

JVC®

The Perfect Experience / —

GZ-HD7
GZ-HD3
HD HARD DISK CAMCORDERS

HD Everio



HD Everio

Take a high-quality HD lens and 3CCD imager, couple it with high-rate HD recording technology and high-capacity HDD storage, and the advantages add up to much more than their sum. What you really get is quality that your precious memories deserve, and will stand the test of time. HD video is not just for Hollywood anymore, it's a new way to set the stage and celebrate your life, with HD Everio.

With the GZ-HD7, the 1920x1080i picture you get from the camera and FUJINON optics is maintained for recording, with no conversion to degrade the full native resolution.

The new GZ-HD3 is the perfect addition to the HD Everio family. Designed to amaze everyone with its performance and ease of use, the GZ-HD3 provides brilliant high definition recordings by boasting 3CCD imaging, KONICA MINOLTA HD LENS, 60GB Hard Disk Drive, and more in a compact, consumer-friendly camera.

Now go and record your very own blockbuster movie.

JVC's Complete World of Full HD

Once you're done shooting, JVC's various Full HD ready products are ready to offer full enjoyment – from viewing on HDTV, to a PC-less archiving solution for Full HD storage without a computer. So for Full HD that makes sense all the way around, see how HD Everio's advantages make the definitive difference.



GZ-HD3

HD + HDD + 3CCD

The Advantages Add Up



GZ-HD7

GZ-HD7

Put the Best to the Test.

Our premier GZ-HD7 records Full HD 1920x1080 images for native HDTV performance that's ready for the future.



Capture All the Quality with Full HD 1920x1080 Recording

Full HD 1920x1080i recording means that all of the image information you are capable of seeing on an HDTV display will be recorded at the camcorder. Without losing any visual information to start with, this native 1920x1080i resolution is maintained throughout the recording to playback process from lens, CCD, MPEG2 Transport Stream and output via HDMI or USB2.0 with no quality-degrading conversion.



Rec Mode	Resolution	CODEC Video / Audio	Bit Rate	Rec Time (approx.)
FHD	1920x1080i	MPEG2-TS / MPEG1 Layer 2	Variable Bit Rate Max. 30Mbps Ave. 26.6Mbps	5 Hours
SP	1440x1080i		Variable Bit Rate Max. 22Mbps Ave. 19Mbps	7 Hours
1440CBR*	1440x1080i		Constant Bit Rate 27Mbps	5 Hours

*For HDV compatible stream via i.LINK

FUJINON Professional Optical Zoom Lens

The GZ-HD7 utilises a lens designed for high definition by FUJINON. FUJINON is the leader in professional camera lens for live HD images. This lens features 3 aspherical elements and provides nearly the same brightness (F1.8-1.9) throughout its zoom range. In addition, the lens surface is coated with a new Electronic Beam Coating (EBC) that greatly reduces degradation caused by light reflecting off the lens surfaces, leading to greater light transmission and reduced flaring and ghosting.

Zoom Ratio
Optical 10x / Digital 200x

F Stop
F1.8 - F1.9

Focal Length
F= 3.3mm - 33mm

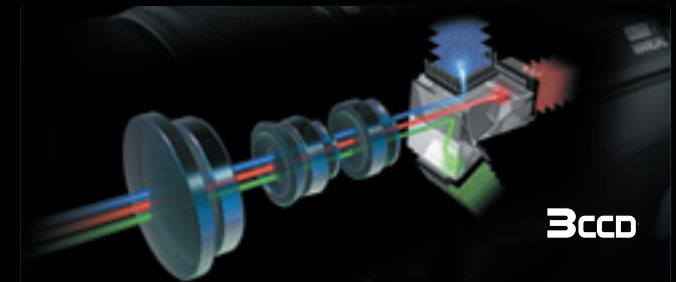


The Leader in Professional HD Optics

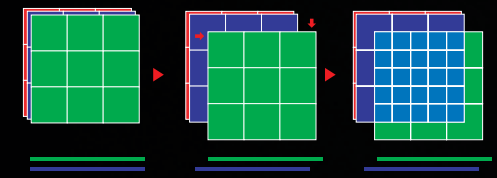
FUJINON lenses are highly regarded and entrusted by major broadcasting and motion picture companies, holding over 60% worldwide market share in the professional HD industry. As a consumer product, the GZ-HD7 is the first camcorder offered with FUJINON lens.

