

JVC®

JVC GR-DV3000

HIGH-BAND DIGITAL VIDEO CAMERA



F1.2
Aspherical Lens

1.33
MegaPixel CCD





Birth of a New Generation





The precision optics that let you capture your target with the optimum quality. The digital technology that transfers that quality to excellent videos and stills. And the digital savvy to go beyond, so your creativity can take wing, all over the world via the Internet. A new generation emerges from a pure and simple concept. Quality captured, transferred along every step of the way, to your final result. The GR-DV3000 from JVC. The generation of quality.



MultiMediaCard





F1.2 Aspherical Super Bright Lens for High-Quality Images

Through its bright F1.2 aspherical lens, the camera is able to obtain twice the light of an F1.8 lens, for high quality videos and excellent digital stills. By use of an all-glass lens, high contrast images with low color distortion are attained. High-quality optics assure superior results even when shooting indoors or in dark environments.

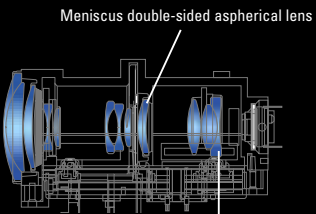


Brightness of F1.2 Lens* Brightness of F1.8 Lens
*Actual image recorded by GR-DV3000

540 Lines of Resolution with Super High-Band Processor

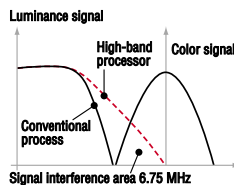
Digital technology expands the camera signal's frequency range to raise the video's horizontal resolution to 540 lines, taking full advantage of the DV format's original high resolution.

Multi-Coated 10-Lens 8-Group Mechanism



Conjugation aspherical lens

Frequency characteristics of CCD output



4 Selectable Image Size Settings

For digital stills* you can choose from 1600 x 1200 pixels** for optimum results when printing, 1280 x 960 and 1024 x 768 geared toward high-resolution computer monitors, and 640 x 480 for convenient email attachments. By use of a Progressive Shutter, the camera is able to capture HG Digital Stills a frame at a time so they have less motion blur and offer 1.5 times the vertical resolution of conventional field stills.

*JPEG file format compliant with DCF (Design Rule for Camera File System).
**Resized image size.

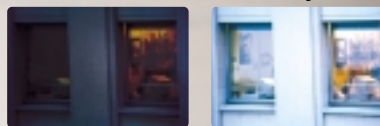
NightAlive for Full-Spectrum Low-Light Shooting

Boosts light sensitivity for a bright picture even in environments with minimal illumination.* And unlike infrared-based systems which turn the image black-and-white and have limitations on their effective distance, NightAlive always gives you full color, whether your subject is close by or far away.

* NightAlive combines digital slow shutter and image processing technology. With rapidly moving subjects, image trails may be displayed.



Images simulated



- **Digital Image Stabilizer** to eliminate camera-shake.
- **PCM Digital Stereo Audio** with 48 kHz (16-bit linear) and 32 kHz (12-bit non-linear) recording.

High-Performance Shooting Power

1.33 Megapixel CCD for Superb Image Quality



The large 1/3.6-inch CCD is packed with 1,330,000 pixels. This high resolution is complemented by the CCD's large image sensing area to assure a maximum light intake for bright results with less noise.



Mini DV NTSC

MiniDV Format

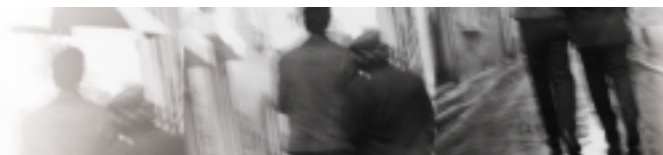
The worldwide standard for digital video cameras, this format's 4:1:1 digital component recording enables over 500 lines of horizontal resolution and breathtaking colors.

