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NEW JVC EVERIO LINE OFFERS A COMPACT, STYLISH CAMCORDER TO MEET EVERY NEED

2009 line includes palm-sized new high definition models, hard disk and memory recording, more colour choices and new sharing options.

January 7, 2009 – JVC (Victor Company of Japan, Ltd.) today announced a new line of Everio camcorders that offers innovations in video sharing, dual storage memory models and hi-def camcorders no larger than their diminutive standard definition counterparts.

For 2009, what the Everio line offers is choice – in storage medium, colour and sharing. The line includes hard disk drive (HDD) models, memory camcorders, and for the first time dual memory models, including standard and high definition dual SD memory card camcorders, the world's first dual card slot models. There's also a standard definition model that combines SD card recording with internal flash memory.

For sharing, all 2009 JVC Everios make it easy to watch videos on an iPod® or iPhone® by exporting videos to the user's iTunes® library with the new One Touch Export function provided by bundled software for Windows®. This joins the One Touch Upload function for uploading to YouTube™, for 2009 a feature available on all Everio camcorders, and One Touch DVD Creation function for easy archiving and sharing by disc, a long-time Everio feature.

All 2009 Everio camcorders are extremely compact, with the high definition models for the first time the same size as standard definition Everios that use the same media. In addition, more models offer colour options for 2009, and the choice of colours has expanded to seven.

The 2009 JVC Everio line includes three HD Everio models that all record 1920 x 1080 full HD video. The GZ-HD300, with 60GB hard drive, and the GZ-HD320, with 120GB hard drive, offer HDD storage for extra-long recording times. The GZ-HM200 offers dual SD card recording, with continuous recording from one card to the next, and is one of the smallest and lightest full HD camcorders available.

In standard definition, there are four new Everio G series models – the 60GB GZ-MG630, the 60GB GZ-MG645 which comes provided with Everio docking cradle, the 120GB GZ-MG680, and the 60GB GZ-MG840 equipped with an upgraded 1.07 Megapixel CCD. The Everio S series of memory camcorders includes two models – the GZ-MS120, with dual SD card slots, and the GZ-MS130, with an SD card slot and 16GB of internal flash memory. All dual memory models offer continuous recording.

High Definition Everio

All JVC HD Everios feature a 1/4.1-inch 3.05 megapixel CMOS image sensor. All offer full HD recording – full 1920 x 1080 resolution – and they maintain native 1920 x 1080 resolution through playback, enabling output of a 1080p 50fps progressive signal to make the most of high-end HD displays. Using the same DynaPix HD processing technology used in JVC HD televisions, conversion to 1920 x 1080 at 50fps provides seamless natural video, free of motion judder during fast action activities, jaggy lines on angles and moiré patterns on fine details when zooming. 1920 x 1080 HD discs played back via the camera from the JVC CU-VD50 SHARE STATION® are also converted to 50 fps progressive.

HD Everio models are also equipped with HDMI™ V.1.3 with x.v.Colour™. Among the colours that the human eye can see, x.v.Colour technology, based on the xvYCC colour standard, can display 100 percent compared to about 55 percent with sRGB. So when connected to an x.v.Colour compatible HDTV, the pristine world of high definition can be enjoyed to its fullest.

A new KONICA MINOLTA HD LENS, developed especially for Everio, provides a high-performance “eye” for the capture of Full HD resolution images, and also delivers a high optical zoom ratio of 20x which is among the highest for HD camcorders.

JVC’s new HD Gigabrid Premium video engine is used in both HD Everio and standard definition Everios. It not only applies advanced image processing to optimise image quality, it also contributes to a 30 percent reduction in power consumption compared to previous Everio models, and also enables approximately 2.5-times faster creation of DVD discs for standard definition or AVCHD DVDs from HD Everio.

