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# PRESS Release

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## JVC Introduces Hard Disk Camcorders Everio GZ-MG70, GZ-MG50, and GZ-MG40 World's First Collection of Camcorders with Built-In Hard Disk Drive *With over seven hours\*<sup>1</sup> of DVD-quality video recording capability*

Victor Company of Japan, Limited (JVC) today announced the release of three new models in the Everio Series of hard disk camcorders, the world's first\*<sup>2</sup> collection of camcorders to use built-in hard disk drives as a storage media. The new Everio GZ-MG70, GZ-MG50, and GZ-MG40 all feature an internal hard disk drive with either a 30GB or 20GB capacity, enabling unprecedented recording times in a consumer camcorder at over seven hours of DVD-quality video or a maximum of thirty-seven hours\*<sup>3</sup> of footage in extended recording mode.

The Everio Series is unparalleled in the camcorder industry, having eliminated the need for using and replacing media, while offering quick random access for ease of operation and the compact and lightweight\*<sup>4</sup> design.

Product description	Marketing name	Model	HDD capacity	CCD (total number of pixels)	MSRP (Yen: Tax Included)	Release Date	Monthly Production
Hard Disk Camcorder	Everio	GZ-MG70	30GB	2.12 mega-pixels* <sup>5</sup>	Open	Beginning of Sept.	12,000 units in total
		GZ-MG50		1.33 mega-pixels* <sup>6</sup>		Beginning of Aug.	
		GZ-MG40-A/P/S	20GB				

(A: misty blue, P: powder pink, S: premium silver)

\*1 Only for models equipped with 30GB hard disk drive.

\*2 As of July 14, 2005, based on a JVC survey, no other consumer camcorder offers a built-in hard disk drive and MPEG-2 recording.

\*3 Only for models equipped with 30GB hard disk drive.

\*4 GZ-MG50 and GZ-MG40 weigh approximately 320g and GZ-MG70 weighs approximately 390g.

\*5 Effective pixel area (video): 1.23 mega-pixels, (stills): 2.0 mega-pixels

\*6 Effective pixel area (video): 0.69 mega-pixels, (stills): 1.0 mega-pixels



GZ-MG70



GZ-MG50



GZ-MG40-A



GZ-MG40-P



GZ-MG40-S

## **Main Features**

### **1. Built-in hard disk drive and over seven hours\*<sup>1</sup> of DVD-quality video recording capability**

The new JVC Everio Series camcorders are equipped with an 1.8-inch internal hard disk drive for extended recording of DVD-quality video. Models with a 30GB internal hard drive can record up to 7 hours and 10 minutes\*<sup>7</sup> of DVD-quality video or up to 37.5 hours of footage in extended recording mode. Models with a 20GB hard drive can record up to 4 hours and 50 minutes of DVD-quality video or up to 25 hours of extended recording in Economy mode. The use of an internal hard drive eliminates the need to replace media, making it ideal for situations that required extended recording, such as when traveling or shooting recitals or plays. Hard disk recording also enables quick random access operation for ease of operation.

\*<sup>7</sup> Equivalent to the recording time of approx. 22 DVD discs (8-cm discs with 1.4 GB capacity on a single side)

Recording mode	GZ-MG70/GZ-MG50	GZ-MG40
Ultra fine (Approx. 9Mbps)	Approx. 7 hours and 10 min.	Approx. 4 hours and 50 min.
Fine (Approx. 6Mbps)	Approx. 10 hours and 40 min.	Approx. 7 hours and 10 min.
Normal (Approx. 4.5 Mbps)	Approx. 14 hours and 10 min.	Approx. 9 hours and 30 min.
Economy (Approx. 1.7 Mbps)	Approx. 37 hours and 30 min.	Approx. 25 hours

### **2. High-quality video and digital still image capability in a compact and lightweight\*<sup>4</sup> design**

The compact and lightweight design weighs no more than 320 grams (GZ-MG40 and GZ-MG50) during shooting, yet incorporates advanced specifications including a 2.5-inch clear LCD monitor and mega-pixel-class digital still image capability using JVC's proprietary Megabrid Imaging Engine.