Advanced Creativity & Post-Production

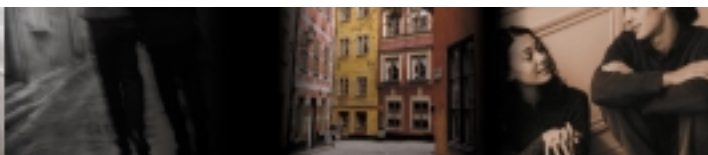
Black & White



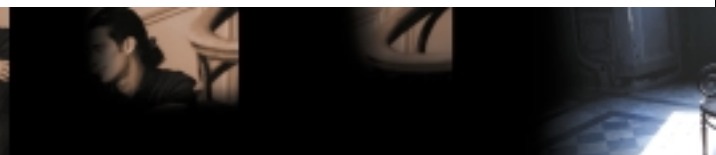
Sepia



White Fader



Black Fader



Corner Wipe



Ergonomic Style & Easy Operation



Real-Touch Manual Focus Ring

Operates just like the focus ring on an SLR camera, letting you fine tune or shift your focusing at will.

Sleek and Streamlined Design

With a slim, streamlined profile, this video camera has the look and feel that serious video enthusiasts will love — and will also help novices shoot better video from day one. While basic operation is comfortably handled by the right hand, secondary operation controls are positioned on the left, encouraging you to cradle the lens barrel with your left hand the way professional photographers use their SLR (single-lens reflex) cameras.

3.5" Color Polycrystalline-Silicon LCD Monitor

The tiltable 3.5" 200,000-pixel polycrystalline-silicon TFT LCD displays a breathtaking high-resolution image you can enjoy while shooting or during your instant replay.

113,000-Pixel Color Viewfinder

A high-resolution viewfinder gives you the scene in full color, for easy aiming with the monitor closed.

Info-Shoe for Various Accessories

This smart interface supplies power and control signals to a variety of optional attachments.



SHOOTING ACCESSORIES (OPTIONAL)

VL-V3

Auto Light
Automatically brightens the scene if existing light is insufficient while you're shooting video.*



VL-F3

Video Flash
For brilliant digital stills and video snapshots with adjustable brightness level.



MZ-V3

Stereo Zoom Mic

Accurately picks up sound corresponding to the picture as you zoom in or zoom out.



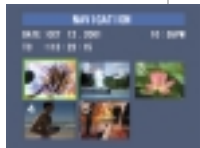
* Manual on/off operation also possible.

• Power Management System

Just pull out the viewfinder or open the LCD monitor, and the camera automatically powers up so you're ready to shoot. Or close the monitor or retract the viewfinder — the power automatically shuts off to save battery power.

• DV Navigation

When you shoot video, an index picture and counter information are stored on the memory card. So to watch your video footage, just call up the navigation screen and choose the scene you want.



Pro-Style Digital Effects

Enjoy a wide selection of pro-style digital effects and scene transitions — most of which can be applied during playback, without affecting the original recording.

Effects

- Black & White ● Sepia ● Classic Film ● Strobe
- Twilight ● Sports ● Snow ● Spotlight ● Backlight
- Slow Shutter ● Variable-Speed Shutter

The availability of some effects depends on the shooting mode.

Wipes & Fades

- White Fader ● Black Fader ● Black & White Fader
- Shutter Wipe* ● Slide Wipe* ● Door Wipe*
- Corner Wipe* ● Window Wipe* ● Scroll Wipe*

*Recording effects can be image-to-image, or image-to/from-black screen.

300x Super Digital Zoom with Spline Interpolation

In addition to 10x optical zoom, you'll have 300x digital zoom magnification. Spline Interpolation technology smoothes image contours to minimize jagged edges.



• Playback Digital Zoom

With the provided remote, you can zoom in (30x) on part of the playback picture to take a closer look.

• Video Snapshot Mode

You can also record freeze-framed still images onto tape, together with a shutter-like "click" sound effect and 6 seconds of live audio, at the touch of a button. A single MiniDV cassette can hold more than 1000 of these "snapshots" (using 80 min. cassette in LP mode).

• Title Superimpose

You can superimpose any of the provided title frames or make your own to insert into video.

• DV Insert Editing and Stereo Audio Dubbing (32 kHz, SP)

DV Insert Editing lets you replace video images without affecting the soundtrack, while Stereo Audio Dubbing allows you to add a new soundtrack without interrupting the flow of the video.

