

JVC

The Perfect Experience

PRESS Release

VICTOR COMPANY OF JAPAN, LIMITED
12, 3-CHOME, MORIYA-CHO, KANAGAWA-KU,
YOKOHAMA, KANAGAWA 221-8528, JAPAN
TELEPHONE : +81-(0)45-450-2951, 2952
TELEFAX : +81-(0)45-450-2959
URL: <http://www.jvc.co.jp/english/>

JVC Announces New 3CCD High Definition Hard Disk Drive Camcorder

New palm-sized HD Everio GZ-HD3 delivers hi-def performance to a wider market



Model for outside Japan

JVC (Victor Company of Japan, Ltd.) today announced the launch of a new consumer high definition camcorder that combines a 3-CCD image sensor, high definition 1440 x 1080 recording and embedded 60GB hard disk storage in a compact size that fits in the palm of the hand.

The new HD Everio GZ-HD3 follows the launch earlier this year of the high definition HD Everio GZ-HD7, which combined the pristine image quality of high definition with the convenience and high capacity of recording to a built-in hard drive. With the new GZ-HD3, JVC brings these same benefits to a wider audience in a palm-sized camcorder that's easy to carry and offers point-and-shoot simplicity.

Note: "Full HD 1080" refers to interlace recording in the 1080 vertical pixel High Definition format.

- The HD Everio GZ-HD3 uses a **KONICA MINOLTA HD LENS**, developed to ensure optimum performance with JVC's 3-CCD and HD recording technologies. The zoom lens features an ultra-compact hybrid aspherical lens system using low dispersion glass that plays a pivotal role in reducing aberrations and captures HD images with vivid colors and high resolution. The lens structure also contributes to the miniaturization of the camera.



2. Built-in 60GB HDD for 7 Hours of HD Recording

In addition to an SP mode that allows up to about seven hours of HD recording, the GZ-HD3 is also equipped with an XP mode that records at a higher bit rate for those extra special scenes. There's also a 1440CBR mode, which is convenient for those who wish to edit using HDV-compatible software.

Rec Mode	Resolution	Recording Rate	Rec Time (approx)
XP	1440×1080i	VBR: max. 30Mbps	5 hrs.
SP	1440×1080i	VBR: max. 22Mbps	7 hrs.
1440CBR*	1440×1080i	CBR: approx.27Mbps	5 hrs.

