

## DC320

### DVD Camcorder

Item Code: 2691B001

### Overview

Around the world, the name Canon means optical excellence, advanced image processing and superb performance. And Canon digital video camcorders are no exception.

If your choice of recording media is DVD, you'll find a family of capable and technologically sophisticated DVD camcorders built with the Canon know how which you've come to expect in all our products.

Affordable, sleek and easy-to-operate, the Canon DC320 gives you the convenience of DVD technology, along with our exclusive Canon 48x Advanced Zoom- a feature only possible with our industry-leading optical technology. It also boasts our advanced DIGIC DV II image processor, a 1.07 Megapixel CCD, SD card image storage capability, Quick Start and Joystick Control. Add to that the long recording time available thanks to its high capacity battery and low power consumption and you'll see that the DC320 makes it simpler than ever to capture and share all the unforgettable moments of your life.





IMAGE STABILIZER



MEGA PIXEL

# Features

## Canon Exclusive- Genuine Canon 48x Advanced Zoom

Canon is known throughout the world for optical excellence. Every Canon broadcast TV lens, 35mm film camera, digital camera and camcorder share this brilliant optical quality. And now, to take better advantage of that quality, Canon introduces a new **Canon Exclusive** feature.

The Canon 48x Advanced Zoom on the DC320 is just the kind of **exclusive Canon feature** you've come to expect from the leader in imaging and optics. Advanced Zoom extends the power of your zoom and is the longest zoom Canon has ever offered. In both wide angle and telephoto positions, there is virtually no loss in image quality throughout the range. How is this accomplished? With a Genuine Canon lens which remains in constant motion through the entire extended zoom range aided by our proprietary DIGIC DV II image processor.



1x



48x



**Genuine Canon  
Video Lens**

The DC320 offers you more flexibility to get just the shot you need by giving you the choice of Canon 48x Advanced Zoom in default mode or you can select a 37x Optical Zoom or a 2000x Digital Zoom. You will always be able to get the shot you need, no matter how close or far away, and always with the quality you expect from Canon. And with our unique super spectra coating, which reduces flare and ghosting, the image you capture will be cleaner than ever.

## Image Stabilization

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And thanks to Canon's superior electronic expertise, the DC320's image stabilization system corrects camcorder shake instantly. The built-in, high-quality image stabilizer allows you to shoot professional-looking, rock-steady video -- whether you're recording sporting events, your child's birthday party, or a long focal length shot without a tripod. Your life never sits still, and the DC320 will help you capture it all.

## IMAGE STABILIZER



## Record Direct To DVD

The DC320 digital camcorder lets you record directly to DVDs, and lets you shoot and share video through a variety of options. Only 3" (8cm) in diameter, the DC320's DVD-R/-RW discs are compatible with most DVD players and can store up to 30 minutes of video in standard mode and 60 minutes of video in long play mode. They also record to DVD-R DL (dual layer) discs that can store up to 108 minutes of video.



When using the DC320's DVD technology, there's no worry about mistakenly taping over a once-in-a-lifetime piece of footage. Just shoot and the DC320 makes sure you record onto a blank part of the DVD.



You can also review your footage quickly and easily without spending lots of time in rewind or fast-forward searching. With the DC320's Visual Index, you can review your footage at a glance and play the selection you want. You can even select shots and arrange them in a playlist. It's like editing your video right in your camcorder! You can also capture vibrant still images direct to the DVD.

What's more, the finalization process for these DVDs is quick and easy with the DC320. It's just one more reason why you'll love recording direct to DVD with your DC320.

## Canon Exclusive- DIGIC DV II Image Processor



**DIGIC  
DVII**

The Canon DIGIC DV II Image Processor is the next generation of **Canon's exclusive** DIGIC DV signal processing technology. Because video and still images have different color requirements, DIGIC DV II digital signal processing ensures the best image quality for both by specifically optimizing the settings for video and stills. Thanks to DIGIC DV II image processing, the DC320 produces video with improved color reproduction -- especially in skin tones, and dark and light scenes. It also uses a hybrid noise reduction system that employs two types of noise reduction -- for images that are crystal clear.

## Brilliant Video

### Widescreen HR Recording

The DC320 records true High Resolution Widescreen for picture perfect video. Canon's Widescreen HR Mode uses the entire width of the image sensor, capturing true 16:9 widescreen. What difference does it make? It's simple. The more pixels which are captured, the better your final image quality is.



The widescreen story doesn't end there. Even the LCD monitor of your DC320 displays the image in 2.7" widescreen color. From side to side and top to bottom, what you see will be what you get. No need to guess what your final image will look like when you're shooting. Not only that, but the DC320's big, 2.7" LCD screen and .35" widescreen viewfinder let you see exactly what you're recording.



