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## Canon SD780IS

# Canon PowerShot SD780IS Digital Camera User Manual

## INTRODUCTION

This manual provides essential instructions for using your Canon PowerShot SD780IS Digital Camera. Please read it thoroughly to ensure proper operation and to maximize your camera's capabilities. The Canon PowerShot SD780IS is a compact digital camera featuring a 12.1-megapixel sensor, 3x optical zoom with image stabilization, and HD video recording capabilities.

## WHAT'S INCLUDED

The following items are included with your Canon PowerShot SD780IS Digital Camera:

- PowerShot SD780IS Digital ELPH body
- Lithium-ion battery pack (NB-4L)
- Battery charger (CB-2LV)
- Wrist strap (WS-DC7)
- Digital Camera Solution CD-ROM
- USB interface cable (IFC-400PCU)
- AV cable (AVC-DC400)

## CAMERA PARTS AND CONTROLS

### Front View



This image displays the front of the Canon PowerShot SD780IS camera. Key components visible include the lens, flash, and the AF-assist beam emitter. The lens features 3x optical zoom and image stabilization.

### Rear View



This image shows the rear of the Canon PowerShot SD780IS camera. Prominently featured is the 2.5-inch PureColor LCD II screen. To the right of the screen are the control buttons, including the directional pad with FUNC./SET button, playback button, menu button, and display button, along with the power switch at the top.

## INITIAL SETUP

## Charging the Battery

1. Insert the NB-4L battery into the CB-2LV battery charger.
2. Plug the charger into a power outlet. The charging indicator light will illuminate.
3. Charging is complete when the indicator light changes or turns off (refer to charger instructions for specific behavior).

## Inserting the Battery and Memory Card

1. Open the battery/card compartment cover on the bottom of the camera.
2. Insert the charged NB-4L battery, ensuring correct orientation.
3. Insert a compatible SD, SDHC, MMC, MMC Plus, or HC MMC Plus memory card into the card slot until it clicks into place.
4. Close the compartment cover securely.

## Setting the Date and Time

Upon first power-on or after the battery has been removed for an extended period, the camera will prompt you to set the date and time. Use the directional buttons to navigate and adjust the settings, then press the FUNC./SET button to confirm.

## BASIC CAMERA OPERATION

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### Powering On/Off

Slide the ON/OFF switch located on the top of the camera to power it on or off.

### Shooting Modes

The PowerShot SD780IS offers various shooting modes to suit different conditions.

#### Smart AUTO Mode

In Smart AUTO mode, the camera intelligently analyzes the scene and automatically selects the optimal settings from 18 predefined scenes. This mode simplifies photography, allowing you to focus on composition.

#### Other Shooting Modes

The camera includes 20 Shooting Modes for specific scenarios, such as Portrait, Landscape, Night Snapshot, Indoor, Kids & Pets, and more. Access these modes via the mode dial or menu to optimize settings for your subject.

## Taking Photos

1. Turn on the camera and select your desired shooting mode.
2. Frame your shot using the LCD screen.
3. Press the shutter button halfway down to focus. The camera will confirm focus.
4. Press the shutter button fully down to capture the image.

## Using the Zoom

Use the zoom lever (typically around the shutter button) to adjust the 3x optical zoom. Push the lever towards 'W' for wide-angle and 'T' for telephoto to zoom in on distant subjects.

## Recording HD Movies

The PowerShot SD780IS can record high-definition video at 1280 x 720 pixels. To start recording, switch to movie mode (if available as a dedicated mode) or press the movie record button. Press it again to stop. Videos are saved in .mov format. The camera also features an HDMI output for direct connection to an HDTV.

## Image Playback

Press the playback button (usually indicated by a triangle icon) to view your captured photos and videos. Use the directional buttons to navigate through images. Press the DISP. button to change the information displayed on the screen.

## ADVANCED FEATURES

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### Optical Image Stabilizer (IS)

Canon's Optical Image Stabilizer technology automatically detects and corrects camera shake, reducing blur in photos, especially in low light or when using the zoom. This feature operates automatically to provide clearer images.

