

HITACHI

Inspire the Next¹



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* In accordance with our policy of constant improvement we reserve the right to alter specifications of products shown in the brochure without prior notice.



"I love watching movies on my DVD player, especially when I made them myself"

Imagine a world of products based around a single disc media – DVD.

Since its launch just a few years ago, DVD has rapidly established itself as one of the most popular home entertainment media ever developed. In countries across the world, consumers have welcomed the format with open arms, captivated by its outstanding performance and convenience.

DVD will be the standard for recording and playback in the home and office. From the outstanding quality of sound and picture to the convenience and user friendly format – the future of camcorders is DVD.

DVDCAM



The performance, convenience and playback of DVD disc format is now available on a camcorder.

Hitachi's new range of DVD Cameras are just like a normal camcorder, but better, because they record on to DVDs instead of tape. So you can make DVD recordings that can be played back in the majority of DVD players and kept for posterity with no deterioration in quality. Think about it.

Instant Playback from disc

Simply Record your child's first steps or a birthday party on your Hitachi DVD camera, then take the disc out of your camera and play it back in your DVD player for all the family to enjoy on the television. And with all the convenience you've come to expect from DVD.



DVD Convenience

The camera's Disc Navigation feature displays a small still image from the opening seconds of every scene you've recorded. Just select the scene you want to see to bring it up on screen. And if you want to watch a favourite scene over and over again, with DVD, it couldn't be easier. No more searching backwards and forwards through the tape. Just select the scene you want and you're there in an instant.

DVD-R Performance

Hitachi DVD Cameras have all the performance too. With DVD-R you will obtain the same unrivalled picture and sound quality you have come to expect from DVD. And because Hitachi's DVD Cameras use a DVD-R disc instead of tape

there is no deterioration in image quality even after repeated playback – so your recordings can be kept indefinitely.

For those of you with lots of recordings on tape then that's no problem; the DZ-MV270E DVD Camera will allow you to copy them on to DVD-R so that you can take advantage of the medium's added convenience. Once you've tried it for yourself, we don't think you'll ever go back to tape.

"Imagine a world of products based around a single disc media"



The great benefit of the Hitachi DVD Camera is the option you have to choose between DVD-R and DVD-RAM formats. Using the DVD-RAM recording feature, you can record over and over again on the same disc, recording both still and moving images, and take advantage of sophisticated, but simple to use, video editing facilities.



- 1 After recording, using the USB cable/port transfer your recording onto your computer's hard drive.
- 2 Using the optional editing kit to make edits to recording
- 3 Burn edited version back onto a DVD-R.



Why DVD-RAM?

Because you don't always want to keep what you record indefinitely. Maybe you're using the DVD Camera for work, so you only need the footage for as long as the project you're working on lasts. Or, if you have access to a PC, you can keep the original recording on your computer's hard drive or record onto DVD-R, and reuse your DVD-RAM disc for the next project.

Easy editing

Editing your DVD-RAM recordings could not be easier. All Hitachi DVD Cameras offer in-camera editing, which enables you to rearrange the scenes you record in any order you like and to delete any scenes, or parts of recordings you don't want.

You can even create a "Play List" version of the recording, with scenes moved around or deleted purely in that version, while the original, full recording remains untouched. Up to 99 Play Lists can be created for each DVD-RAM recording.

And of course, you can easily add creative fades and wipes between scenes to give your recordings a more professional look. All this, you can do in the camera, without using any other equipment. But if you want to get really clever, hook up your DVD Camera to a PC...



Advanced editing

With your Hitachi DVD camera connected to your PC, there's no limit to what you can do with your recordings. First, quite simply, you can watch your recordings on any PC with a 4.7Gb-compatible DVD-RAM or DVD-ROM drive.

On Windows PCs, you can also carry out more advanced editing, using the optional DVD

PC editing kit which is available for all Hitachi's DVD Cameras. Simply transfer your recording from the DVD Camera to the PC via a standard USB connection, edit the recording using the software, then copy the edited version back to a DVD-R disc in the DVD Camera. Take out the disc and it's a fully portable version of your favourite home movies. You can even use the DVD Camera as a DVD "burner" to copy other data on to DVD discs, perhaps for archiving important computer data, or for taking it with you on a trip.

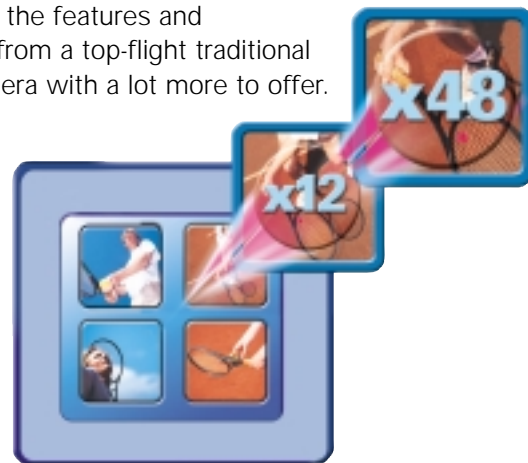
"It's not just different, it's better"

Hitachi's DVD Cameras have all the features and functionality you would expect from a top-flight traditional camcorder or a digital stills camera with a lot more to offer.