### **3. Fast Transfer of saved footage to a PC**

The USB 2.0 interface enables the 10-minute transfer of a 60-minute saved footage to a PC.

(It is based on a JVC survey. Transferring time may differ, depending on functions and connection environment of PCs).

### **4. Two key technologies\*<sup>8</sup> for hard disk protection**

- A floating damper mechanism effectively dampens shock and vibration by wrapping the disk with cushioning gels made of impact absorbing material.
- A 3D acceleration sensor automatically perceives when the unit has been dropped and shuts off the power to protect the hard disk.

\*<sup>8</sup> They don't guarantee that the hard disk is free from all kinds of shocks and falls.

### **5. Three colors available with Everio GZ-MG40—misty blue, powder pink, and premium silver**

### **Provided Accessories**

AP-V14 AC power adapter , BN-VF707 battery pack<sup>\*9</sup>, S/ AV code, lens cap, shoulder strap, software CD-ROM, exclusive USB cable (“A type” mini)

CD-ROM Contents (See the required OS on page 5)

- Photo Navigator for Windows®
- CyberLink DVD Solution “PowerDirector™ Express NE for Windows®”  
“PowerProducer™ 2 Gold NE for Windows®” “PowerDVD™ 5 NE for Windows®”
- “Capty MPEG Edit EX” (for Macintosh)

### **Optional Accessories (Japan)**

<b>Product Description</b>	<b>Model Name</b>	<b>MSRP (tax included)</b>
Lithium-ion Battery	BN-VF707 <sup>*9</sup>	7,350 yen
Lithium-ion Battery	BN-VF714 <sup>*9</sup>	13,650 yen
Long Hour Lithium-ion Battery	BN-VF733 <sup>*9</sup>	21,840 yen
Long Hour Belt Holder Battery Kit	VU-V840KIT <sup>*10*11</sup>	20,790 yen
	VU-V856KIT <sup>*9*10*11</sup>	31,290 yen
Battery Charger	AA-VF7	13,650 yen
DC Cord	VC-VBN800 <sup>*10</sup>	998 yen
0.7x Wide Conversion Lens	GL-V0730 <sup>*12</sup>	13,650 yen
1.4x Tele Conversion Lens	GL-V1430 <sup>*12</sup>	13,650 yen
Toto Bag & Pouch	CB-V90	5,250 yen
Carrying Case	CB-V77	3,150 yen

<sup>\*9</sup> Lithium-ion Battery BN-VF707, BN-VF714, BN-VF733, and VU-V856KIT include a circuit to prevent over charge and discharge.

<sup>\*10</sup> DC code VC-VBN800 (sold separately) is needed to supply power from a battery of VU-V840KIT or VU-V856KIT to a camcorder.

<sup>\*11</sup> DC code is not included.

<sup>\*12</sup> When using the flash, a rim (or corners) of an image may not be included.

