

## Canon SX520 HS

# Canon PowerShot SX520 HS Digital Camera Instruction Manual

Model: SX520 HS

## 1. INTRODUCTION

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The Canon PowerShot SX520 HS is a versatile digital camera designed for capturing a wide range of subjects, from expansive landscapes to distant wildlife. It features a powerful 42x optical zoom lens, a 16.0 Megapixel High-Sensitivity CMOS sensor, and the Canon DIGIC 4+ Image Processor, ensuring high-quality images and Full HD video recording. This manual provides essential information for setting up, operating, and maintaining your camera.



Figure 1.1: Front view of the Canon PowerShot SX520 HS Digital Camera.

## 2. KEY FEATURES

- **42x Optical Zoom (24-1008mm) and 24mm Wide-Angle Lens:** Provides extensive reach for various photographic situations.
- **16.0 Megapixel High-Sensitivity CMOS Sensor:** Delivers detailed images, even in challenging lighting conditions.
- **Canon DIGIC 4+ Image Processor:** Enhances image quality and processing speed.
- **1080p Full HD Video Recording:** Capture high-definition video with a dedicated movie button.
- **Optical Image Stabilizer and Intelligent IS:** Reduces blur caused by camera shake for sharper photos and videos.
- **Zoom Framing Assist:** Helps track and capture subjects effectively when using high zoom levels.
- **High Speed AF:** Improves focus speed for quick and precise subject acquisition.

## 3. SETUP

### 3.1. Installing the Battery

1. Open the battery compartment cover located on the bottom of the camera.
2. Insert the supplied Canon battery pack, ensuring the correct orientation as indicated inside the compartment.
3. Close the battery compartment cover until it clicks securely.

### 3.2. Charging the Battery

Use the provided battery charger to charge the battery. Connect the charger to a power outlet and insert the battery. The charging indicator light will show the charging status. A full charge typically takes approximately 2 hours.

### 3.3. Inserting a Memory Card

The camera supports SD, SDHC, and SDXC memory cards.

1. Open the memory card slot cover, usually located near the battery compartment.
2. Insert the memory card with the label facing the front of the camera until it clicks into place.
3. Close the memory card slot cover securely.



Figure 3.1: Camera with included accessories, including battery and charger.

## 4. OPERATING THE CAMERA

### 4.1. Powering On/Off

Press the **[POWER]** button to turn the camera on or off. The lens will extend when powered on.

### 4.2. Basic Photography

1. **Select a Shooting Mode:** Rotate the mode dial (typically on the top of the camera) to select your desired shooting mode (e.g., Auto, Program AE, Manual).
2. **Frame Your Shot:** Use the 3-inch LCD screen to compose your image.
3. **Focus:** Press the shutter button halfway down to autofocus. The camera will confirm focus with a beep

and a green frame.

4. **Capture:** Press the shutter button fully down to take the picture.



Figure 4.1: Rear view of the camera, showing the LCD and control buttons.

### 4.3. Using the Zoom

The camera features a 42x optical zoom. Use the zoom lever, usually located around the shutter button, to zoom in (telephoto) or zoom out (wide-angle). The Zoom Framing Assist button on the side of the lens barrel can help you quickly re-acquire a subject when zoomed in.

### 4.4. Recording Videos

To record a video, press the dedicated **[MOVIE]** button. Press it again to stop recording. The camera records in 1080p Full HD resolution.

### 4.5. Using the Built-in Flash

The camera has a built-in flash. To use it, manually pop up the flash unit. You can select various flash modes (Auto, On/Fill) through the camera's menu or dedicated flash button.



Figure 4.2: Camera with the built-in flash unit extended.

## 5. MAINTENANCE

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### 5.1. Cleaning the Camera

- **Lens:** Use a soft, lint-free cloth or a lens brush to gently remove dust. For smudges, use a lens cleaning solution applied to a cloth, not directly to the lens.
- **LCD Screen:** Wipe gently with a soft, dry cloth. Avoid pressing too hard.
- **Camera Body:** Use a soft, dry cloth to wipe away dust and dirt. Do not use organic solvents or strong cleaning agents.

### 5.2. Storage

When not in use, store the camera in a cool, dry, and well-ventilated area, away from direct sunlight and high humidity. Remove the battery if the camera will not be used for an extended period.

## 6. TROUBLESHOOTING

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### 6.1. Camera Does Not Power On

- Ensure the battery is fully charged and correctly inserted.
- Check if the battery terminals are clean.

## 6.2. Images Are Blurry

- Check if the lens is clean.
- Ensure the camera is properly focused before taking a shot.
- Use a higher shutter speed or enable image stabilization in low light conditions.

## 6.3. Memory Card Error

- Ensure the memory card is inserted correctly.
- Try formatting the memory card (note: this will erase all data).
- Test with a different, compatible memory card.

## 7. SPECIFICATIONS

| Feature                 | Specification                                 |
|-------------------------|---|
| Model Name              | Canon PowerShot SX520 HS                      |
| Photo Sensor Resolution | 16 MP   |
| Optical Zoom            | 42x   |
| Minimum Focal Length    | 24 Millimeters                                |
| Maximum Focal Length    | 1008 Millimeters                              |
| Image Stabilization     | Optical                                       |
| Video Resolution        | FHD 1080p                                     |
| Screen Size             | 3 Inches                                      |
| Flash Memory Type       | SD/SDHC/SDXC                                  |
| Connectivity Technology | HDMI, USB                                     |
| Item Weight             | 15.52 ounces                                  |
| Model Number            | SX520 HS (Manufacturer Part Number: 9544B001) |
| UPC                     | 013803244281                                  |

## 8. WARRANTY AND SUPPORT

### 8.1. Warranty Information

This product comes with a 1-year limited warranty. Please refer to the warranty card included with your product for full details on coverage and terms.

### 8.2. Customer Support

For further assistance, technical support, or service inquiries, please visit the official Canon website or contact Canon customer service. You can find more information and resources at the [Canon Store](#).