Multi-Mode

With Multi-Mode, you can choose to record either regular full motion video, or still pictures or any combination of both on the same DVD-RAM disc. In case you need longer video recording there is a Normal mode which gives you up to 1 hour per side of the disc with slide reduced picture quality. If it's stills that you want, there's plenty of storage on just one disc which can hold almost 2000 still high quality JPEG images, enough for the biggest family album or the longest holiday trip.



Zoom

If you want to get right into where the action is happening you can with the Hitachi DVD Cam. There's a 12x optical zoom, which extends to 240x in digital mode for filming and a 12x optical/48x digital zoom if you are in digital stills mode format.

Image Stabiliser

Whatever the conditions that you find yourself in, our unique image stabiliser ensures rock-steady recording on the move, by reducing digital noise to create images that are smoother and more stable during camcorder recording.



LCD Monitor

Hitachi's DVD Cameras come with the popular format 2.5-inch LCD monitor (3.5-inch on the DZ-MV270E), for composing shots and reviewing them afterwards. It also means that editing in camera is simple and easy.



Variable Bit Rate (VBR) recording*

In this mode, the rate at which images are recorded onto disc is varied to achieve even higher-quality images, and reduce disc usage. Fast-moving subjects are recorded at a higher rate to ensure optimum image quality, while slower-moving or stationary subjects are recorded at a lower bit rate to conserve disc space.

* Not available on the DZ-MV200E

As a digital stills camera

With Hitachi's DVD Cameras you can expect the very best features, including an f2.0 multi-coated aspherical lens, auto focusing, auto-exposure, a self-timer, a sophisticated image stabilizer and all the usability and convenience that you get when you're using the DVD Camera to record moving images. And all of these can be accessed at a touch of a button via the disc navigation button.

All-in-One

The breakthrough that the DVD media allows, is that unlike normal camcorders, there is no need for an editing suite or video mixing equipment to complete your movie – all of these facilities are on the DVD Cam itself or the standard remote control.



"Using the PC editing kit, my home-made movies look as good as anything you see on the television"

Download the files to your PC

It's simple to view your recordings on your home PC. As long as you have a DVD-ROM or DVD-RAM drive you can quickly view your recordings straight off the disc. Or you can easily download your files using the supplied PC CONNECTION KIT SOFTWARE FOR Windows® using an USB interface cable*. With an appropriate DVD software Decoder you can then playback your movies on your PC and move forward to more advanced editing.

The top of the range DVD Cam, DZ-MV270E, supports the new USB 2.0 standard, which makes it faster to download your recordings and stills to your PC. For example a 1GB file will take just only 7 mins to transfer to your PC via this standard.

* Only available on the DZ-MV270E

PC Editing

Some DVD Cam users may like to take editing to the next level into advanced or even professional editing on a personal computer. When you use your Hitachi DVD Camera in conjunction with the optional PC editing kit, you can really begin to unleash the power of Hitachi's digital video and still imaging technology.

The PC kit contains a comprehensive suite of software that will help you make professional-looking edited movies, and much more too.

Optional Editing Kit Contains

● Ulead DVD MovieFactory

The complete DVD editing solution, complete with automatic scene change detection, templates to enable you to create scene



menus for easy navigation, plus burning and playback software.

● Ulead Photo Explorer 7.0

A suite of easy-to-use tools for acquiring, viewing, organising and adjusting video clips and digital still images.

● Cyberlink PowerDVD XP

For maximum DVD video and audio playback entertainment on the PC.

● VOB InstantWrite

Enables you to use your DVD Camera like a computer hard disk for back-up or archiving, with the ability to drag and drop files and create directories.



Perfect Partners

Hitachi's DVD Cameras are part of a family of DVD solutions designed for the way people live their lives today. And within Hitachi's DVD family, there are two DVD products in particular that make perfect partners for your DVD Camera.

DV-P325E

Slimline DVD player, which will show off your home-made DVD movies at their best when you see them on the big screen. As well as DVD and DVD-R discs, the DVP-325E will also handle audio CDs, including CD-R's and CDs recorded in MP3 format.

- Slim Line Design
- Dual Laser Pick up
- Playback on DVD/DVD-R
- Ability to Read MP3/CD/CD-R/CD-RW
- Digital Audio Out/Optical Out/Coaxial Out
- On-Screen Display
- Screen Saver Option
- Remote Control

HTD-K160

If you want to go further, and really explore the potential to the full, the HTD-K160 is a one-box route into the home cinema experience.

