

JVC[®]

The Perfect Experience

GZ-HM400
HD Memory Camera



HD Everio

CAPTURE NEW WORLDS. SEE AND FEEL THE EXCELLENCE.





HD Everio

Designed to capture excellent, realistic footage. Packed with a host of technologies that deliver a supreme Full HD experience. See the detail in every shot. Sense the reality of every second. Hold the GZ-HM400, and discover what's beautiful in your world.



HD Memory Camera GZ-HM400

UNCOMPROMISING QUALITY IN ALL ASPECTS

Videos and stills, images and sounds, digital and optical technologies. They all converge at the focal point of your experience.



Full HD 1920x1080 Video

GZ-HM400 incorporates a 10.3 Megapixel CMOS sensor to record 1920x1080 Full HD AVCHD format video. The camera records at a stunning 1080 TV lines of horizontal resolution – the theoretical maximum level of 1920x1080 Full HD.



Full HD 1920x1080

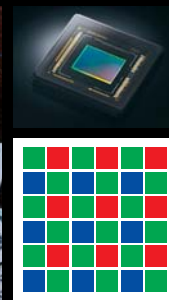
HD Gigabrid Premium II Engine

At the heart of the high image quality is the HD Gigabrid Premium II Engine which enables high speed processing of a huge amount of pixel data to allow high quality video recording.



Real 9 Megapixel Stills with No Interpolation

The 10.3 Megapixel CMOS sensor is also the source of high quality 9 Megapixel digital still images. By using the Bayer array for arranging RGB colour filters, real 9 Megapixel stills with no interpolation are possible.



Bayer matrix used by many high quality digital cameras

Optical Image Stabiliser

JVC's proprietary Optical Image Stabilisation (OIS) uses two active prisms to correct camera shake. It stabilises at the zoom entrance for effectiveness over the entire zoom range.



KONICA MINOLTA HD LENS

GZ-HM400 uses a new KONICA MINOLTA HD LENS with a 10x optical zoom, and magnifies up to 15x without any picture degradation thanks to Dynamic Zoom technology.



24Mbps Ultra High Quality Recording

In UXP video recording mode, you can record at 24Mbps, the highest bit rate possible for AVCHD video, for more detailed, sharper images with less noise.

K2 Technology for High Quality Audio

This JVC exclusive technology has been well-received in the audio field and is incorporated for the first time in a camera. It restores the sound details lost during compression to enable high-quality audio playback that is closer to the original.



1920x1080/50P Output

This function outputs a 1080 scanning line image at progressive 50fps so you can enjoy uncompromising picture quality on a TV that accepts 1080P input.

1080/50P
Output

FUNCTION ORIENTED DESIGN UNDER YOUR CONTROL

Not too small, but shaped just right. Curved contours and ergonomic layout put you in command through your journey.



01 Auto Lens Cover

Automatically opens/closes by linking to the LCD's opening and closing.



02 Auto Flash

03 Multi-Function Dial

A lever switch lets you directly access the Brightness and Focus adjustment. And a manual adjustment dial enables precise adjustment for various manual settings without having to go through menus.



04 Direct Control Buttons

Easily accessible direct control buttons are available for Aperture Priority, Shutter Speed, and user-assignable operations. You can register frequently used settings, offering a higher degree of personal control.



05 Accessory Shoe

External accessories like a microphone or video light can be attached for serious shooting.



06 Ergonomic Grip



07 Pro-Style Zoom Lever

WIDE/TELE seesaw-style zoom lever for sure operation.

08 Stereo Microphone

09 USB Terminal



10 Headphone Out



11 HDMI™ Mini Terminal



12 Mic Input



13 Laser Touch Operation

Touch-sensitive scroll bar and buttons allow smooth operation for zooming and recording as well as menu selection.



14 One Touch Upload to YouTube™

With PC connected, press this button to start data conversion and upload the file to YouTube™*.



15 One Touch Export

With PC connected, press this button to start data conversion and export the file to your iTunes® library*.



16 One Touch DVD Creation

With PC connected, press this button to start burning the recorded data onto a DVD disc*. Optional Everio SHARE STATION® can also be used for PC-less direct DVD creation.



*Installation of bundled software required.

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ADVANCED SHOOTING WITH CREATIVE FUNCTIONS

Take your creative potential to extremes. Specialised functions let you explore the different expressions of your world.

15fps / 9 Megapixel Motor Drive Shooting

As many as six 9 Megapixel stills can be shot at up to 15 frames per second, a speed that surpasses what's offered by typical 9 Megapixel DSLR cameras. You can also shoot 5.3 Megapixel continuous stills (up to 11) at even higher speed.

Shooting speed and number of images

Speed Mode	9 Mega Continuous Stills	5 Mega Continuous Stills
High Speed	15fps, up to 6 images	50fps, up to 11 images
Medium Speed	7fps, up to 6 images	10fps, up to 11 images
Low Speed	2fps, no limit	1fps, no limit



High-Speed Recording for Ultra-Slow Motion Playback

High-speed recording mode shoots ultra-slow motion video to capture dynamic movement that is not visible to the naked eye. Effective tool for sports technique analysis and nature studies. Three speed modes available.