All HD Everios now feature the new AVCHD UXP mode with an unprecedented bit rate of up to 24Mbps to deliver more detailed, sharper images with less noise. UXP mode is ideal for storing to Blu-ray or an external hard disk drive. All the recording modes for HD Everio models – UXP, XP, SP, and EP – use Full HD 1920 x 1080 resolution. The 120GB GZ-HD320 can record up to 11 hours in the UXP mode and up to 50 hours in the EP mode.

Further contributing to high quality video on all HD Everio models is Face Detection technology, which automatically detects faces within the image being recorded to accurately adjust focus and exposure for sharp, beautiful images.

The 2009 HD Everio line is comprised of the following models:

Model	Storage Media	Available Colours
GZ-HM200	SD/SDHC Card Dual Slot	Onyx Black, Titanium Gold
GZ-HD300	60GB Hard Disk Drive/ microSD/SDHC Card	Onyx Black, Sapphire Blue, Ruby Red
GZ-HD320	120GB Hard Disk Drive/ microSD/SDHC Card	Onyx Black

Everio G Series Camcorders

The 2009 line of JVC Everio G Series hard disk drive camcorders includes three models, each featuring a 1/6-inch 800,000-pixel CCD, plus a fourth model with 1/6-inch 1.07 Megapixel CCD image sensor. Each model also uses a KONICA MINOLTA LENS, with three models offering 35x optical zoom and one with 38x dynamic zoom. Dynamic zoom achieves its higher magnification by using nearly all of the CCD’s effective pixels without any picture quality degradation. All models also offer 800x digital zoom.

Three models, the GZ-MG645, GZ-MG680 and GZ-MG840, offer HD upconversion that converts the camcorders’ standard definition recordings for output as a 1920 x 1080p upconverted video signal, allowing HDMI connection to compatible HD televisions. These models have an HDMI mini terminal. Among these four models, GZ-MG645 is the only one that comes with a docking cradle.

Hard disk drive capacity ranges from 60GB to 120GB, with the 120GB GZ-HD680 providing from 28 to 150 hours of recording, depending on record mode.

The 2009 JVC Everio G series line is comprised of the following models:

Model	Storage Media	Available Colours
GZ-MG630	60GB Hard Disk Drive/ microSD/SDHC Card	Diamond Silver, Sapphire Blue, Ruby Red
GZ-MG645	60GB Hard Disk Drive/ microSD/SDHC Card	Onyx Black
GZ-MG680	120GB Hard Disk Drive/ microSD/SDHC Card	Onyx Black
GZ-MG840	60GB Hard Disk Drive/ microSD/SDHC Card	Onyx Black

Everio S Series Camcorders

The Everio S series of memory camcorders includes two models for 2009, and both are dual storage memory models. The GZ-MS120 has a pair of SD/SDHC card slots while the GZ-MS130 offers a single SD/SDHC card slot and 16GB of internal flash memory. Both offer continuous recording – during recording, when one storage medium fills up, recording automatically switches to the other. When recording with the dual-slot GZ-MS120 in the highest quality mode (Ultra), recording capacity ranges from 3.7 hours using a pair of 8GB cards to 15 hours using two 32GB cards. In the lowest quality mode (Eco), recording time ranges from 20 hours to 80 hours.

The 2009 JVC Everio S series line is comprised of the following models:

Model	Storage Media	Available Colours
GZ-MS120	SD/SDHC Card – Dual Slot	Onyx Black, Topaz Blue, Diamond Silver, Coral Pink
GZ-MS130	SD/SDHC Card/16GB Internal Memory	Onyx Black

Everio Features

All 2009 Everios – HD, G series and S series – make sharing and watching videos easier than ever. New for this year is the One Touch Export function that allows Everio videos to be imported into iTunes® and loaded into an iPod® or iPhone®. All 2009 Everios also offer One Touch DVD burning and the One Touch Upload function that JVC introduced to users in 2008 as a new and convenient way to upload videos to YouTube™.

