#### Lithium-ion battery



■ **DIONIC 90**  
GY-DV5000/GY-DV550

#### Battery charger



■ **TITAN 70**  
GY-DV5000/GY-DV550

#### Light



■ **UL2-20**  
GY-DV5000/GY-DV550

#### Camera support



■ **STASIS**  
GY-DV300

### FROM IDX

#### Lithium-ion battery



■ **NP-L50**  
GY-DV5000/GY-DV550

#### AC adapter/Battery charger



■ **JL-2PLUS**  
GY-DV5000/GY-DV550

#### Battery holder



■ **NH-202**  
GY-DV5000/GY-DV550

#### Battery holder



■ **NC-1**  
GY-DV300

#### Light



■ **X-LITE**  
GY-DV5000/GY-DV550

● To use DIONIC 90/TITAN 70, QR-JVC-AUTO bracket is required.

## VTR RELATED

### Audio input board



■ **SA-X61**  
BR-DV6000

### Audiooutput board



■ **SA-X62**  
BR-DV6000

### RS-232C interface board



■ **SA-K46**  
BR-DV6000

### Remote controller



■ **RM-G30**  
BR-DV6000/BR-DV3000

### Editing remote controller



■ **RM-G820**  
BR-DV6000/BR-DV3000

### Editing remote controller



■ **RM-G800**  
BR-DV6000

● The SA-X61 and SA-X62 cannot be used at the same time. Choose one from three boards including SA-DV6000.

## CABLES

- **VC-VDV204** (4p-4p, 2 m)
- **VC-VDV206** (4p-6p, 2 m)
- **VC-G9050**  
9-pin remote cable
- **VC-G30** (4p-4p, 3 m)
- **VC-G50** (4p-4p, 5 m)
- Y/C cable

## DV TAPES

- **M-DV63PRO**
- **M-DV60ME**
- **M-DV30ME**  
MiniDV tapes
- **M-DV12CL**  
MiniDV cleaning tape