Three 1/5" Progressive Scan CCDs with Pixel Shift Technology

For bright, realistic colours the HD Everio uses three 1/5-inch CCDs – one each for red, green and blue. Naturally, by having dedicated CCDs for each primary colour, the camera is able to gather the maximum visual information which leads to more realistic colour reproduction and presence. Using Pixel Shift Technology, the Red and Blue pixel locations are shifted relative to Green, allowing the sampled colour information to be quadrupled through interpolation.



Pixel Shift Technology





Manual Focus Ring for Pro-like Creative Control

The focus ring gives you real-time manual control over focus, which will let you shift focus from foreground to background exactly as you wish. An indispensable creative tool to shoot artistic looking videos, or to focus on a specific subject within a very busy picture.



Optical Image Stabilisation (OIS)

Provides effective camera-shake compensation while utilising the maximum CCD pixel count to achieve 1920x1080 resolution.



Without OIS



With OIS

Colour Viewfinder

The GZ-HD7 is also equipped with a colour viewfinder. It's useful when shooting under strong sunlight where an LCD is not clearly visible or when you want to save battery power. Thanks to the viewfinder diopter, comfortable shooting is also possible for those using contacts or glasses.



GZ-HD3



High Definition, Nice and Simple.

Our compact GZ-HD3 fits the enormous benefits of HD recording into a user-friendly camcorder that fits your active lifestyle.



Full HD 1080 refers to recording in the 1080 vertical pixel High Definition format.

7 Hours of HD Recording and 3 Recording Modes

The GZ-HD3 offers HD recording with 1440x1080i resolution. These HD pictures are extremely fine and detailed, containing about 4 times the visual information of conventional SD (Standard Definition) pictures. With a 60GB built-in hard disk drive you can record up to seven hours of HD video (SP mode), plus you get two additional recording modes to select according to your requirements.

Rec Mode	Resolution	CODEC Video / Audio	Bit Rate	Rec Time (approx.)
XP	1440x1080i	MPEG2-TS / MPEG1 Layer 2	Variable Bit Rate Max. 30Mbps Ave. 26.6Mbps	5 Hours
SP	1440x1080i		Variable Bit Rate Max. 22Mbps Ave. 19Mbps	7 Hours
1440CBR*	1440x1080i		Constant Bit Rate 27Mbps	5 Hours

*For HDV compatible stream via i.LINK

KONICA MINOLTA HD LENS

The HD lens of the GZ-HD3 was developed by camera specialist, KONICA MINOLTA, to ensure optimal lens performance for use with our 3-CCD image sensor and MPEG2 recording technology. The result is an extremely detailed picture with clear contrast and strong presence throughout the image – the type of stable and consistent performance that becomes essential when recording images at HD specifications.



HD Gigabrid Engine for Optimum HD Images

Common to both the GZ-HD7 and GZ-HD3, this new image processing engine has been designed specifically for HD Everio to process the CCD image as a progressive scan signal. This provides the maximum image information to work with, regardless of the actual recording mode that is used. Also integrated into the chip are five digital noise reduction technologies that collaborate to improve the vertical resolution by about 30%. It's at the heart of JVC's HD recording system.





60GB Hard Disk Drive Built-in – No Tapes or Discs to Reload

Both models are equipped with a high-capacity HDD to record video and still images. Internal media means no need to buy additional discs and tapes. Since it's HDD, you can directly access the scene you want and delete the scene you don't want on the spot. Also, there's no risk of erasing previous recordings by mistake.



Auto Illumi. Light to Shoot Brilliant Video

The GZ-HD3 is equipped with a built-in video light that automatically illuminates the scene if you are recording video in a dim environment.



Compact Body with Point-and-Shoot Simplicity

The palm-sized GZ-HD3 is easy to take anywhere, with a lightweight and compact body weighing a mere 670g including battery. It also offers point-and-shoot simplicity so no crucial scenes are missed, plus manual controls for more ambitious users.



Easy-to-Use Operation and User-Friendly Convenience



Hybrid Design with SD/SDHC Memory Card

In addition to a built-in 60GB hard disk drive, HD Everio also has a slot for SD/SDHC Memory Card so you can store videos (SP mode only) and stills on this commonly available memory card.