• Digital Wide Mode

Shoot a wider image equivalent to what you'd get with a 0.7x wide conversion lens.

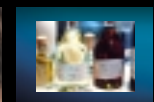
• Random Assemble Editing

Thanks to the on-board microcomputer, you can simply choose up to 8 scenes, and at the touch of a button, they're automatically edited over to a connected VCR. You can even add effects and scene transitions during the edits.

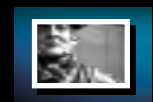
Click!



Full



Frame



Pin-Up



NEGA

Let's take Snapshots on Video!

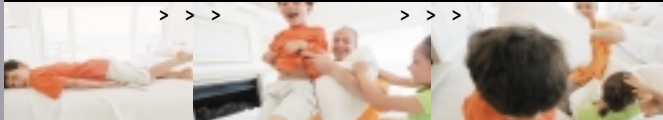
Versatile Internet Communication

MPEG-4 Email Video Clips

You can make MPEG-4 video clips from your recorded video footage or in realtime and send them as email attachments. Choose from 240 x 176 pixels, or 160 x 120 pixels.

Image Size	Consecutive Recording Time*
240 x 176 pixels	Approx. 53 minutes
160 x 120 pixels	Approx. 142 minutes.

*Using blank 128MB SD Memory Card.



Easy conversion to MPEG-4 file.

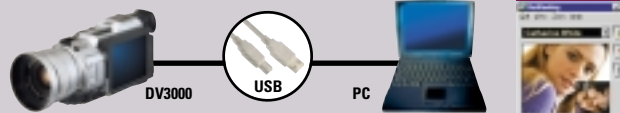


Let's send a Video Email!

Web Camera Function

You can connect the GR-DV3000 to your computer via USB interface and use it just like a Web Camera for your teleconferencing and remote monitoring applications.*

* Using third party software such as Microsoft Netmeeting®. For two-way viewing such as teleconferencing or videophone, there must also be a GR-DV3000 or other Web Camera on the other end.



Let's make a Video Phone!

Digital Sound Effects (MP3 Format)

Be creative and have fun inserting various sound effects (pre-recorded on SD Memory Card and downloadable from JVC's web site) into your video as you record, or even afterwards into scenes you've already recorded.



<http://www.jvc-victor.co.jp/english/download/index-e.html>

Just attach the provided "Jack Box" for a comprehensive interface including USB, S-Video, Edit, and DC in.



Multi Connectivity & Interfacing



SD Memory Card/ MultiMediaCard Compatibility

The GR-DV3000 stores data on SD Memory Card (16MB card provided) or MultiMediaCard. With an optional Floppy Disk Adapter or PC Card Adapter, you can quickly and easily download your pictures directly to a PC. And thanks to DPOF (Digital Print Order Format) support, you can easily specify how many prints of which shots you wish to make on compatible printers.



Speedy Download via USB (Windows®98 and Macintosh®)

The USB interface enables extremely high-speed transfer of digital image data from camera to computer. And with USB Mass Storage Class support, you simply hook up the GR-DV3000 via cable and it will appear on your computer screen as a drive unit.

DV Input/Output (i.Link, IEEE 1394 compliant)

Naturally, this MiniDV video camera is equipped with a DV in/out terminal for fast, lossless DV signal transfer to a computer, as well as for dubbing from/to another DV unit in native DV format.