- **LA-DV276PRO**
- **LA-DV186PRO**
- **LA-DV124PRO**  
Standard DV tapes



# Specifications

## DV camcorders

	GY-DV5000	GY-DV550	GY-DV300
<b>GENERAL</b>			
Power requirement	DC 10.5 V to 17 V	←	DC 7.2 V to 12 V
Power consumption	Approx. 20 W (in the Record mode)	Approx. 20 W (w/o viewfinder)	Approx. 10 W (in the Record mode)
Dimensions (WHD)	364 x 249 x 121 mm (14-3/8" x 9-13/16" x 4-13/16")	336 x 245.5 x 124 mm (13-1/4" x 9-11/16" x 4-15/16")	357 x 159 x 130 mm (14-1/16" x 6-5/16" x 5-1/8")
Weight	5.5 kg (12 lbs.) (including viewfinder, battery, microphone and tape)	5.8 kg (12.8 lbs.) (main unit only)	1.4 kg (3.1 lbs.) ) (without battery)
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	←	←
<b>CAMERA SECTION</b>			
Image pickup device	1/2" interline-transfer CCDs	←	1/3" interline-transfer CCDs
Color separation optical system	F1.4, 3-color separation prism	←	F1.6, 3-color separation prism
Number of pixels			
Total	410,000 (NTSC)/470,000 (PAL)	←	←
Effective	380,000 (NTSC)/440,000 (PAL)	←	←
Color bars	SMPTe or EBU type	←	←
Sync system	Internal sync (built-in SSG)	Internal sync, external sync (VBS)	Internal sync (built-in SSG)
Lens mount	1/2" bayonet system	←	←
Optical filter	3200K, 5600K, 5600K+ 1/8ND, 5600K+1/64ND	3200K, 5600K+1/8ND, 5600K+1/64ND	1/32ND
Sensitivity	F13, 2000 lx	F11, 2000 lx	←
Maximum illumination	0.2 lx with F1.4 LOLUX	0.75 lx with F1.4 LOLUX	2.65 lx with F1.6 LOLUX (100% output)
Horizontal resolution	800 lines	750 lines	700 lines
S/N	Effective 62 dB (camera head, no output: NTSC) Effective 60 dB (camera head, no output: PAL)	62 dB(NTSC) (available through 26-pin) 60dB (PAL) (available through 26-pin)	←
Gain	-3, 0, 6, 9, 12, 15, 18 dB, variable gain (0.2 dB-step) in ALC and LOLUX	-3, 0, 6, 9, 12, 18 dB, variable gain in ALC and LOLUX	-3 to18 dB (1 dB-step), variable gain (0.2 dB-step) in ALC and LOLUX (24 dB)
Electronic shutter	Standard value: 59.94 Hz (NTSC)/50 Hz (PAL) Fixed values: 7.5, 15, 30, 100, 250, 500, 1,000, 2,000, 4,000, 10,000 Hz (NTSC)/6.75, 12.5, 25, 120, 250, 500, 1,000, 2,000, 4,000, 10,000 Hz (PAL)	Standard value: 59.94 Hz (NTSC)/50 Hz (PAL) Fixed values:100, 250, 500, 1,000, 2,000 Hz (NTSC)/ 120, 250,500, 1,000, 2,000 Hz (PAL)	←
Variable scan	60.1 to 2,084.6 Hz (NTSC)/ 50.1 to 2,067.8 Hz (PAL)	←	←
<b>VTR SECTION</b>			
<b>FORMAT</b>			
Signal format	DV format, 4:1:1 (NTSC)/ 4:2:0 (PAL)	←	←
Usable tape	NTSC or PAL	←	←
Tape speed	Standard/Mini DV tape	Mini DV tape	←
Record/play time	18.812 mm/sec (NTSC)/ 18.831 mm/sec (PAL) 276 minutes (with LA-DV276PRO tape), 63 minutes (with M-DV63 tape)	←	←
63 minutes	←	63 minutes (with M-DV63 tape)	←
<b>VIDEO</b>			
Recording format	8-bit, 13.5 MHz, 4:1:1 (NTSC)/ 4:2:0 (PAL) component recording	←	←
<b>AUDIO</b>			
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)	←	←
<b>CONNECTORS</b>			
Video output	1.0 V (p-p), 75 ohms, unbalanced (BNC) (composite video signal)	←	←
Y/C output	Y: 1.0 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)	Mic: -60 dBs, 3 kohms, balanced (XLR), +48 V output for phantom power supply Line: +4dBs, 10 kohms, balanced (XLR)	Mic: -55 dBs, 3 kohms, balanced (XLR), +48 V output for phantom power supply
Audio outputs	-6 dBs, low impedance, unbalanced (RCA)	-6 dBs, low impedance, unbalanced (RCA)	-8 dBs, low impedance, unbalanced (RCA)
Earphone jack	-60 dBs to -17 dBs, 8-ohm (stereo sound ) mini-jack	-60 dBs to -17 dBs, 8-ohm (monaural sound) mini-jack	-60 dBs to -28 dBs, 8-ohm (monaural sound) mini-jack
DV connector	4-pin	←	←
<b>ACCESSORIES</b>			
	Microphone x 1, Tripod base x 1	←	BN-V428U battery x 1, AA-P30U AC adapter/ charger x 1 (GY-DV300U)