Available recording time and number of still images storable on 4GB SDHC card

	Video SP mode (1440x1080i)	Stills 1920x1080	
		Fine	Standard
4GB SDHC Card (Not provided)	25min.	4320	6880

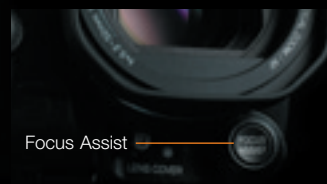
Note: Above figures are approximate. To record video, an SDHC card with Class 6 performance is required. SD/SDHC memory cards (128MB to 4GB) have been tested for the following brands: Panasonic, Toshiba, SanDisk, ATP. Note that using other media may result in recording failure or data loss. For compatibility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

Variety of Shooting Assist Functions

HD Everio offers a wide array of assist functions to shoot HD video more precisely, conveniently, and creatively.

• Focus Assist Function

Focus Assist outlines in-focus image contours in colour so you can easily tell which parts of the image are in or out of focus.



• Zebra Function

Displays a striped pattern across highlight areas on the image, making it easier to manually set the exposure.



• Programme AE

A full array of effects is available so you can choose the right exposure or shutter speed automatically according to the scene you're shooting. Easily accessible via visual menu dial.



• Portrait
• Snow



• Sports
• Spotlight



• Twilight

Wide Range of Manual Controls

In addition to point-and-shoot simplicity, HD Everio also offers a wide range of manual controls including Manual White Balance, Exposure Control, Sharpness Control, Shutter Priority, Aperture Priority and Brightness Control. The GZ-HD7 is also equipped with pro-style direct-access buttons that give you one-push access to frequently used manual functions.



Accessory Shoe and Mic Input

Mount an optional microphone on the accessory shoe for clear, high-quality audio recording. A convenient Mic Input Terminal with plug-in power supplies power to the mounted microphone.



GZ-HD7 with MZ-V8 Stereo Microphone

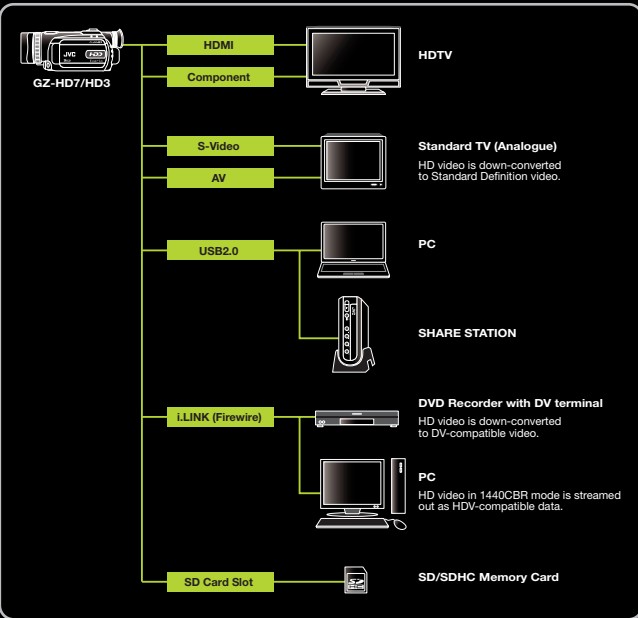
Built-in Sliding Lens Cover

Slide it shut to protect the lens when the camera's not in use. It's integrated, so there's no risk of losing it like a lens cap.



Multiple Interfaces for Expanded Connectivity

HD Everio accommodates a wide variety of environments with its full array of digital and analogue interfaces. In addition to new HDTV displays, HD Everio footage can be viewed on conventional analogue TVs as well, thanks to its down-conversion function. And with USB and i.LINK (Firewire) connectors, it's ready to transfer recordings to a personal computer for full-fledged editing.



2.8" Widescreen Clear LCD

The 2.8" widescreen LCD offers a 16:9 aspect ratio for wide cinematic video shooting. Naturally the playback picture can be enjoyed in full widescreen dimensions on the LCD or on a connected widescreen TV. This Clear LCD cuts surface reflections and glare to maintain a clear, visible, bright view during outdoor recording in direct sunlight.

2.8"



Stick Control for Easy Operation

Access a multitude of functions with the 4-way one-finger control. Pressing the four "compass points" on the circular control operates everything from menu item selection to manual camera settings.

Power-Linked Operation

Automatically turns on the camera when you open the LCD so you can shoot right away, and turns off the camera when you close the LCD so you won't waste power.



Data Battery

Allows you to check the remaining battery power by % and remaining recording time in minutes at the touch of a button, even while the camcorder's power is off.

