

# **Kodak PlaySport Zx5 User Guide**

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## About Your Camera

Your Kodak PlaySport Zx5 Video Camera brings a new level of toughness to a pocket camcorder.

Whether you're hitting the slopes, tearing up a dirt trail, or exploring the urban jungle, you need a video camera that thrives in the heart of the action. Luckily, that's exactly where the Kodak PlaySport wants to be. Not only does it shoot glorious Full **HD** 1080p video and **5MP** stills, its pocket-sized casing is waterproof, dustproof and shockproof. And with a touch of the Share button, uploading to your social networks couldn't be simpler. Capture your high adrenaline moments with the Kodak PlaySport.

Video Camera Features	Sharing Features
<ul style="list-style-type: none"> <li>• Waterproof to 10ft, Shockproof, Dustproof</li> <li>• On-camera video editing</li> <li>• Underwater capture mode</li> <li>• <b>LCD</b> glare shield feature</li> <li>• 4 fun capture effects</li> </ul>	<ul style="list-style-type: none"> <li>• One touch upload tagging via the Share button</li> <li>• Sharing to most social network sites</li> <li>• Picture sharing</li> <li>• HD video sharing</li> </ul>



Go to [www.kodak.com/go/Zx5support](http://www.kodak.com/go/Zx5support) for:

- the extended user guide
- how-to videos and tutorials
- camera firmware updates
- answers to your frequently asked questions

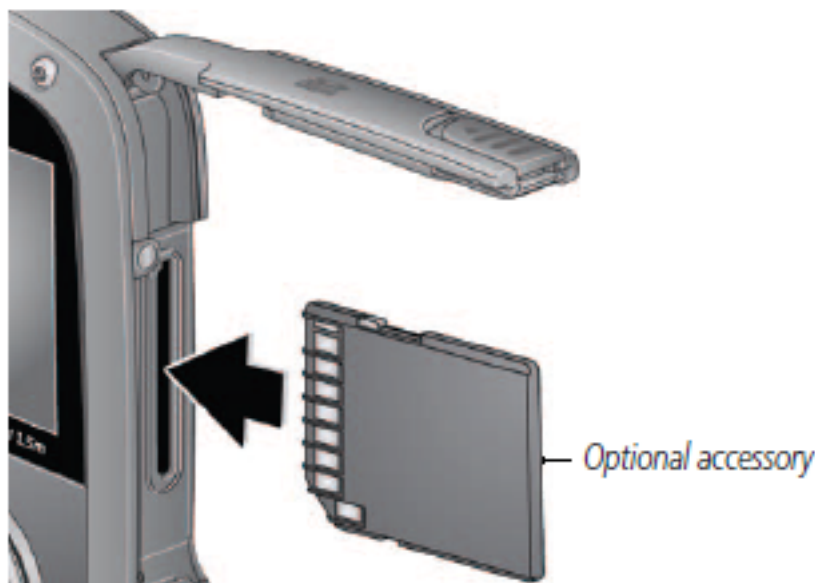
## Insert an SD/SDHC Card

Your camera only has enough internal memory for a few practice videos or pictures.

For the best experience and to use the sharing features - including social networking and email - you must purchase and insert a card (*SDHC* Class 4 or higher; maximum supported size: 32 GB).

**CAUTION:** A card can only be inserted one way. Forcing it may cause damage. Inserting or removing a card while the camera is on may damage the pictures, the card, or the camera.

1. Turn off the camera.
2. Insert the card until it clicks.



**Note:** To remove the card, press and release it, then pull it out.

When you turn on the camera, it checks to see if a card is inserted. If so, new pictures/videos are stored on the card. If no card is inserted, new pictures/videos are stored in the camera's internal memory. If pictures/videos are detected in internal memory and a card is inserted, the camera prompts you to move the pictures to the card (and erase those in internal memory).