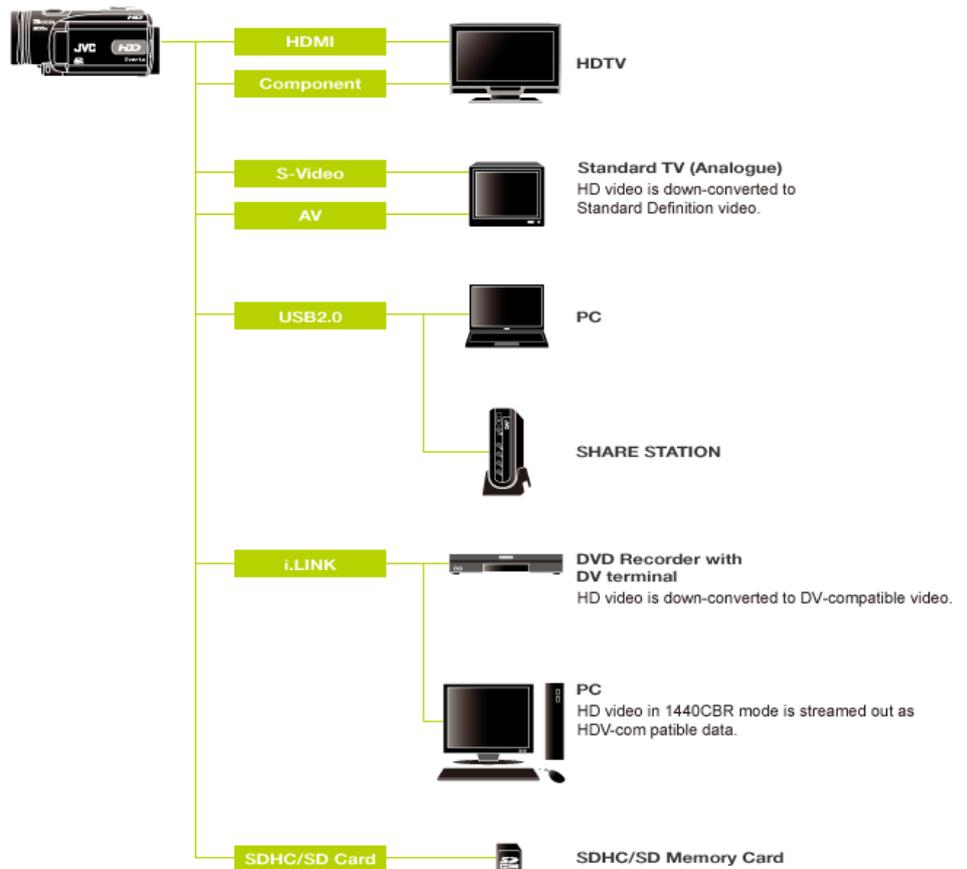
*for HDV compatible stream via i.LINK

3. Compact Body; Simple Controls

To make it easy to take the GZ-HD3 anywhere, the palm-sized camcorder features a lightweight, compact body 27% smaller than the GZ-HD7, and weighing a mere 670 grams (1.5 lbs.). It also offers point-and-shoot simplicity so no crucial scenes are missed, plus manual controls for more ambitious users.

4. Full Complement of Interfaces

JVC equipped the GZ-HD3 with a wide range of interface terminals, including HDMI and component outputs so HD footage can be viewed on the latest HDTV displays. And standard AV-S terminals that output a down-



converted SD signal provide connectivity to ordinary Standard Definition TVs. USB and i.LINK connectors are included for transferring recordings to a personal computer for editing.



5. PC-less Archiving Using Exclusive DVD Burner

By connecting the GZ-HD3 directly to the optional CU-VD40 HD Everio SHARE STATION via USB, no PC required, the user can burn HD footage to 12cm DVD discs to make backups and permanent archives of selected scenes in any desired order with just a few simple steps. Approximately 55 minutes of SP mode-recorded HD footage can be stored on 8.5GB dual layer DVD disc. The CU-VD40 can also be used with



the GZ-HD7, and plays back in HD via HDMI or component, and in standard definition as well.

6. Bundled HD Editing CyberLink BD Solution™ Software for Windows, Plug in for Mac

Using the supplied software, it is possible to view and edit HD footage on a Windows® PC, as well as author that footage to DVD and Blu-ray discs. A plug-in is also provided that allows Mac users to import the HD footage into editing applications like iMovie HD and Final Cut Pro.

Other HD Everio GZ-HD3 Features

1. Various shooting assist and manual functions:

- **Focus Assist** outlines the in-focus part of the picture in red, blue or green to make focusing easier;
- **Digital Image Stabilization (DIS)** provides important stability for hand held shooting;
- **The Zebra Function** puts a stripe pattern on highlighted parts of the picture to assist in setting the exposure manually;
- **Program AE** includes **Aperture- and Shutter-Priority**;
- **Joystick control** for easy selection and operation of manual settings and menu items, including manual focus and quick control of focus mode.



Focus Assist in focus outline



Zebra Pattern on highlights

2. **The SD Card Slot** also stores stills and high definition video (SP mode only) on commonly available SDHC/SD memory cards (10MB/S hi-speed type card required for video recording; SDHC Class 6 or more is necessary, simultaneous recording to Hard Disk and SD Card is not possible).



3. **Automatic Video Light- “Auto Illumi.Light”**

The built-in light automatically turns on when shooting in low light situations.



4. Convenience Features:

- **Quick Power Off** to prevents battery drain if the camera is left on by mistake;
- **The Built-in Lens Cover** protects the lens;
- **Data Batteries** allow the user to check remaining recording time, displaying battery level and maximum remaining recording time;
- **Index Button** to display remaining disk space and recording time;
- **Remote Control**



5. **2.8” 16:9 Widescreen Clear Bright LCD Monitor** for viewing a bright, high-contrast image while shooting.



- When pressed, the **Direct Backup Button** on the camcorder automatically launches the appropriate application to back-up only recordings that haven't yet been backed up to a computer.



Model for outside Japan



- New Dimple Pattern Grip** design for solid and comfortable shooting
- The Mic Input and Accessory Shoe** allow use of the optional MZ-V8 Stereo Microphone.