High Speed Recording Time (approx.)

Speed Mode	Images Size	Rec. Time	Playback Time
500fps	640x72	2.8sec.	28sec.
250fps	480x116	4.8sec.	24sec.
100fps	480x270	4.7sec.	9.4sec.



Dual Mode: 5.3 Megapixel Stills While Recording Full HD Video

GZ-HM400 also allows shooting of 1920x1080/50i Full HD video and 5.3 Megapixel stills at the same time. This way, you won't have to exit the Video mode each time you want to take still images, thereby minimising the chances of a missed shot.



5.3 Megapixel Still

Just press the SNAPSHOT button while recording video.



Face Detection Technology

Intelligently detects up to 16 faces then accurately adjusts the focus and exposure for sharp, beautiful images.



Extended Recording

- 32GB Internal Flash Memory
- Allows recording of Full HD video for up to 14hr. 44min. Up to 9999 of 9 Mega stills also storable.

- SD Card Slot for Extra Storage
- You can use an SD/SDHC card for additional recording. Up to 32GB card compatible.



- High Power Battery for Longer Recording
- Supplied long-life battery offers industry-leading continuous recording time of 2hr. 25min.



10 Modes of Scene Selection

A variety of preset modes available according to the subject you're shooting.

- Portrait
- Snow
- Twilight
- Landscape
- Night
- Beach
- Sports
- Spotlight
- Fireworks
- Sunset



EASY VIEWING AND ARCHIVING SOLUTIONS

Use the superb images you’ve captured to captivate your audience. HD Everio makes it so easy.



Recommended optional solutions

Easy Full HD Viewing

CU-VS100 HD Media Player is an AVCHD video player with dual SD card slot. Connect to HDTV via HDMI™ and just insert the recorded SD card; you can enjoy viewing HD video with full impact, right away.



No need to connect HD Everio to your TV each time you want to watch. And since it supports standard-definition video, still images and music data too, count it to entertain you.

CU-VS100

- Plays back AVCHD video saved on SD card to enjoy viewing on HDTV
- Also compatible with digital still cameras
- Dual SD Card slot for continuous playback and data copy over two cards
- HDMI™, Audio/Video output
- Remote control provided

Supported file formats

Video	MPEG-4 AVC/H.264 AVCHD	.mts/.m2ts
	MPEG-4 AVC/H.264 (Audio: AAC)	.mov
	MPEG-2 TS	.tod
	MPEG-2 PS	.mod/.mpg
Photo	JPEG	.jpg
Audio	MP3	.mp3
	WAV	.wav



Note: Supports up to 24 Megapixel JPEG files. Some files may not be played back properly even though they are one of formats shown left.

Easy Full HD Archiving

CU-VD50/VD3 Everio SHARE STATION® is a DVD burner that lets you archive your HD video files on DVD discs without using a PC. Just connect with HD Everio via USB, follow the simple instructions on Everio's LCD and you're done.

CU-VD50/VD3

- Can create AVCHD discs* without using a PC. Created AVCHD discs also playable on other compatible players
- DVD burning operation can be controlled by Everio
- Playback directly on your TV/display via HDMI™ terminal (CU-VD50)
- Uses DVD-R/-RW disc, DVD-R DL disc supported
- Can be used horizontally or vertically (Stand included)
- Remote control provided (CU-VD50)



*Footage recorded in the UXP mode cannot be stored to disc with CU-VD50/VD3. Use the Everio MediaBrowser software on your PC to store footage onto Blu-ray disc or hard disk drive.

Provided with GZ-HM400

Viewing and Archiving with PC: Everio MediaBrowser Included

HD Everio's bundled PC software provides everything from file playback and management, to simple editing, within a single application.

Easy File Management

Calendar type graphical interface displays thumbnail images of your recorded videos and stills, superimposed on the date they were taken. You can easily switch between "Daily" and "Show all" displays.



Calendar view (daily)

Easy Playback

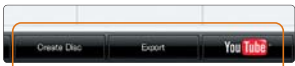
Just double-click on the scene you want to view, and playback starts. Full-screen viewing and simple cut editing are also possible.



Full-screen playback

Easy "Share and Carry" Operation

Exporting to iTunes®, uploading to YouTube™, and burning to DVD disc... all of these "share and carry" operations are simplified too. Just press the exclusive function button and follow a few simple steps.



Software System Requirements (Windows®)

OS: Microsoft® Windows® XP Home Edition (SP2/SP3)/XP Professional (SP2/SP3) (pre-installed) It must be equipped with a standard USB2.0 interface.
Microsoft® Windows Vista® Home Basic or SP1/Home Premium or SP1 (32-bit edition, pre-installed)*

CPU: Intel® Core™ Duo, at least 1.66GHz
Intel® Core™ 2 Duo, at least 2.13GHz recommended

Note: The system requirements information above is not a guarantee that the provided software will work on all personal computers meeting those requirements.