- DVD Player with Built in Receiver
- Dual Laser Drive
- DTS/Dolby Digital Decoder
- Playback on DVD/DVD-R/VCD
- Ability to Read MP3/CD/CD-R/CD-RW
- 5 x 50W RMS Output
- Powerful active Subwoofer
- Subwoofer Output of 100W RMS
- Total Power Output of 350W
- Digital Signal Processor
- Digital In/Digital Out
- Digital RDS Tuner



DV-P325E

Whether you want surround sound or not, either of these DVD solutions will make a perfect combination with your Hitachi DVD Camera.



Which one is right for you?

There are three DVD Cameras in the Hitachi range. All come with the convenience and high quality of DVD recording as standard, together with a number of other great features.



DZ-MV200E

- DVD-R and DVD-RAM Recording Modes
- Utilises 8cm DVD-RAM/ DVD-R Disc Media
- Video (MPEG2) & Still (JPEG) Recording modes
- Disc Navigation Feature
- Digital Stereo Sound
- USB 1.1 Compatibility
- 2.5" Colour TFT LCD Monitor
- Standard and Fine Recording Modes

Supplied Accessories

- DVD-R Disc
- A / V Cable
- Battery Pack – 1x(DZ-BP14) Approx. (120) min. Continuous Recording Time⁶
- AC Adaptor with Power Cable
- Remote Control
- 2 x AAA Batteries
- Shoulder Strap
- Lens Cap



DZ-MV230E

- DVD-R and DVD-RAM Recording Modes
- Utilises 8cm DVD-RAM/ DVD-R Disc Media
- Video (MPEG2) & Still (JPEG) Recording modes
- Disc Navigation Feature
- Digital Stereo Sound
- USB 1.1 Compatibility
- 2.5" Colour TFT LCD Monitor
- Standard, Fine and Extra Fine Recording Modes
- Variable Bit Recording
- MegaPixel CCD

Supplied Accessories

- DVD-R Disc
- DVD-RAM Disc (one side only)
- A / V Cable
- Battery Pack – 1x(DZ-BP14) Approx. (120) min. Continuous Recording Time⁶
- AC Adaptor with Power Cable
- Remote Control
- 2 x AAA Batteries
- Shoulder Strap
- Lens Cap

Optional Accessories

PC Editing Kit	(DZ-WINPC3W) ⁵ , USB Cable, USB 1.1 Driver, UDF File System, CyberLink [®] , Power DVD XP, Ulead [®] , DVD Movie Factory [®] SE for DVDCAM, Ulead [®] , Photo Explorer 7 Lite [™]
Battery Pack	(DZ-BP14) Approx. (120) Min. Continuous Recording Time ⁶
Battery Pack	(DZ-BP28) Approx. (240) Min. Continuous Recording Time ⁶
Flash	(DX-FLH3)
DC Light	(DZ-LD9)

Extra-fine Quality mode is not available for DVD-R recording.



DZ-MV270E

- DVD-R and DVD-RAM Recording Modes
- Utilises 8cm DVD-RAM/ DVD-R Disc Media
- Video (MPEG2) & Still (JPEG) Recording modes
- Disc Navigation Feature
- Digital Stereo Sound
- USB 2.0 and 1.1 Compatibility (with PC Connection kit)
- 3.5" Colour TFT LCD Monitor
- Standard, Fine and Extra Fine Recording Modes
- Variable Bit Recording
- MegaPixel CCD
- Audio Video Input

Supplied Accessories

- DVD-R Disc
- DVD-RAM Disc Movie
- PC Connection Kit – USB Cable, USB 2.0 Driver, UDF File System
- A / V Cable
- Battery Pack – 1x(DZ-BP14) Approx. (120) min. Continuous Recording Time⁶
- AC Adaptor with Power Cable
- Remote Control
- 2 x AAA Batteries
- Shoulder Strap
- Lens Cap