## DV recorders

	BR-DV6000	BR-DV3000	SR-VS30
<b>GENERAL</b>			
Power requirement	DC 12 V (from provided 12 V, 5 A AC adapter)	DC 12 V (from provided 12 V, 3.5 A AC adapter)	AC 120 V, 60 Hz (NTSC)/ AC 220 — 240 V, 50/60 Hz (PAL)
Power consumption	Approx. 38 W	Approx. 14 W	Approx. 35 W (NTSC)/31W (PAL)
Dimensions (WHD)	212 x 88 x 327 mm (8-3/8" x 3-1/2" x 12-7/8")	174 x 68 x 260 mm (6-7/8" x 2-11/16" x 10-1/4")	435 x 106 x 380 mm (17-3/16" x 4-3/16" x 15")
Weight	Approx. 4.5kg (9.9 lbs.)	2.5 kg (5.5 lbs.)	5.1 kg (11.2 lbs.)
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	←	←
Format	DV format (SP mode only, Not compatible with the LP mode)	←	DV format (SP/LP)/ S-VHS/VHS NTSC/PAL standard
Signal format	NTSC or PAL	←	←
Usable tape	Standard/Mini DV tape	←	Mini DV tape
Tape width	6.35 mm	←	← (DV)
Tape speed	18.812 mm/sec (NTSC)/ 18.831 mm/sec (PAL)	←	← (DV)
Record/play time	276 minutes (with LA-DV276PRO tape), 63 minutes (with M-DV63 tape)	←	80(SP)/120(LP) min. (with M-DV80ME tape) 210(SP)/630(EP) min. (with T-210 tape:NTSC) 240(SP)/480(LP) min. (with E-240 tape:PAL)
<b>VIDEO</b>			
Video signal	8-bit, 13.5 MHz, 4:1:1 (NTSC)/4:2:0 (PAL)	←	←
Video inputs	Analog composite(BNC): 1.0 V (p-p), 75 ohms Analog Y/C(4-pin): 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	Analog composite(RCA): 1.0 V (p-p), 75 ohms Analog Y/C(4-pin): Y: 1.0 V (p-p), 75 ohms C: 0.286 V (NTSC)/ 0.3 V (PAL) (p-p), 75 ohms	Analog composite: RCA x 2 (NTSC)/ RCA x 1/21-pin x 1 (PAL) Analog Y/C: 4-pin x 2 (NTSC) 4-pin x 1 (PAL)
Video outputs	Analog composite(BNC): 1.0 V (p-p), 75 ohms Analog Y/C(4-pin): 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	Analog composite(RCA): 1.0 V (p-p), 75 ohms Analog Y/C(4-pin): Y: 1.0 V (p-p), 75 ohms C: 0.286 V (NTSC)/ 0.3 V (PAL) (p-p), 75 ohms	Analog composite: RCA x 2 (NTSC)/21-pin1(PAL) Analog Y/C: 4-pin x 2 (NTSC) 4-pin x 1 (PAL)
<b>AUDIO</b>			
Audio signal	16-bit, 48 kHz for two channels or 12-bit, 32 kHz PCM for four channels	←	← (DV)
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)	←	Line: RCAx2 (NTSC)/ RCA x 1/21-pin x 1 (PAL)
Audio outputs	Line: -8 dBs, 1 kohm, unbalanced (RCA)	←	Line: RCA x 2 (NTSC)/ RCA x 1/21-pin x 1 (PAL)
Monitor	-8 dBs, 1 kohm, unbalanced (RCA)	←	←
Headphone	Stereo, unbalanced (mini-jack)	←	←
<b>TIME CODE</b>			
Input	0 dBs ±6 dBs, high impedance	←	←
Output	0 dBs ±6 dBs, ow impedance	←	←
<b>CONNECTORS</b>			
IEEE 1394 interface	4-pin	←	←
RS-422 interface	D-sub 9-pin	←	←
JC bus connector	DIN 12-pin	←	←
<b>ACCESSORIES</b>			
	AC adapter x 1, AC cable x 1	Wireless remote control unit x 1, AC adapter x 1, AC cable x 1, stand x 1	SCART RCA in/out conversion cable (PAL), RF cable (F-type), BNC/RCA Adapter x 2, audio/video cable, S-video cable (4-pin), infrared remote control unit, "R-6" battery x 2, satellite controller

**PROFESSIONAL DV**

True plug-and-play video production



AVI TYPE 1&2  
CANOPUS AVI  
MATROX AVI  
QUICKTIME  
OMF

HDD Recording Module  
DR-DV5000

1/2" 3-CCD DV Camcorder  
GY-DV5000 DX™-DX™ S-Stream™ order

**Removable FireStore-for-JVC hard drive gives you unprecedented imaging flexibility**  
Simultaneous recording on Standard/Mini DV tape and on hard disk with DTE edit-ready format

#### PRODUCT LINEUP

##### DIGITAL ACQUISITION SYSTEM

1/2" 3-CCD DV Camcorder

GY-DV550



1/2" 3-CCD DV Camcorder

GY-DV300



##### DIGITAL EDITING SYSTEM

DV Recorder/Player

BR-DV6000



DV Recorder/Player

BR-DV3000



MiniDV / Super VHS Hi-Fi Stereo VCR

SR-VS30



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