Analog Input

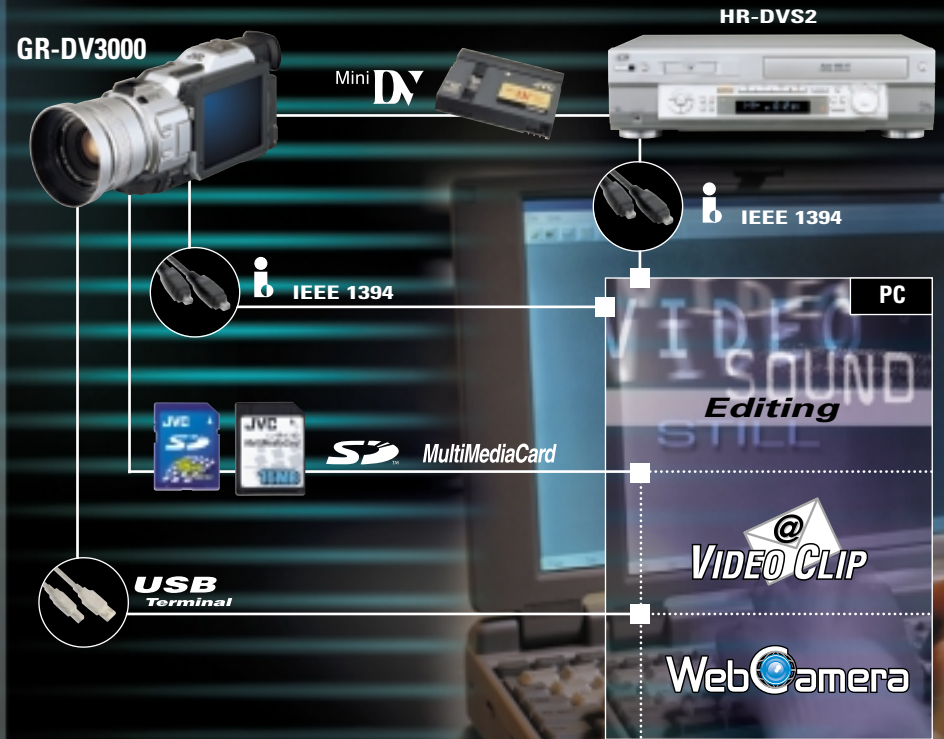
Lets you hook-up to an analog camcorder or VCR and copy your old recordings over to digital. A great way to get your VHS tape collection into the digital age.

Exclusive High-Speed Interface Printing

The GR-DV3000 also has a special connector for rapid image transfer to the optionally available GV-SP2 Digital System Printer, which delivers breathtaking high-resolution 310 dpi prints of your digital stills.



GR-DV3000 System Connectivity

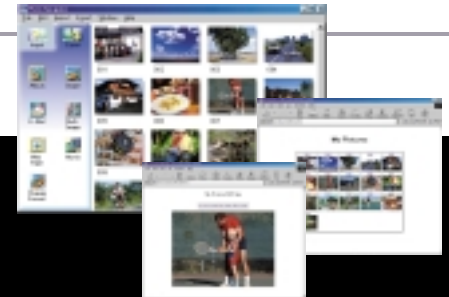


Provided High-Value Software

The GR-DV3000 comes with a bundled set of apps that make it easy to process your footage into finished data and communicating it around the world through the Internet.

Digital Photo Navigator

For still image transfer, easy image re-sizing and Web file (HTML) creation, library management, slideshows and movie file (.AVI) creation, as well as superimpose title creation.



PIXELA ImageMixer

Powerful multi-application that handles image and sound capture, file management (stills, movies, sounds), easy non-linear MPEG-1 editing with scene transitions, MPEG-1 recording of live camera images onto hard disk, MPEG-1↔MPEG-4 file format conversion, and offers pro-style retouching functions.



GV-SP2

GR-DV3000

HIGH-BAND DIGITAL VIDEO CAMERA

Mini DV NTSC



Provided Accessories

- Software (CD-ROM)
- Lens Hood
- Jack Box (multi-interface connector)
- Multi-Brand Remote Control
- AC Power Adapter/Charger
- DC Cable
- Battery Pack
- SD Memory Card (16 MB)
- Shoulder Strap
- USB Cable
- AV Cable
- Editing Cable

Optional Accessories

A variety of optional attachments are available to let you expand your creative horizons.

- GL-V0752 Wide Conversion Lens
- GL-V1452 Tele Conversion Lens
- MZ-V3 Stereo Zoom Microphone
- VL-F3 Video Flash
- VL-V3 Auto Light
- TP-V20 Tripod
- CU-VFSD50 Floppy Disk Adapter
- CU-VFSD60 PC Card Adapter
- CU-VUSD70 USB Reader/Writer
- CU-SD016/ASD032/ASD064 SD Memory Cards (16MB/32MB/64MB)
- CU-MMC08/MMC16 MultiMediaCards (8MB/16MB)
- VC-VDV204/VDV206 DV Cables
- BN-V428 Battery Pack
- VU-V840KIT High-Capacity Battery Kit
- CB-V260 Snow & Rain Jacket
- CB-A99 Carrying Bag
- VU-V222KIT Starter Kit