Like the entire JVC Everio line, the new GZ-HD3 offers the benefits of recording to a built-in hard drive. These include long recording time (five to seven hours on HD Everios; seven to 37 hours with SD Everios), no need to purchase and carry removable tapes or discs, direct access to desired scenes, easy scene deletion, in-camera basic editing, and no risk of mistakenly erasing a desired scene. In addition, using a built-in hard drives allows the camcorder to be more compact than designs that record to DVD or tape.

A version of the JVC HD Everio GZ-HD3 for Japan will be available in August, for the US in early September, and for Europe/Asia in September/October.

###

Manual Assist

“Assist Function” & “Manual Function” for High Quality HD Video Recording

Focus Assist function

The edge of the in-focus picture is shown in color, so the operator can tell that the subject is in focus. The operator can check which point in the image is in focus in real time.



* JVC patent



Focus Assist Button

Zebra

Displays a striped pattern in the LCD monitor across highlight areas, helping manual exposure setting



Manual Functions

- Manual Focus
- Shutter Speed Priority
- Aperture Priority
- Exposure Control
- White Balance
- Program AE
- Sharpness Control



Sports



Twilight



Portrait

PC-Less Archiving

CU-VD40

PC-Less Easy HD Data Copy

**Approx. 40 min
of HD video on to
a DL DVD disk**

Recorded at Full HD mode
(Ave. bit rate: 26.6Mbps)



DVD-R/DL VD-RDL85EVE

Easy Playback



RCU Included!



USB

Easy Backup



HDMI

Specifications

Format		SD-VIDEO High Definition Video Recorder Profile: Video: MPEG-2 TS Audio: MPEG-1 Layer2 Still: JPEG
Storage Media		1.8" Hard Disk Drive (Embedded), SD/SDHC Memory Card
Hard Disk Drive Capacity		60GB
Image Sensors		16:9 1/5" Progressive 3-CCD, 570K-pixel each, with Pixel Shift
Effective Pixels for Capture	Moving images	430K-pixel each
	Still images	530K-pixel each
KONICA MINOLTA HD LENS	Zoom Ratio	Optical 10x (Still: 8x) / Digital 200x
	Focal Length	Video: 3.2 – 32mm (35mm equiv. 42 – 422mm) Still: 4.0 – 32mm (35mm equiv. 48 – 384mm)
	F Stop	Video: (W-T) F1.8 – F2.4, Still: (W-T) F1.9 – F2.4
	Filter Diameter	46.0mm
ISO Settings		100, 200, 400
Shutter Speeds	Moving images	1/2 – 1/4000
	Still images	1/2 – 1/500
Video Recording Modes (VBR)		XP (1440x1080i, 26.6Mbps) / SP (1440x1080i, 19Mbps) / 1440CBR (1440x1080i, 27Mbps [CBR])
Video Recording Time (max.)		5hr. (XP/1440CBR) / 7hr. (SP)
Still Image Sizes		[4:3] 1440x1080 / 1024x768 / 640x480 [16:9] 1920x1080
No. of Still Images (max.)		9999
Clear LCD Monitor		2.8" Wide, 207K-pixel
Multi-Language On-Screen		21 Languages (Eng. / Fre. / Ger. / Spa. / Ita. / Dut. / Por. / Rus. / Pol. / Cze. / Tur. / Jap. / Kor. / Chi. [Simple and Traditional] / Per. / Ara. / Malay / Indon. / Thai / Hindi)
Interfaces		USB2.0/1.1, HDMI Out, i.LINK Out, Component Video Out, S-Video Out, AV Out, SDHC/SD Memory Card Slot, DC In
Power Consumption		Approx. 6.7W
Dimensions (WxHxL)		3-1/4" x 3" x 6-1/8" (82mm x 75mm x 154mm) with lens hood
Weight (with lens hood)		Approx. 585g (1.3lbs) without battery Approx. 670g (1.5lbs) with battery

Battery operation times (approx.)

	Continuous	Typical Shooting
BN-VF808 (data battery)	40 min.	20 min.
BN-VF815 (data battery) (provided)	1 hr. 25 min.	45 min.
BN-VF823 (data battery)	2 hr. 10 min.	1 hr. 5 min.

Video recording times (approx.)

