まったく新しいカムコーダーの時代がやってきました。

It's time for a new kind of camcorder

HYBRID CAMCORDER
DVD HDD

HITACHI
Inspire the Next

Shoot for hours. Edit in minutes. Share in seconds.

The original inventor and champion pioneer of the DVD camcorder, Hitachi is now the first to launch two Hybrid DVD/HDD Camcorders - an entirely new category of camcorder device that allows users to shoot longer and share faster.

Combining the convenience of the DVD format - for easy sharing and archiving - with the capacity of an 8 GB (gigabyte) Hard Disk Drive (HDD), the revolutionary design simplifies and speeds up the home movie making process. Users can now shoot more footage, select required scenes stored on the HDD and burn DVDs to share with friends and family all from the camcorder - without any additional DVD burning hardware or PC connection.

Hybrid DVD/HDD Camcorder
DZ-HS303E

Hybrid DVD/HDD Camcorder
DZ-HS301E

HYBRID CAMCORDER
DVD HDD

Integrated 8 GB HDD

Our Hybrid Camcorders use Hitachi's own 8 GB hard disk drives to deliver outstanding recording times and unbeatable reliability. As one of the leaders in hard drive technology, Hitachi has squeezed all this into a drive just one inch across. Simply, this means you get the capacity you need without the bulk you don't.

Easy dubbing

Hybrid Camcorders make creating the DVDs you want simple. Our one touch easy dubbing feature means you can quickly burn entire movies saved on the HDD to DVD. Just press the button and the camcorder will do the rest. Alternatively you can create your own director's cut by selecting scenes with the thumbnail interface. It's as easy as that.

Multiformat+ compatibility

Whatever the DVD format, the Hybrid Camcorders probably burn it. The Multiformat+ drive will burn DVD-R, DVD-RAM, DVD-RW and DVD+RW. So not only will DVDs play on your home DVD player, they are also compatible with your friends' and family's players too.

1-Second quick start

Life doesn't wait to be filmed. That's why our Hybrid Camcorders feature 1-Second Quick Start from standby – the fastest start-up time on the market. It means you need never worry about missing the moment again.

Photo capture from DVD

Why do people always blink in photographs? Fortunately that's now history with our Hybrid Camcorders. You can now select any frame from your movies and turn it into a still digital photograph. Simply save the photo to an SD card and then print or share by email.

True 16:9 widescreen

Not only do Hybrid Camcorders record in true 16:9 widescreen, their own on-board 2.7" widescreen LCD screen is true 16:9 too. It means that what you see is exactly what you'll get, no cropping, no compromise.

Advanced drop-proofing

Accidents happen. That's why hybrid camcorders have their own (ESP) extra sensory protection drop proofing system to protect the HDD. Their Zero G sensors automatically detect falls of 10 cm or more, suspending read-write activity and cushioning the hard drive for impact. The result is data loss reduced by up to 50%.

More features

Other features you'll find as standard on our innovative new Hybrid Camcorders and range of DVD CAMs:

- **MOVIE MASTER** ensures pictures always look well defined and sounds are crystal clear by minimising distracting audio and background visual clutter.
- **USB 2.0** connection enables you to connect to your PC with high speed data transfer and produce professional movies at home with supplied editing software.
- **The SD card reader** slot allows you to save photos straight onto an SD memory card for easy processing.
- **Electronic Image Stabilisation (EIS)** is an advanced feature that will ensure recording results are smooth and steady.

**Hitachi Hybrid DVD/HDD Camcorder
- convenience and capacity combined**
- **Shoot for hours** – Hard Disk Drive for over 6 hours recording time
- **Edit in minutes** – simple on-board editing
- **Share in seconds** – burn multiple DVD's with just the camera, no need for a PC

DVD Camcorder - convenience
- Playback in home DVD players
- Easy & reliable archiving
- Easy to share

HDD Camcorder - capacity
- No removable media
- Long recording time

The world's only DVD and HDD camcorders. Convenience and capacity combined.

Shoot longer

Whatever you're filming, chances are that the disc will run out at just the wrong moment. But with the Hybrid Camcorders' built-in 8 GB hard disk drives, you can now record up to 6 hours without stopping and without changing discs.