The DC320 also lets you show your great Widescreen HR video on a standard television in letterbox format.



To make it even easier, a Widescreen Button lets you switch from standard 4:3 to 16:9 Widescreen Mode at the touch of your finger. The widescreen feature can also be used in both Program Mode and Easy Recording Mode, as well as with the camcorder's advanced image stabilization.

## Level and Grid Markers

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Level, well-composed shots are simple with the Level and Grid Marker features. Line up the horizon or other horizontal lines with the Level Marker in the viewfinder for level landscapes. Or, use the Grid Marker to help compose the perfect shot. Both markers can be set to white or grey for enhanced visibility, no matter what the background.

## Smooth Zoom Control

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Smooth Zoom Control allows you to choose between three fixed-zoom speeds to ensure smooth, steady zooms automatically.



## Megapixel Performance



**MEGA PIXEL**

With the DC320, you get a 1.07 Megapixel CCD image sensor with a color correction filter. Your video will be sharper, clearer and more true to life, as will your photos. Every sunset on the beach will be more dramatic with every color in the sky faithfully captured. The joy on the face of a child scoring her first goal on the soccer field is recorded just as you saw it.

## Compact Size and Convenience

All of the convenience of recording onto DVD is found in the DC320s slim, lightweight, gracefully designed body. It's compact- only 2.6" wide x 3.5" high x 5" deep (not including grip belt) and weighs just under a pound, making it easy to take the DC320 with you wherever you go.



## Joystick Control



Adding to the ease of using the DC320 is Canon's Joystick Control. The Joystick makes using your camcorder easier than ever. Extra buttons have been eliminated, allowing you to access many functions from one convenient place. The Joystick lets you control Play, Stop, Fast Forward, and Rewind functions during playback. It also controls exposure lock and exposure compensation during recording.



## Easy Menu

The DC320's easy-to-read menu system makes it a breeze to operate. For the ultimate in stress-free shooting, there's the Easy Mode. In this setting, your DC320 automatically chooses the focus, exposure and any additional available parameters to ensure that whatever you're recording comes out looking great. Simply select, point and shoot- there's nothing else to worry about.



## Built-in Lens Cover

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You'll never have to go searching for your lens cover with the DC320's built-in lens cover. There's also no more chance of your lens cap dangling from your camcorder and interfering with your shot or getting in your way.

## Quick Start

With Quick Start, you'll never miss a shot again as you rush to turn your camcorder on and start recording. With this feature, you simply push the Quick Start button to put your DC320 in stand-by mode. Then, with your camcorder in stand-by mode, you can simply push it again and the DC320 begins to record in less than a second. With Quick Start, it's easy to capture the spontaneous and surprising moments that happen in your life. It also saves battery power so you get more recording between charges.



## Stunning Digital Photography

Now, you can leave your digital still camera at home, because, with Canon's advanced technology, you get the best of both video and photography in the DC320. You also have a wealth of photo features usually only found on advanced digital still cameras.

The DC320 helps you make accurate exposures with its histogram display. Special Scene Modes also ensure accurate exposures under a wide variety of difficult lighting conditions. Modes include: Portrait, Sports, Night, Snow, Beach, Sunset, Spotlight, or Fireworks. Plus, Auto Exposure Bracketing automatically shoots three frames: normal exposure, -0.5 EV and +0.5 EV.

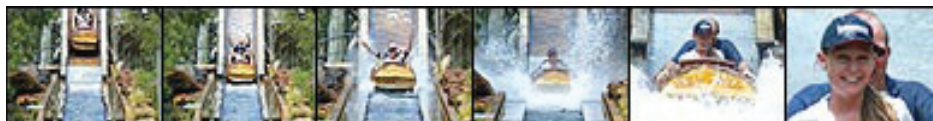


Progressive Photo ensures images with sharp detail, while Image Effects let you adjust the image depending on your subject. Effects include: Vivid, Neutral and Soft Skin Detail.

You also get 9-point AiAF (Auto Intelligent Autofocus) for sharp focus even if your subject isn't in the center of your shot.

No matter how you take your photos, you have the choice of capturing those still images either onto DVD or a SD card.

The DC320 also comes equipped with different Drive modes for greater flexibility. You get: Single Shooting, Continuous Shooting, High Speed Continuous Shooting, and Auto Exposure Bracketing.



## Audio Excellence

To match the brilliance of its video image quality, the DC320 records audio with Dolby Digital Stereo\*. This ensures a complete movie theater experience in the comfort of your living room as you share vivid memories with your friends and families.



\* Dolby and the double-D symbol are registered trademarks of Dolby Laboratories.