Image Size	1440x1080 pixels		
Storage Media	Recording Mode		
	XP	SP	1440CBR
Internal 60GB Hard Disk	5 hours	7 hours	5 hours
SDHC Memory Card (4GB commercially available)	--	25 minutes	--

Note: Above figures are approximate. To record video, an SDHC card with Class 6 performance is required. SD/SDHC memory cards (128MB to 4GB) have been tested for the following brands: Panasonic, Toshiba, SanDisk, ATP. Note that using other media may result in recording failure or data loss. For compatibility of memory cards, please consult an authorized JVC dealer.

Photo Quantities (approx.)

Media		HDD	SD card			
Image Size	Image mode	60GB	512MB	1GB	2GB	4GB
1920x1080	Fine	9999	550	1080	2160	4320
	Standard		880	1720	3440	6880
1440x1080	Fine		740	1440	2880	5760
	Standard		1160	2270	4540	9080
1024x768	Fine		1460	2850	5700	9999
	Standard		2320	4540	9080	9999
640X480	Fine		3650	7140	9999	9999
	Standard		6400	9999	9999	9999

Note: Above figures are approximate. SD/SDHC memory cards (128MB to 4GB) have been tested for the following brands: Panasonic, Toshiba, SanDisk, ATP. Note that using other media may result in recording failure or data loss. For compatibility of memory cards, please consult an authorized JVC dealer.

Provided Accessories

- AC Power Adapter
- Rechargeable Battery Pack (BN-VF815, 1460mAh)
- AV Cable
- USB Cable
- Component Video Cable
- Remote Control
- Shoulder Strap
- Software CD-ROM

Software CD-ROM (OS requirement and contents)

(For Windows®)

- Digital Photo Navigator
- CyberLink BD Solution™ - contains: PowerCinema™ NE for Everio, PowerProducer™ 3 NE, PowerDirector™ 5 NE Express

(For Macintosh)

- QuickTime component for Everio

Software System Requirements

Windows®

CyberLink BD Solution

- OS: Microsoft® Windows® XP Home Edition/XP Professional (pre-installed), Windows Vista™ Home Basic/Home Premium (32-bit edition, pre-installed), USB2.0 connector is required.
- CPU: Intel® Pentium® 4, at least 2.4GHz. Pentium® 4, at least 3.0GHz recommended. Intel® Pentium® M, at least 1.6GHz.
- RAM: Windows XP: At least 512MB, at least 1GB recommended.
Windows Vista™: At least 1GB, at least 2GB recommended.
- GRAPHIC: Intel/nVidia/ATI graphic card for MPEG-2 HD DxVA

Even if a PC meets the listed system requirements, there may be cases of dropping frames during HD playback, or editing may take excessive time. For faster and more responsive operation, we recommend use of a PC with higher performance such as with an Intel® Core™ 2 Duo CPU and 2GB RAM.

Macintosh

QuickTime Component for Everio

- Hardware: Macintosh with 1.25GHz or faster PowerPC G4/G5, or Intel® processors. (At least Intel® Core™ Duo recommended.), USB2.0 connector is required.
- OS: Mac OS X (10.4.4 to 10.4.9)
- RAM: At least 512MB, at least 1GB recommended.

Notes:

- The terms and conditions above are as of the announcement date, and subject to change without notice.
- The terms and conditions above do not guarantee operation by all personal computers equipped with a USB 2.0 terminal.
- When PowerDirector5 NE Express is used with Windows Vista™, "The sound loudness adjustment" button of the edit display and "Post recording" button might not be able to be used with some PCs.
- Microsoft® and Windows® are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- Apple, Apple logo, Macintosh, Mac OS, QuickTime iMovie, and Final Cut Pro are registered trademarks of Apple Inc. in the United States.
- HDV and HDV logo are trademarks of Sony Corporation and Victor Company of Japan, Limited (JVC).
- i.LINK and i.LINK logo are trademarks of Sony Corporation.
- The SD and SDHC logos are trademarks of the SD Card Association.
- All brand names are trademarks, registered trademarks, or trade names of their respective holders.
- External appearance and specifications of the product are subject to change without previous notice.
- Please confirm details in the catalog or homepage, etc.

###

For International Press information, please contact:

Toshiya Ogata, Senior Staff Manager, or Akiko Sakakibara, Manager,
Public Relations Office, Corporate Communications Department,
Victor Company of Japan, Limited (JVC)

Tel: +81-(0)45-450-2951, 2952

Fax: +81-(0)45-450-2959

E-mail: ogata-toshiya@jvc-victor.jp
sakakibara-akiko@jvc-victor.jp

URL: www.jvc.co.jp/english