RAM: Windows® XP: At least 1GB
Windows Vista®: At least 2GB

Unused space on hard disk drive: Approx. 750MB or more needed. When creating a Blu-ray disc, 30GB or more is required. (60GB or more is recommended)

*Also tested and proven compatible with Windows Vista® Home Basic SP2/Home Premium SP2 (32-bit edition, pre-installed)

Optional Accessories

Full HD Viewing & Archiving Solutions

CU-VS100
HD Media Player



CU-VD50
SHARE STATION®
DVD
Burner/Player



CU-VD3
SHARE STATION®
DVD Burner



Creative Shooting

GL-V0746*
Wide-Angle Conversion Lens
• 0.7x (ø46mm)



GL-V1846**
Telephoto Conversion Lens
• 1.8x (ø46mm)



MZ-V8
Stereo Microphone
• Compact and lightweight design.
Plug-in power.





*Vignetting may occur when shooting still images (4:3) at full wide angle.
**Vignetting may occur when fully zoomed out.

Other Storage and Playback Solutions Recommended Hard Disk Drives/BD Burner

Just connect with Everio via USB*.
Recorded data can be stored and
played back with easy operation via
connected Everio.

*Optional USB cable required (Mini A male to A female).

FreeAgent™ Desk

500GB, 1TB, 1.5TB



Hard Disk, Design by Neil Poulton

750GB, 1TB




d2 Blu-ray Drive 301828

Creates Blu-ray
discs without a PC!




More Battery Power


BN-VF808
Data Battery
• 7.2V, 730mAh




BN-VF815
Data Battery
• 7.2V, 1460mAh
Same as provided battery




BN-VF823
Data Battery
• 7.2V, 2190mAh



AA-VF8
Battery Charger
• A compact, portable stand-alone battery charger for the BN-VF8 series Data Batteries



VU-VT8K
Battery Charger Kit
• Includes BN-VF808 Data Battery and AA-VF8 Battery Charger



Attention:
Everio includes patented and other proprietary technology and is made to be used with the JVC Data Battery and not with other batteries. JVC cannot guarantee safety or performance of the camcorder when it is operated by other batteries. For additional information about JVC Data Battery, please contact an authorised JVC dealer in your country.

Easy Carrying

CB-VM30 / CB-VM80
Multifunction Carrying Bag
• Convenient case to easily carry, store and protect Everio with its series of accessories



Others

VX-HD315N
HDMI™ Cable
• HDMI™-HDMI™ mini cable (V.1.3 with x.v.Colour™), 1.5m



Specifications

Format	Video	Video: [AVCHD] MPEG-4 AVC/H.264, Audio: Dolby Digital (2ch)
	Stills	JPEG
Storage Media		32GB Internal Memory SD/SDHC Memory Card (not supplied)
Image Sensor		1/2.33" CMOS, 10.3 Megapixel
Lens		KONICA MINOLTA HD LENS
Zoom Ratio		10x Optical / 15x Dynamic / 200x Digital (max.)
Video Recording Modes		LXP: 1920x1080i, Avg. 24Mbps (VBR) XP: 1920x1080i, Avg. 17Mbps (VBR) SP: 1920x1080i, Avg. 12Mbps (VBR) EP: 1920x1080i, Avg. 5Mbps (VBR)
Still Image Sizes	4:3	3456x2592 3072x2304 2592x1944 1600x1200 640x480
	16:9	3456x1944 3072x1728 2592x1456 1920x1080 1280x720
LCD Monitor		2.8" 207K-pixel Colour LCD
Interfaces		HDMI™ Out (mini), AV Out, Component Video Out, USB 2.0/1.1, Headphone Out, Microphone In, SD/SDHC Card Slot, DC In
Power Consumption		4.0W
Dimensions (W x H x D)	Without battery	67mm x 72mm x 135mm
	With battery	67mm x 72mm x 141mm
Weight	Without battery	400g
	With battery	485g

Available video recording times

Rec. Modes	Internal Memory		SDHC Card		
	32GB	32GB	16GB	8GB	8GB
UXP	2hr 56min	2hr 40min	1hr 20min	40min	
XP	4hr 9min	4hr	2hr	1hr	
SP	5hr 53min	5hr 52min	2hr 56min	1hr 28min	
EP	14hr 44min	14hr 40min	7hr 20min	3hr 40min	

Number of storable still images

Image Sizes	Internal Memory		SDHC Card			
	32GB	32GB	16GB	8GB	4GB	4GB
4:3	3456x2592 (Fine)	7730	7810	3860	1930	960
16:9	3456x1944 (Fine)	9999	9999	5180	2570	1270

Notes:
SD/SDHC card is not supplied. To record video, SDHC card with Class 4 or higher performance is required. For LXP mode, please use class 6 or higher. Digital stills can be recorded on both SD and SDHC cards. SD memory cards (256MB to 2GB) and SDHC memory cards (4GB to 32GB) have been tested for the following brands: Panasonic, Toshiba, SanDisk, ATP. Note that using other media may result in recording failure or data loss. Recording time figures are estimations. There may be cases where actual recording time becomes shorter depending on the type of content being recorded.

Provided Accessories

- AC Power Adapter
- Rechargeable Battery Pack (BN-VF815)
- AV Cable
- USB Cable
- Component Video Cable
- Shoe Adapter
- Remote Control
- Software CD-ROM

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