Software System Requirements

- Digital Photo Navigator (Windows® 95/98/98SE/Me/2000)
- DV Title Converter (Macintosh®)
- USB Driver – Mass Storage Class (Windows® 98/98SE/Me/2000)
- G.726 Driver (Windows® 95/98/98SE/Me/2000)
- USB Stream Driver – (Windows® 98/98SE/Me/2000)
- USB Stream Driver – (Macintosh®)
- PIXELA ImageMixer (Windows® 98/98SE/Me/2000)
- PIXELA ImageMixer (Macintosh®)

Windows®

OS	: Windows® 98 (pre-installed), Windows® 98 Second Edition (98SE) (pre-installed), Windows® Millennium Edition (Me) (pre-installed), Windows® 2000 Professional (pre-installed) However, DV functions in ImageMixer are not supported by Windows® 98/Windows® 98 Second Edition. Import of video by USB connection using ImageMixer is not supported by Windows® 98.
CPU	: Intel MMX® Pentium®, at least 200MHz (ImageMixer) For capturing video via a USB cable or IEEE1394 (i-LINK) cable, Pentium III®, at least 500MHz, at least 800MHz recommended
RAM	: At least 64MB recommended
Free hard disk space	: (Digital Photo Navigator) At least 10MB for installation, at least 500MB recommended (ImageMixer) At least 250MB for installation, at least 1GB recommended
Connectors	: USB connector; IEEE1394 (i-LINK) connector (used only for ImageMixer)
Display	: Must be capable of displaying 800 x 600 dots with 16-bit color
Miscellaneous	: DirectX8.0a or later; Internet Explorer 4 or later

Macintosh®

Hardware	: iMac, iBook, Power MacintoshG3, Power MacG4, Power BookG3 or G4 equipped with a USB connector
OS	: (Title converter) Mac OS 9.0 to 9.1 (ImageMixer; USB stream driver) Mac OS 9.0.4 to 9.1
RAM	: At least 64MB recommended
Free hard disk space	: (ImageMixer) At least 100MB for installation, at least 1GB recommended
Display	: Must be capable of displaying 800 x 600 dots with 32,000 color
Miscellaneous	: (Title converter; ImageMixer) QuickTime 4 or later

Specifications

Format	: DV (SD specifications)
Power source	: DC 7.2 V
Power consumption	: 4.3 W (using Viewfinder) 5.4 W (using LCD monitor)
Cassette	: Mini DV type
Max. recording time (LP)	: 120 min. (with 80-min. DV cassette)
Lens	: F 1.2, f = 4.5 — 45 mm, filter diameter 52 mm
Terminals	: DV In/Out, S-Video In/Out*, USB*, AV In/Out, Headphone, Info-Shoe, Printer, DC In*, Edit*
Dimensions (WxHxD)	: 76 x 90 x 194 mm, 3" x 3-9/16" x 7-11/16" (excluding lens hood)
Weight	: 660 g, 1.4 lb. (excluding battery and cassette)

* Equipped on Jack Box.

Storage Capacity (Blank 16 MB SD Memory Card)

Image Size	Fine mode	Standard mode
1600 x 1200	18	62
1280 x 960	28	98
1024 x 768	46	145
640 x 480	98	295

Above figures are approximate as file size will differ according to type of subject.

GV-SP2 Digital System Printer for borderless 310-dpi prints!

The GR-DV3000's High-Speed Printer Interface connects to the GV-SP2 to allow printing of borderless pictures with 310-dpi quality. What's more, the GR-DV3000's built-in print styles can be applied to the images for a variety of effects.



GV-SP2 major features

- Borderless 100 x 150 mm photo-size print
- 310-dpi high-resolution image
- Full-colour dye-sublimation system
- Automatic multiple printing with DPOF compatibility when connected with JVC printer-terminal-equipped products
- USB terminal for computer connectivity

Variety of print styles

- Calendar
- Sepia/Black & White
- Templates (6 items)
- Multiscreen (16 frames)



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