## Specifications

<b>Image Sensor</b>	1/3.2-type, 5 MP, CMOS
<b>Lens</b>	5.5 mm, f/2.8; 35 mm equivalent: 48 mm (1080p), 36 mm (720p/60 fps, 720p, WVGA), 36 mm (Still)
<b>Zoom</b>	4X digital
<b>LCD</b>	5 cm (2 in.); 154K pixels
<b>Image Storage</b>	128 MB internal memory (approximately 20 MB available for image storage). Optional SD/SDHC Card. Maximum supported size: 32 GB SDHC.

<b>Focusing System</b>	Auto
<b>Focus Range</b>	<ul style="list-style-type: none"> <li>• Normal: 10 cm (4 in.)–infinity @ Auto; 7–17 cm (2.8–6.7 in.) @ Macro</li> <li>• Underwater: 13 cm (5.1 in.)–infinity @ Auto; 9–22 cm (3.5–8.7 in.) @ Macro</li> </ul>
<b>White Balance</b>	Auto
<b>Exposure</b>	Auto
<b>File Format</b>	<p>Still: JPEG with Kodak EXIF; Video: H.264 (.MP4); Audio: MPEG-4 AAC LC</p> <ul style="list-style-type: none"> <li>• HD 1080p 30 fps</li> <li>• HD 720 60 fps</li> <li>• WVGA (iPad compatible) 30 fps</li> <li>• Still (16:9): 5.3 MP picture</li> </ul>
<b>Video recording limits</b>	< 4GB or < 29 minutes @ HDV
<b>Shutter Speed</b>	Automatically set 1/8000–1/30
<b>Image stabilization</b>	Digital, in all video modes
<b>ISO</b>	Automatically set (100–1600)
<b>Microphone</b>	Mono
<b>Speaker</b>	Mono
<b>I/O Interface</b>	USB 2.0 (high speed); component output; HDMI
<b>Tripod Mount</b>	1/4-in. standard
<b>Power</b>	KODAK 5V AC adapter or built-in Li-ion battery
<b>Battery life</b>	Approximately 120 minutes in video recording mode, 720p @ 30 fps
<b>Waterproof capability</b>	Conforms to IEC60529 IPX8, up to 3 meters (9.8 ft)
<b>Shockproof capability</b>	<p>MIL-STD-810F, Method 516.5, Shock Equivalent 1.5 m (5 ft) onto plywood</p> <p><b>IMPORTANT:</b> <i>The shock resistance and water resistance of this product are based on Kodak test results and do not constitute any guarantee that the product will perform, will not be damaged, or will not malfunction under such conditions. Though the camera is designed to withstand the effects of impact occurring during normal use, impact due to rough handling (such as throwing or dropping it from excessive heights) can cause serious damage. Even if a drop does not result in functional problems, it can cause scratching and other cosmetic damage to the camera.</i></p>
<b>Size</b>	111.9 x 58.2 x 17.7 mm (4.4 x 2.3 x 0.7 in.)
<b>Weight</b>	125 g (4.4 oz) with battery and card
<b>Operating temperature</b>	–40° C (32–104° F); do not expose camera to higher temperatures.

# Glossary

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## HD

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High-definition (*HD*) video is video of higher resolution and quality than standard-definition. While there is no standardized meaning for high-definition, generally any video image with considerably more than 480 horizontal lines (North America) or 576 horizontal lines (Europe) is considered high-definition.

## LCD

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A liquid-crystal display (*LCD*) is a flat-panel display or other electronic visual display that uses the light-modulating properties of liquid crystals.

## MP

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A megapixel (*MP*) is a million pixels; the term is used not only for the number of pixels in an image, but also to express the number of image sensor elements of digital cameras or the number of display elements of digital displays.

## SD

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Secure Digital (*SD*) is a non-volatile memory card format developed by the SD Card Association (SDA) for use in portable devices.

## SDHC

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The Secure Digital High Capacity (*SDHC*) format, defined in version 2.0 of the SD specification, supports cards with capacities up to 32 GB.