

# JVC

GR-D70  
GR-D50

Mini DV PAL

HIGH-BAND DIGITAL VIDEO CAMERAS



VCD  
Creation

VCD-Creator-Cam

1/6-inch 800,000-pixel CCD

520 Lines of Resolution with  
Super High-band Processor

USB PC Link

- ☐ Video CD Creation
- ☐ Email Video Clips
- ☐ Web-Camera Function
- ☐ Digital Still Capture

HG Digital Still (1024x768/640x480-pixel)

Digital Colour NightScope



TECHNICALLY PERFECT. PERFECTLY SIMPLE.



## HIGH QUALITY PICTURE AND SOUND

**MiniDV Format** is the de facto standard in digital video now, and will continue to be far into the future. Enjoy high resolution with digital recording, and breathtaking colours with approx. 3 times the bandwidth of conventional analogue video.



**Super High-Band Processor** expands the camera signal's frequency range to raise horizontal resolution to **520 lines**, thereby taking full advantage of the MiniDV format's original high resolution.

**1/6-inch 800,000-Pixel CCD** is an excellent source that matches the high potential of DV's high resolution recording capabilities.

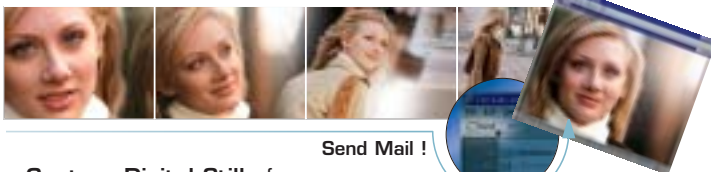


**PCM Digital Stereo** for CD quality sound, with a choice of 2-channel (16-bit linear, 48kHz) and 4-channel (12-bit non-linear, 32 kHz) recording.

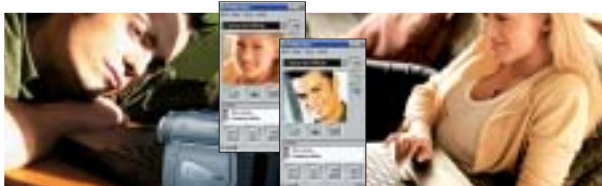
## MAXIMUM USER-FRIENDLINESS

**USB PC Link** offers real-time video streaming (MPEG-1), from video playback or directly through the camera, to your PC. So you can...

- Create Video Discs** by burning the MPEG-1 data on a CD-R\* using provided authoring software, with camera control via USB. The resulting Video CD can be played on most DVD players.
- Make Email Video Clips** by saving the video stream on your PC's hard drive as MPEG-1 files. These can easily be attached to emails for video messaging.



- Capture Digital Stills** from video playback or the live camera image.
- Communicate via Web-Camera** by running a separate application\*\* for teleconferencing, video phoning, webcasting or surveillance. (Windows® only)



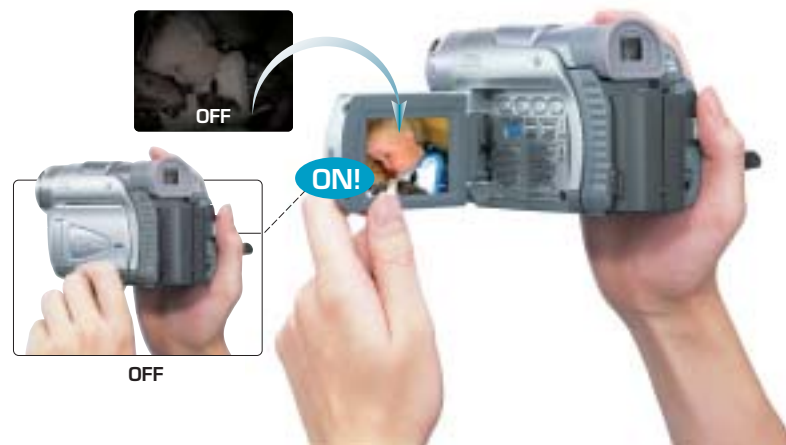
\* Requires personal computer equipped with CD-R/RW drive or external drive unit.