### Face Detection Technology

The DIGIC 4 image processor includes advanced Face Detection Technology, which identifies and tracks faces in the frame, ensuring they are in focus and properly exposed with natural skin tones. This also includes a Face Detection Self-Timer, which waits for an additional face to enter the frame before taking a picture.

### i-Contrast (Intelligent Contrast Correction)

i-Contrast adjusts the compensation level in pixel units to brighten dark areas of an image while preserving bright areas. This results in improved detail in shadows and more natural transitions. It can be applied during shooting or in playback mode.

### Red-eye Correction

The camera offers three methods for red-eye correction:

- **During Shooting:** Automatically detects and corrects red-eye as photos are taken.
- **Automatic Playback Correction:** Can be set to automatically correct red-eye during image playback.
- **Manual Correction:** Allows you to manually select and remove red-eye from subjects during image playback.

### ISO Settings

The PowerShot SD780IS features an ISO 1600 setting to reduce camera shake and improve image clarity in low-light conditions. For extremely dark environments, the ISO can be expanded to 3200 when using the ISO 3200 Special Scene mode.

## MAINTENANCE AND CARE

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### Cleaning the Camera

- **Camera Body:** Wipe with a soft, dry cloth. For stubborn dirt, use a cloth lightly dampened with water and then dry thoroughly.
- **Lens:** Use a lens brush to remove dust, then gently wipe with a lens cleaning cloth. Avoid touching

the lens surface with your fingers.

- **LCD Screen:** Use a soft, dry cloth. Avoid harsh chemicals or abrasive materials.

## Battery Care

- Always use the specified battery pack (NB-4L) and charger (CB-2LV).
- Avoid exposing the battery to extreme temperatures.
- If not using the camera for an extended period, remove the battery.

## Storage

Store the camera in a cool, dry, well-ventilated area, away from direct sunlight, high humidity, and dust. Remove the battery before long-term storage.

## TROUBLESHOOTING

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If you encounter issues with your camera, refer to the following common troubleshooting steps:

- **Camera won't turn on:** Ensure the battery is fully charged and correctly inserted. Try reinserting the battery.
- **Images are blurry:** Check if the lens is clean. Ensure the camera is in focus before taking the shot. Use the Optical Image Stabilizer in low light.
- **Memory card error:** Ensure the memory card is correctly inserted. Try formatting the card (this will erase all data). Use a compatible SD/SDHC card.
- **Flash not firing:** Check flash settings to ensure it's not set to 'Flash Off'. Ensure the subject is within flash range.
- **No image on LCD:** Press the DISP. button to cycle through display options. Adjust screen brightness if necessary.

For more detailed troubleshooting, consult the full electronic manual on the included CD-ROM or visit the Canon support website.

## SPECIFICATIONS

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<b>Model Name</b>	Canon PowerShot SD780IS
<b>Effective Still Resolution</b>	12.1 MP
<b>Optical Zoom</b>	3x
<b>Image Stabilization</b>	Optical
<b>Screen Size</b>	2.5 Inches
<b>Display Type</b>	LCD (PureColor LCD II)
<b>Video Resolution</b>	HD 720p (1280 x 720 pixels)
<b>Supported File Format</b>	JPEG (Still), MP4 (Video)
<b>Memory Card Compatibility</b>	SD/SDHC, MMC/MMC Plus/HC MMC Plus
<b>Connectivity</b>	USB, HDMI (mini-HDMI)

<b>Battery Type</b>	Lithium-ion (NB-4L)
<b>Dimensions (Approx.)</b>	Compact form factor
<b>Weight (Approx.)</b>	5.44 ounces

## **WARRANTY AND SUPPORT**

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For information regarding your product's warranty, please refer to the warranty card included in the product packaging or visit the official Canon website. For technical support, service, or additional resources, please contact Canon customer support directly or visit their online support portal.