This product includes patented and other proprietary technology and will operate only with JVC Data Battery.



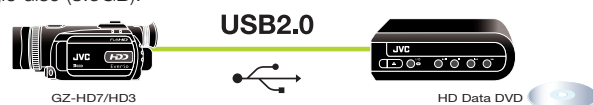
PC-less HD Archiving and Viewing

With JVC's optional SHARE STATION DVD Burner (CU-VD40/VD20), a totally PC-less solution for the archiving and playback of HD content becomes possible. With it, you can store HD Everio's footage directly on a DVD without using a PC. HD footage is stored as data so you can use normal DVD-R/RW discs for burning. Playback of archived data is simple, too. Just connect the CU-VD40 to your TV, no PC or HD Everio required.



HD Archiving

Just connect to the CU-VD40 via USB2.0 and you can archive your HD video files on DVD discs without using a PC. Thanks to HD Everio's USB host function, simply follow the instructions on HD Everio's LCD and you're done. Since DVD-R DL disc is supported, you can store up to 55min. of HD video (40min. for Full HD video) on a single disc (8.5GB).



HD Playback

Playback is possible directly from the CU-VD40 to a connected TV/Display. Simply load a created HD data disc and you can enjoy powerful HD video on HDTV. No need to connect the camcorder. Analogue component or down-converted SD video output also available.



Playlist

With the Playlist function, you can select the scenes you want in the order you want internally at the camera. Programme your favourite scenes, in the order you like for playback or for archiving to DVD, and you'll have an up-tempo video that your audience will never get bored with.



CU-VD40

SHARE STATION
DVD Burner



Optional



(HD Everio not included)

- ◆ Easy HD data disc creation without using a PC
- ◆ Direct connection with HD Everio via USB2.0 high-speed interface
- ◆ Playback function for HD data
- ◆ Can also be used as a standard DVD burner with your PC
- ◆ Remote control provided

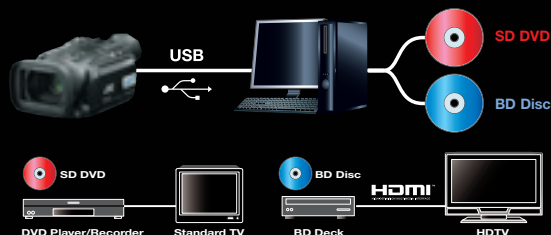


VD-RDL85EV
We recommend
using a JVC
DVD Disc.



Advanced Editing with a Computer

For those who wish to edit and archive using their PCs, HD Everio comes supplied with full-fledged software. Blu-ray disc compatible applications let you store original HD content with full impact. And with plug-ins supplied for Mac software, Macintosh users will be able to create HD files using their own editing applications.

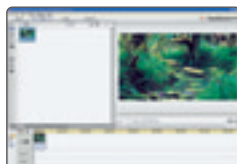


CyberLink BD Solution For Windows

All the tools needed for editing and playback of HD content, as well as storage on DVD and Blu-ray disc. (Blu-ray disc drive is required for burning a Blu-ray disc.)



PowerCinema™ NE for Everio for HD file browsing, playback, backup, and copy.



PowerDirector™ 5 NE Express for advanced HD video editing.



PowerProducer™ 3 NE for easy BD-AV / DVD-Video disc authoring.

QuickTime Component for Everio For Mac

For Macintosh users, HD Everio also includes plug-in software so that video files transferred via USB can be imported to Apple iMovie HD and Final Cut Pro. As well, Macintosh and other editing software can capture the MPEG2 HDV compatible 1440CBR mode during streaming playback via i.LINK.

Direct Data Backup to PC

Data archiving has never been easier. Just press the DIRECT BACK UP button, and data that has not yet been backed up can be transferred to a PC automatically.



One-button easy!