\*\* Third party application such as Microsoft NetMeeting™.



**Digital Colour NightScope** boosts light sensitivity for a **bright picture** even with minimal illumination.\* And unlike infrared-based systems which turn the image black-and-white and have distance limitations, Digital Colour NightScope always gives you **full colour**, whether your subject is **close by or far away**.

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



**Power-Linked Operation** automatically turns on the camera when you open the LCD or pull out the viewfinder, and turns the power off when you close the LCD or retract the viewfinder to save battery power.





# GR-D70

**700x**  
Digital Zoom

**2.5"**  
LCD Monitor

**520** Lines of Resolution

**USB** connectivity

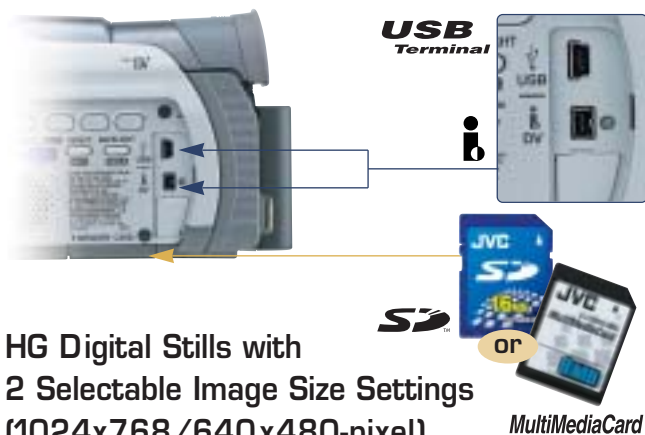
**Digital Colour NightScope**

**Provided Software**

**DV IN/OUT**

- ☐ 1/6-inch 800,000-pixel CCD
- ☐ 16x Optical Zoom
- ☐ 520 Lines of Resolution with Super High-Band Processor
- ☐ USB PC Link
  - Video CD Creation
  - Email Video Clips
  - Digital Still Capture
  - Web-Camera Function
- ☐ HG Digital Stills with 2 Selectable Image Size Settings (1024x768/640x480-pixel)
- ☐ Digital Colour NightScope
- ☐ DV Input/Output (i.LINK, IEEE1394 compliant)
- ☐ Analogue Input
- ☐ 8MB MultiMediaCard Provided

## DIGITAL STILL PHOTOGRAPHY



### HG Digital Stills with 2 Selectable Image Size Settings (1024x768/640x480-pixel)

Camera uses a **Progressive Shutter** 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.

You can store still image data on **SD Memory Card** or **MultiMediaCard**. (GR-D70)

## VERSATILE MULTIMEDIA INTERFACING

**Memory Card Slot** and provided **8 MB MultiMediaCard** for image data storage and downloading to personal computer (using optional Floppy Disk Adapter or PC Card Adapter). Also compatible with SD Memory Card. (GR-D70)

**USB Terminal** for **high-speed image transfer** to USB-compatible personal computer, with **USB Mass Storage Class\*** support for easy drag-and-drop access to image files.

\*GR-D70 only.

**DV Input/Output** terminal (i.LINK, IEEE 1394 compliant) enables **high-speed transfer** to a computer equipped with FireWire or DV board for post-production, as well as lossless dubbing to/from another DV unit in native DV format.

**Analogue Input** lets you connect an analogue camcorder or VCR and **copy your old recordings over to digital**.

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**700x**  
Digital Zoom

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**Digital Colour NightScope**

**Provided Software**

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**Snapshot Mode** records a **photo-like still image** onto video, complete with a **shutter sound effect**. Can be used **during playback** too.\*

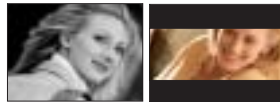
\* When using remote control.