To use any of the three functions, simply connect Everio to a PC using the supplied USB cable. Then, the user chooses one of three buttons on the Everio: UPLOAD, EXPORT, or DIRECT DVD (DIRECT DISC for HD Everio models). Pressing the button will launch the appropriate Windows PC application that comes bundled with Everio, and the user simply follows the simple on-screen prompts. With just a few mouse clicks the process of uploading to YouTube™, exporting to iTunes®, burning to disc or transferring to an external hard disk drive will be completed. For uploading to YouTube™, the user can perform an in-camera edit of any length video to fit the 10-minute YouTube™ limit.

For disc based archiving, there is an alternative to using a PC. JVC offers the CU-VD50 Direct DVD Burner/Player as an option, which allows burning of Everio videos to a DVD disc without having to use a PC. When used with HD Everio, this solution can create AVCHD DVDs that are playable on many Blu-ray players. There are also JVC-recommended third-party peripherals, including a BD burner by LaCie, as well as hard disk drives by LaCie and Seagate® that provide a worry-free environment for high-capacity storage of recordings made using HD Everio.

The new Everio MediaBrowser software supplied with all Everio models is a Windows application providing an easy-to-search calendar-type graphical interface for indexing and finding video files. Thumbnail images of recorded videos and stills are superimposed on the calendar so it's easy to see when any scene was recorded. The Everio MediaBrowser also allows easy playback, simple cut editing, and “Decomotion” to spruce up recorded footage with animated graphics for upload to YouTube™. It also supports Export to iTunes®, Upload to YouTube™, burning to disc or transferring to HDD. The Everio MediaBrowser software supplied with HD Everio models supports burning to Blu-ray disc in addition to DVD.

Another new feature found on all Everio camcorders is Digest Playback, which offers an easy and entertaining way to check the content residing on Everio's HDD or SD/SDHC card. The function automatically selects highlight scenes from among the recorded content using JVC's proprietary algorithm and plays back what looks like a "coming attractions" trailer for a movie. Sixty minutes of footage is condensed into five minutes of highlight scenes.

Other Everio features have been enhanced for 2009. Laser Touch Operation has been updated to allow control of zooming and recording using either the Laser Touch scroll bar or buttons next to the LCD screen, as well as by the standard zoom lever and REC button. And as before, Laser Touch makes it easy to browse through thumbnail images of recorded scenes and access menu selection.

Power-linked operation, long offered by JVC, goes a step further this year. Simply opening the LCD monitor automatically opens the built-in lens cover and powers up the camcorder. Closing the LCD also closes the lens cover and shuts down the power. With Quick Restart, recording can start in about one second after the LCD is re-opened.

In addition to performance and convenience, the 2009 Everio line offers plenty of style and shooting comfort. A new design features elegant curves, a silver-framed LCD and a comfortable angled grip with a new dual use strap. The strap can be used in the usual camcorder fashion, supporting the user's hand when shooting, or it can be extended and used as a wrist strap like the type on most digital still cameras.

In addition, four new colours have been added for selected models –Topaz Blue, Titanium Gold and Coral Pink, joining the Ruby Red, Sapphire Blue, Onyx Black and Diamond Silver.

Key optional accessories for Everio

DVD Burner

- **CU-VD50** SHARE STATION Direct DVD Burner/Player
- **CU-VD3** SHARE STATION Direct DVD Burner

Data Battery and Charger

- **BN-VF808** Data Battery (730mAh)
- **BN-VF815** Data Battery (1460mAh)
- **BN-VF823** Data Battery (2190mAh)
- **AA-VF8** Battery Charger
- **VU-VT8K** Battery Charger Kit (incl. BN-VF808 Data Battery and AA-VF8 Battery Charger)

Conversion Lens and Filter

- **GL-V0730** Wide-Angle Conversion Lens
- **GL-AT30** Telephoto Conversion Lens
- **GL-A30CPK** Filter Kit

Carrying Bag

- **CB-VM9** Carrying Bag (available in Red, Blue, Black)
- **CB-VM70** Carrying Bag
- **CB-VM80** System Carrying Bag
- **CB-VM30** Multifunction Carrying Bag
- **VU-VM90K** Starter Kit (incl. BN-VF808 Data Battery and CB-VM70 Carrying Bag)