Feature Comparison

	GZ-HD7	GZ-HD3
Full HD 1920x1080 Recording	Yes	—
Lens	FUJINON Professional HD Lens	KONICA MINOLTA HD LENS
Zoom Ratio	10x Optical / 200x Digital	10x (Still: 8x) Optical / 200x Digital
Video Image Stabiliser	Optical	Digital
Manual Focus Ring	Yes	—
Colour Viewfinder	Yes	—
Auto Illumi. Light	—	Yes
HD Gigabrid Engine		Yes
2.8" Wide Clear LCD		Yes
Focus Assist Function		Yes
Zebra Function		Yes
Auto Exposure Bracketing		Yes
Shutter Priority	Yes (via Button)	Yes (via Menu)
Aperture Priority	Yes (via Button)	Yes (via Menu)
Brightness Control	Yes (via Button)	Yes (via Menu)
Sharpness Control		Yes
Histogram Display (during Playback)		Yes
Programme AE		Portrait, Sports, Twilight, Snow, Spotlight
Accessory Shoe		Yes
Stick Control		Yes
Power-Linked Operation		Yes
Playlist Function		Yes
Direct DVD Burning with SHARE STATION		Yes
Direct Backup to PC		Yes
Data Battery		Yes
Built-in Sliding Lens Cover		Yes
Provided Software	[Windows] CyberLink BD Solution [Mac] QuickTime Component for Everio	
Dimensions (WxHxL)	91mm x 77mm x 186mm	82mm x 75mm x 154mm
Weight (with lens hood)	665g without battery 750g with battery	585g without battery 670g with battery

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 (Digital Photo Navigator, CyberLink BD Solution, QuickTime Component for Everio)

Optional Accessories

◆ SHARE STATION DVD Burner



CU-VD40

CU-VD20



- Peripheral DVD drive for your PC.
- Also direct connection with Everio via USB2.0 high-speed interface for easy HD data disc creation. (Playback not available)

Viewing on HDTV



To view HD playback picture from archived files, it is necessary to connect CU-VD20 to HD Everio, and connect HD Everio to TV via HDMI.

◆ Data Batteries

BN-VF808 Battery Pack



BN-VF815 Battery Pack



BN-VF823 Battery Pack



Same as provided

Continuous operation times (approx.)

	GZ-HD7		GZ-HD3
	With Viewfinder		With LCD
BN-VF808	40min.	35min.	40min.
BN-VF815	1hr. 25min.	1hr. 20min.	1hr. 25min.
BN-VF823	2hr. 10min.	2hr.	2hr. 10min.



AA-VF8 Battery Charger

◆ Lenses & Microphone

GL-V0746

0.7x Wide Conversion Lens (46.0mm)

GL-V1846

1.8x Tele Conversion Lens (46.0mm)



MZ-V8

Stereo Microphone



◆ Others

VC-VDV204U

DV Cable (4-pin x 4-pin)

VC-VDV206U

DV Cable (4-pin x 6-pin)



CB-VM50

Multifunction Carrying Bag



Not all accessories available in every region. Please check with your dealer.

Specifications

		GZ-HD7	GZ-HD3
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	
Images Sensors		16:9 1/5" Progressive 3-CCD, 570K-pixel each	
Effective Pixels for Capture	Moving Images	530K-pixel each	430K-pixel each
	Still Images	530K-pixel each	530K-pixel each
Lens	Zoom Ratio	Optical 10x / Digital 200x	Optical 10x (Still: 8x) / Digital 200x
	Focal Length	3.3 - 33mm	3.2 (Still: 4.0) - 32mm
	F Stop	F1.8 - F1.9	F1.8 (Still: 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)		FHD (1920x1080i, Max. 30Mbps, Ave. 26.6Mbps)	XP (1440x1080i, Max. 30Mbps, Ave. 26.6Mbps)
		SP (1440x1080i, Max. 22Mbps, Ave. 19Mbps)	
		1440CBR (1440x1080i, 27Mbps [CBR])	
Video Recording Time (max.)		FHD/1440CBR: 5Hrs.	XP/1440CBR: 5 Hrs.
		SP: 7 Hrs.	
Still Image Sizes		[4:3] 1440x1080 / 1024x768 / 640x480 [16:9] 1920x1080	
No. of Still Images (max.)		9999	
Interfaces		USB2.0/1.1 Out, HDMI Out, i.LINK Out, Component Video Out, S-Video Out, AV Out, SD/SDHC Memory Card Slot, DC In	
Power Consumption		Approx. 6.7W (with Viewfinder)	Approx. 6.7W
		Approx. 7.1W (with LCD)	

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 DxDVA

*For information on GZ-HD7's Windows Vista™ compatibility, please refer to our website at <http://www.jvc-victor.co.jp/english/download/vista.html>

Even if your 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.

Design and specifications subject to change without notice. Operation of hard disk drive protection is not guaranteed against all cases of shock or accident. Everio cannot be used in low pressure areas (generally places that are more than 3,000 metres above sea level). The photos of the products featured on this catalogue may not be of actual products that are available in your country.

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