Shutter sound not available when used during playback

- ☐ Full-Frame
- ☐ White Border
- ☐ Pin-Up

## Digital Effects and Scene Transitions –

many of which can also be applied during playback



Black & White

Shutter Wipe

### Special Effects

- ☐ Black & White\*
- ☐ Sepia\*
- ☐ Classic Film\*
- ☐ Strobe\*
- ☐ Cinema
- ☐ Backlight
- ☐ Twilight
- ☐ Sports (Shutter Speed 1/250 — 1/4000)
- ☐ Snow
- ☐ Spotlight
- ☐ Squeeze
- ☐ Slow Shutter
- ☐ Fixed Shutter (1/50, 1/120)

\* Applicable during playback

### Scene Transitions

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

## Provided Software Package

—**Digital Photo Navigator** for still image transfer, easy image re-sizing and Web file (HTML) creation, library management, slideshows and movie file (.AVI) creation.



—**ImageMixer** takes care of everything from image and sound capture, file management (stills, movies, sounds), to easy non-linear MPEG-1 editing complete with scene transitions.



## Other Features

- ☐ Picture Stabiliser
- ☐ S-Video and A/V Output Terminals
- ☐ Amorphous Silicon LCD Colour Monitor
- ☐ 700x Super Digital Zoom with Spline Interpolation
- ☐ Full Function Remote Control Provided
- ☐ Digital Playback Zoom to enlarge the picture during playback
- ☐ Manual Control of exposure, focus, white balance, and iris lock.
- ☐ Date/Time Display
- ☐ Audio Dubbing/Video Insert Editings



## Provided Accessories

- ☐ Software (CD-ROM)
- ☐ Full-Function Remote Control
- ☐ MultiMediaCard (8 MB) (GR-D70)
- ☐ AC Power Adapter
- ☐ Battery Pack
- ☐ USB Cable
- ☐ Shoulder Strap
- ☐ AV Cable

## Optional Accessories

- ☐ RM-V717KITU Remote Control Kit
- ☐ VU-V856KIT/V840KIT High Capacity Battery Pack, AC Adapter/Charger, Waist Pouch (requires VC-VBN856 cable)
- ☐ VU-V856KBC High-Capacity Battery Kit
- ☐ BN-V416 2.5-Hour Battery Pack
- ☐ BN-V428 4 hr. 20 min. Battery Pack
- ☐ CU-SD016/ASD032/ASD064 SD Memory Cards (16MB/32MB/64MB)
- ☐ CU-MMC08/MMC16 MultiMediaCards (8MB/16MB)
- ☐ CU-VFSD50 Floppy Disk Adapter
- ☐ CU-VPSD60 PC Card Adapter
- ☐ CU-VUSD70 USB Reader/Writer

## Specification

Format	: DV (SD specifications)
Power source	: DC 7.2 V (using battery) , DC 11 V (using AC adapter)
Power consumption	: 3.4 W (using Viewfinder) , 4.7 W (using LCD monitor)
Cassette	: Mini DV type
Max. recording time (LP)	: 90 min. (with 60-min. DV cassette) , 120 min. (with 80-min. DV cassette)
Viewfinder	: Electronic with 0.24" black/white LCD

## System Requirements

### GR-D50

<input type="checkbox"/> Digital Photo Navigator <input type="checkbox"/> USB Video Streaming Driver <input type="checkbox"/> ImageMixer with VCD 1.1	Windows® 98 / 98SE / Me / 2000 Professional / XP Home Edition / XP Professional
<input type="checkbox"/> USB Video Streaming Driver <input type="checkbox"/> ImageMixer with VCD 1.1	Mac OS 9.0.4-9.2.2

### GR-D70

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<input type="checkbox"/> USB Video Streaming Driver <input type="checkbox"/> ImageMixer with VCD 1.1	Mac OS 9.0.4-9.2.2
<input type="checkbox"/> USB Driver(Mass Storage Class)	Windows® 98 / 98SE

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