## Share Your Videos

Of course, with the convenience of DVDs, it's easy to share your video with friends or family simply by letting them view your finalized discs in their DVD players. You can also watch the video you've just shot by connecting your DC320 to your TV and viewing your unfinalized DVD. (Your DC320 comes with a Composite output terminal.)



## Share Your Photographs

With the DC320, you can print directly from your camcorder to any PictBridge-compatible printer, or store your digital photos on a Secure Digital (SD) Memory Card.



## Additional Features

- **9 Digital Effects/9 Fades** (Camera Mode) add professional-looking touches to your videos.
- **21 Selectable Display Languages** include: English, Japanese, French, German, Spanish, Russian, Simplified Chinese, Traditional Chinese, Korean, Italian, Polish, Romanian, Turkish, Ukrainian, Arabic, Persian, Thai, Greek, Czech, Hungarian and Malay.
- **1 Year Parts And Labor Limited Warranty** provides protection long after other manufacturers' warranties expire.



# Specifications

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## Digital Video

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<b>Power Consumption</b>	TBA
<b>Image Sensor</b>	1/6-inch CCD
<b>Total Pixels</b>	Approx. 1,070,000 pixels
<b>Effective Pixels</b>	disc: 16:9 - approx. 550,000 pixels (ADV.Z off) 16:9 - approx. 710,000 pixels (ADV.Z on, wide) 16:9 - approx. 410,000 pixels (ADV.Z on tele)  card: approx. 800,000 pixels (4:3); 600,000 pixels (16:9)
<b>Maximum recording time</b>	<b>Single Layer: 1.4GB - XP:</b> 20min., SP: 30min., LP: 60min. <b>Dual Layer: 2.8GB - XP:</b> 36min., SP: 54min., LP: 108min.
<b>Lens</b>	<b>Zoom Ratio:</b> 48x Advanced Zoom 37x Optical/2000x Digital <b>Focal length:</b> f=2.6 - 96.2mm <b>Zoom Speed:</b> Variable/3 Fixed Zoom Speeds <b>Max. F/Stop:</b> f/2.0 - 5.2
<b>Minimum Illumination</b>	2 lx (Night Mode)
<b>Recommended Illumination</b>	More than 100 lx
<b>Viewfinder</b>	0.35-inch widescreen EVF (approx. 114,000 pixels)
<b>LCD Screen</b>	2.7-inch widescreen LCD (approx. 112,000 pixels)
<b>Recording Media</b>	DVD-R/-RW/-R DL
<b>Audio</b>	Dolby Digital 2ch (AC-3 2 ch)
<b>Dimensions</b>	(WxHxD) 2.6 x 3.5 x 5 in. (66 x 90 x 126mm)
<b>Weight (not including lens and battery pack)</b>	13.4 oz. (380g) (camcorder body only)

Note: \* ADV.Z - Canon 48x Advanced Zoom



# Supplies & Accessories

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## CA-570 Compact Power Adapter

This compact adapter powers your camera from an AC power supply and charges your batteries on the camera. This allows for uninterrupted recording of your special events and keeps your batteries ready to go.

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## CB-2LW Battery Charger

Use the battery charger to charge the battery packs. It plugs directly into a power outlet without a cable.

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## Car Battery Charger CBC-NB2



## BP-2L14 Battery Pack

Battery Pack - Lithium-Ion batteries, unlike Nickel-Cadmium batteries, have no “memory effect” which can reduce the usable power of the battery over time.

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## STV-250N Mini Plug to RCA

Used to connect to a TV or VCR.

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## Shoulder Strap SS-600

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## SC-A30 Genuine Leather Carrying Case

Once you finish recording, keep your camcorder and all your accessories in this professional-looking, genuine leather soft carrying case.

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## SC-A40 Genuine Leather Carrying Case

Once you finish recording, keep your camcorder and all your accessories in this professional-looking, genuine leather soft carrying case.

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### **SC-A60 Genuine Leather Carrying Case**

Once you finish recording, keep your camcorder and all your accessories in this professional-looking, genuine leather soft carrying case.

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### **Soft Case SC-A70**

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### **SC-2000 Soft Carrying Case**

Protect your camcorder with the professional-quality SC-2000 Soft Carrying Case, featuring secure compartments for filters and extra battery packs.

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### **Battery Pack NB-2LH**

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### **BP-2L24H**

2400mAh Lithium Ion Battery pack.

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**Can't find the part or accessory you're looking for? Customer Support can help.  
Call 1-800-828-4040 for assistance.**

# ***What's in the Box***

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## **DC320 Kit Contents:**

1. DC320 Camcorder
2. Compact Power Adapter CA-570
3. Battery Pack NB-2LH
4. Stereo/Video Cable STV-250N



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