**Major Specifications:**

Model name	GZ-MG70	GZ-MG50/ GZ-MG40
Format	NTSC Japan and the US standard SD-VIDEO format:	
Audio/video recording and playback format	MPEG-2 PS/ Dolby Digital	
Image Sensor	1/3.6-inch, 2.12 mega-pixel CCD (Effective area: Video: 1.23 mega-pixels Still images :2.0 mega-pixels)	1/4.5-inch, 1.33 mega-pixel CCD (Effective area: Video: 0.69 mega-pixels Still images :1.0 mega-pixels)
Lens (35mm lens equiv.)	Video: F W(1.8)-T(2.2): f=4.5mm-45mm (35mm lens equiv. : 48.7mm-487mm, optical 10x zoom (digital 200x zoom) Sill: F W(1.8)-T(2.2): f=4.5mm-45mm (35mm lens equiv.: 38.9mm-389mm, optical 10x zoom)	Video: F W(1.2)-T(2.8): f=3mm-45mm (35mm lens equiv. : 43.3mm-649.5mm, optical 15x zoom (digital 200x zoom) Sill: F W(1.2)-T(2.8): f=3mm-45mm (35mm lens equiv.: 36.1mm-541.5mm, optical 15x zoom)
Filter diameter	30.5mm (0.5mm pitch)	
Minimum brightness	22 Lx	15 Lx
Monitor	112,000-pixel 2.5-inch color LCD	
Format (still)	JPEG (supports DCF, DPOF and PRINT Image Matching II)	
Interfaces	USB mini-connector, S output terminal, AV output ( φ 3.5mm mini plug) terminal, DC connector	
Power Source	(AC adapter) DC 11.0V, (Battery) DC 7.2V	
Approx. power Consumption	5.2 W	4.5 W
Dimensions (W x H x D) including maximum extrusion	71 mm x 70 mm x 109 mm	67 mm x 70 mm x 109 mm
Weight	390g ( 450g wile shooting*)	320g ( 380g wile shooting*)
	*Including a battery, a lens cap, and a grip belt	

**Approx. shooting time (actual time)\*<sup>13</sup>**

Battery type		BN-VF707	BN-VF714	BN-VF733	VU-V840KIT	VU-V856KIT
GZ-MG70	While using a monitor	50 min. (25 min.)	1 hour and 50 min. (55 min.)	4 hours and 20 min. (2 hours and 10 min.)	5 hours and 5 min. (2.5 hours)	7 hours and 20 min. (3 hours and 40 min.)
GZ-MG50/ GZ-MG40	While using a monitor	1 hour (30 min.)	2 hours and 10 min. (1 hour and 5 min.)	5 hours (2.5 hours)	5 hours and 55 min. (2 hours and 55 min.)	8.5 hours (4 hours and 15 min.)
	While using a monitor and an LED light	55 min. (25 min.)	2 hours (1 hour)	4 hours and 45 min. (2 hours and 20 min.)	5 hours and 35 min. (2 hours and 45 min.)	8 hours (4 hours)

**Approx. video shooting time\*<sup>13</sup>**

Image size	720 x 480 dots			352 x 240 dots
Image mode	Ultra fine	Fine	Normal	Economy
20GB (GZ-MG40)	4 hours and 50 min.	7 hours and 10 min.	9.5 hours	25 hours
30GB (GZ-MG70/ GZ-MG50)	7 hours and 10 min.	10 hours and 40 min.	14 hours and 10 min.	37.5 hours

\*<sup>13</sup> Continuous recording time and actual recording time are approximate.

**PC Connection Kit Require the Following OS**

<Windows®>

Microsoft®: Windows® 2000 Professional SP4 (Pre-install model)

Microsoft®: Windows® XP Home Edition / Professional (Pre-install model)

\* The USB 2.0 interface must be provided.

- Photo Navigator  
CPU: Intel® Pentium® III 700 MHz or up  
RAM: 128 MB or up  
CD-ROM drive  
Blank space of hard disc drive approx. 10 MB or more needed (500 MB or more recommended)
  
- CyberLink DVD Solution  
CPU: Intel® Pentium® III 700 MHz or up  
(Pentium®4 2GHz or more recommended) RAM: 128 MB or more (256 MB or more recommended)  
Blank space of hard disc drive: Approx. 350 MB or more needed to install the program (When DVD Video is created, 10 GB or more needed, while Video CD is created, 1 GB or more needed).

<Macintosh>

Hardware: iMac G4/ G5, iBook G4, Power Mac G5, PowerBook G4, eMac, Mac Mini with a standard USB 2.0 interface

OS: Mac OS X (10.2.8, 10.3.1-10.3.9)

RAM: 128 MB or up 258 MB or up when using “Capty MPEG Edit EX” (for Macintosh®)

- To create DVD-Video, Capty DVD/VCD Ver. 2 of Pixela Corporation is needed.
- Above conditions do not guarantee all PCs with provided USB 2.0 interfaces.
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