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Approx. recording times for each recording mode and number of storable still images

[HD Everio] HD Hard Disk Camcorder GZ-HD320, GZ-HD300

4 Rec Modes: UXP, XP, SP, EP			Built-in HDD		microSDHC	
			120GB model	60GB model	8GB	4GB
Video	UXP	Avg. 24 Mbps	11 hr	5 hr 30 min	40 min	20 min
	XP	Avg. 17 Mbps	15 hr	7 hr 30 min	1 hr	30 min
	SP	Avg. 12 Mbps	21 hr	10 hr	1 hr 28 min	44 min
	EP	Avg. 5 Mbps	50 hr	25 hr	3 hr 20 min	1 hr 40 min
Stills			9999			

[HD Everio] HD Memory Camcorder (Dual SD Slot) GZ-HM200

Rec Modes			Dual SDHC			
			32GB + 32 GB	16GB + 16GB	8GB + 8GB	4GB + 4GB
Video	UXP	Avg. 24 Mbps	5 hr 20 min	2 hr 40 min	1 hr 20 min	40 min
	XP	Avg. 17 Mbps	8 hr	4 hr	2 hr	1 hr
	SP	Avg. 12 Mbps	11 hr 44 min	5 hr 52 min	2 hr 56 min	1 hr 28 min
	EP	Avg. 5 Mbps	26 hr 40 min	13 hr 20 min	6 hr 40 min	3 hr 20 min
Stills			9999			

[Everio G] Hard Disk Camcorder GZ-MG840, GZ-MG680, GZ-MG645, GZ-MG630

Rec Modes		Built-in HDD		microSDHC	
		120GB model	60GB model	8GB	4GB
Video	Ultra	28 hr 40 min	14 hr 20 min	1 hr 54 min	57 min
	Fine	42 hr 40 min	21 hr 20 min	2 hr 50 min	1 hr 25 min
	Norm	56 hr 20 min	28 hr 10 min	3 hr 46 min	1 hr 53 min
	Eco	150 hr	75 hr	9 hr 56 min	4 hr 58 min
Stills		9999			

[Everio S] Memory Camcorder (Dual SD Slot) GZ-MS120

4GB 54 min		When using 2 SDHC Cards			
		32GB + 32GB	16GB + 16GB	8GB + 8GB	4GB + 4GB
1 hr 20 min	Ultra	15 hr	7 hr 30 min	3 hr 40 min	2 hr
	Fine	22 hr 40 min	11 hr 20 min	5 hr 40 min	2 hr 40 min
	Norm	30 hr	15 hr	7 hr 30 min	3 hr 40 min
	Eco	80 hr	40 hr	19 hr 50 min	10 hr
Stills		9999			

[Everio S] Memory Camcorder (Single SD Slot + Internal Memory) GZ-MS130

Rec Modes		When using an SDHC Card and internal 16GB memory			
		32GB + 16GB	16GB + 16GB	8GB + 16GB	4GB + 16GB
Video	Ultra	11 hr 15 min	7 hr 30 min	5 hr 35 min	4 hr 45 min
	Fine	17 hr	11 hr 20 min	8 hr 30 min	7 hr
	Norm	22 hr 30 min	15 hr	11 hr 15 min	9 hr 20 min
	Eco	60 hr	40 hr	29 hr 55 min	25 hr
Stills	Fine	9999			

Note:

Recording time figures are estimations. There may be cases in which actual recording time becomes shorter depending on the type of content being recorded.

For all models, SD/microSD card is not supplied.

To record video, an SDHC/microSDHC card with Class 4 or higher performance is required. For UXP mode, please use class 6 or higher. SD/microSD memory cards (256MB to 2GB) and SDHC memory cards (4GB to 32GB)/microSDHC memory cards (4GB and 8GB) have been tested for the following brands: Panasonic, Toshiba, SanDisk, ATP. Note that using other media may result in recording failure or data loss.