MODEL NAME	DZ-MV200E	DZ-MV230E	DZ-MV270E
DVD-RAM/DVD-R FORMAT	Utilises DVD-RAM and DVD-R Disc Media	•	•
	High Quality MPEG2 Video Recording	•	•
	Digital Stereo Sound	•	•
	Flexible Video Recording Mode: (Extra Fine, Fine, Standard Quality)	No Extra Fine	•
	Multi-language Disc Navigation System	•	•
	PC Terminal	USB 1.1	USB 2.0 or 1.1
	Audio/Video Input	-	•
	External Microphone Input	•	•
	Analogue-to-Digital Conversion	-	•
GENERAL	8cm DVD-RAM and DVD-R Recording Capability	•	•
	High Quality MPEG2 Video Recording (DVD Video Recording Standard)	•	•
	Digital Stereo Sound	•	•
DVD-RAM RECORDING	Plays back on DVD-RAM Recorder	•	•
	Variable Bit Rate (VBR) Recording Capability	-	•
	Constant Bit Rate (CBR) Recording Capability	•	•
DVD-R RECORDING	Plays back on most DVD players and DVD-ROM drives ⁴	•	•
	Constant Bit Rate (CBR) Recording Capability	•	•
RECORDING CAPACITY MOVIE	DVD-RAM (Using both sides of disc)		
	Extra-Fine Quality (VBR) ² Recording Time (min)	-	36
	Extra-Fine Quality (VBR) ² Resolution	-	704 x 576
	Fine Quality (CBR) ³ Recording Time (min)/Resolution	60/704 x 480	60/704 x 576
	Standard Quality (CBR) ³ Recording Time (min)/Resolution	120/352 x 480	120/352 x 576
	DVD-R (Using one side of disc)		
	Fine Quality (CBR) ³ Recording Time (min) / Resolution	30 / 704 x 480	30 / 704 x 576
	Standard Quality (CBR) Recording Time (min) / Recording Time Resolution	60/352 x 480	60/352 x 576
	STILL¹ DVD-RAM (Using both sides of disc)		
	Images	1998	1998
	Resolution	1024 x 768	1280 x 960
CAMERA	Multi-Coated Aspherical Lens	•	•
	Wide-Angle Lens	•	•
	1/4" CCD Image Sensor (Pixels) Total	800k	1.1M
	1/4" CCD Image Sensor (Pixels) Movie	410k	880k
	1/4" CCD Image Sensor (Pixels) Still	740k	1.1M
	Zoom Optical / Digital	12x / 240x	12x / 240x
	Image Stabiliser (EIS) - Advanced Stable Pix	•	•
	Minimum Illumination (lower light mode)	0.3 Lx	0.5 Lx
	Lens F Number	2.0 -2.7	2.0 -2.7
	Lens Ring Diameter	37mm	37mm
	Focus - Auto & Manual, Auto Macro	•	•
	White Balance - Auto & Hold	•	•
	Iris - Auto	•	•
	Auto Exposure (Auto, Sport, Portrait, Spot-light, Sand & Snow & Low-light)	•	•
CONVENIENCE	Colour TFT LCD Monitor (200k Pixels) with Active Screen Function	2.5"	3.5"
	Viewfinder	B/W	Colour
	Joy-Stick Controller	•	•
	Analogue-to-Digital Conversion	-	•
	Self Timer for Photo Mode (DVD-RAM only)	•	•
	Recording Time Remaining Display	•	•
	Built-In Playback Speaker with Volume Control	•	•
DISC NAVIGATION	Direct Access to your Recording - no searching like normal tape based Camcorder	•	•
	DVD-RAM		
	Thumbnail Image Display	•	•
	Instant Access Playback (Select, Repeat & Selected Scene)	•	•
	Edit Function (Delete, Move, Divide, Skip, White-Fade, Wipe-Fade & B&W-Fade)	•	•
	Arrange the playback Order	•	•
	Disc Utility Function (Format)	•	•
	DVD-R		
	Thumbnail Image Display	•	•
	Instant Access Playback (Select, Repeat & Selected Scene)	•	•
	Edit Function - Repeat	•	•
	Disc Utility Function	•	•

¹Recording time depends on motion of subject. ²An 8cm DVD-RAM disc is dual sided. To use the other side, the disc must be removed and turned over manually. ³Both JPEG photos and DVD Video Recording formats are recorded on the same disc. ⁴DVD-R discs recorded and finalised by this camcorder may not be compatible with some DVD players and DVD-ROM drives, depending on the player, the DVD-R disc and the condition of the recording. ⁵For PC with USB connection only. Requires Windows 98, ME, 2000, XP (without Optional USB Cards) on IBM PC compatible computer. Minimum hardware requirements: Pentium III or higher CPU, at least 128MB RAM, at least 350MB of available hard drive space for programme installation and CD-ROM for software installation, at least 4 GB hard drive space for video capture and editing, at least 800x600 pixel resolution, 65,536 colour or higher and display card supporting DirectDraw overlay. ⁶Standard Mode Recording with LCD Display Off. All specifications, weights, and dimensions are subject to change without prior notice. Windows[®] 98, ME, 2000, XP is a trademark of Microsoft Corporation. Pentium[®], Celeron[®] is a trademark of Intel Corporation. CyberLink[®], Power DVD XP is a trademark of CyberLink Corporation. Ulead[®], DVD Movie Factory[®] Photo Express[™] is a trademark for Ulead Systems, Inc.