Share faster

Hard disk camcorders are perfect for filming almost any event. Their huge capacity means you can shoot and shoot and shoot. But memories are meant to be shared.
So with our Hybrid Camcorders you can quickly and easily burn the highlights to DVD. You can also make as many copies as you have discs. Right on the spot and right when you need to and without a PC or external DVD burning hardware.

Technical Specifications

MODEL		DZ-HS301E	DZ-HS303E
GENERAL	Design	Gun metal	Black metal
CCD	Pixels	1.3 Megapixel	3.31 Megapixel
	Effective pixels (Movie)	690K	2.2M
	Effective pixels (Still)	1.1M	3.1M
	Size	1/5	1/3
Lens	Lens type	High quality multi coated video lens	
	Optical/Digital zoom	15x/800x	10x/500x
	Lens F No.	F1.2 – 2.8	F1.8 – 3.0
	Filter diameter	30.5mm	37.0mm
LCD	Pixels	123K	
	Size	2.7" (16:9 Widescreen)	
EVF	Pixels (viewfinder)	Colour (200k)	
Camera	Video light	Yes (LCD)	
	Built-in flash	–	Yes
	Accessory shoe	Cold	Hot
	Image stabilisation	EIS (Electronic Image Stabilisation)	
	Minimum illumination	0.3 Lux w/Low light mode	
	Focus	Auto/Manual	
	White balance	Auto/Set/Outdoor/Indoor	
	Iris	Auto/Manual	
	Recording scene modes	Auto/Sport/Portrait/Spotlight/Sand & Snow/Low Light	
Recording Media	HDD	8GB Built in Hitachi HDD	
	DVD	DVD-RAM/-RW/-R/+RW	
Movie Formats/Recording Times	Maximum recording time (HDD)	XTRA: 110min./FINE: 180min./STD: 360min.	
	Maximum recording time (DVD dual sided)	XTRA: 36min./FINE: 60min./STD: 120min.	
Audio Format		2ch Stereo Dolby Digital	
Dubbing function	HDD dubbing to DVD media	DVD-RAM/-RW/-R/+RW	
	One touch dubbing button	Yes	
Still Image	Picture size	JPEG 1280 x 960	JPEG 2016 x 1512
	DCF	Yes	
Photo capture from DVD frame to JPEG		Yes	
Start-up time	1-Second Quick Start	1 sec*	
	Start-up **	3 sec	4 sec
Connectivity	AV/S output	Yes/Yes (multi connector)	
	AV input	No	
	USB (with USB cable)	Yes out only (USB 2.0)	
Finalise button		Yes	
Hitachi Quick Menu (Easy Menu System)		Yes	
Memory card		SD	
Display language text		English/French/Spanish/Italy/German	
Fade setting		White/Wipe/Mono	
PC software		Windows/Mac	
Battery life*** (w/o LCD)		85min (HDD)	120min (HDD)
		70min (DVD)	105min (DVD)
Power consumption (w/o LCD)		3.3W (HDD)	4.6W (HDD)
		3.8W (DVD)	5.1W (DVD)
Supplied battery		DZ-BP07P	DZ-BP14S
Dimensions (W x H x D)		59 x 87 x 125mm	66 x 92 x 136mm
Weight (w/o battery)		435g	485g
Key Features		• DVD+HDD Hybrid-CAM	• DVD+HDD Hybrid-CAM
		• Easy editing and DVD burning without a PC or other external hardware	• Easy editing and DVD burning without a PC or other external hardware
		• DVD-RAM/-RW/-R/+RW & SD Card	• DVD-RAM/-RW/-R/+RW & SD Card
		• 1-Second Quick Start	• 1-Second Quick Start
		• 1.3 Megapixel CCD	• 3.31 Megapixel CCD
		• Photo capture from DVD frame to JPEG	• Photo capture from DVD frame to JPEG
Accessories	Battery pack	Li-ion 680mAh (1hr)	Li-ion 1360mAh (2hr)
	AC adaptor	AC adaptor/charger	
	PC cable	Yes	
	PC software	CD-ROM for Win/Mac	
	Shoulder strap	Yes	
	AC power cord	Yes	
	DC power cord	Yes	
	AV cable	Multi connector w/S terminal	
	Lens cap	Yes	
	Instruction manual	Yes	
	Quick manual	Yes	
	Battery for remote	Lithium button battery	
	Remote controller	Yes	

*Using restart mode   **Turn on after initialised   ***FINE mode recording

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