

Sony DSCHX80

Sony DSCHX80 High Zoom Point & Shoot Camera Instruction Manual

Model: DSCHX80

Brand: Sony

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for operating your Sony DSCHX80 High Zoom Point & Shoot Camera. The DSCHX80 combines a compact design with powerful imaging capabilities, featuring a 30x optical zoom ZEISS Vario-Sonnar T* lens and an 18.2MP Exmor R CMOS sensor. It is designed for users seeking high-quality photos and versatile video recording in a portable package.



Figure 1: Front view of the Sony DSCHX80/B High Zoom Point & Shoot Camera.

2. WHAT'S IN THE BOX

Verify that all items are present in your camera package:

- Sony DSCHX80 Camera Body
- Rechargeable Battery Pack NP-BX1
- AC Adaptor AC-UUD12
- Micro USB Cable
- Wrist Strap
- Instruction Manual (this document)

3. SETUP

3.1. Inserting the Battery and Memory Card

Open the battery/memory card cover located on the bottom of the camera. Insert the NP-BX1 battery pack with the correct orientation until it clicks into place. Insert a compatible SDXC memory card into the slot until it locks. Close the cover securely.

3.2. Charging the Battery

Connect the camera to the AC Adaptor AC-UUD12 using the supplied Micro USB cable. Plug the AC adaptor into a wall outlet. The charge lamp will illuminate during charging and turn off when charging is complete. A full charge provides approximately 390 shots.

3.3. Initial Power On and Settings

Press the ON/OFF button to power on the camera. Follow the on-screen prompts to set the date, time, and language. Ensure these settings are accurate for proper photo and video metadata.

4. OPERATING THE CAMERA

4.1. Basic Shooting Modes

Rotate the mode dial on top of the camera to select your desired shooting mode:

- **Intelligent Auto:** Camera automatically detects the scene and applies optimal settings.
- **Superior Auto:** Analyzes the scene and combines multiple images for enhanced quality, especially in challenging conditions.
- **Program Auto (P):** Allows adjustment of various settings while the camera sets exposure automatically.
- **Aperture Priority (A):** Manually control the aperture (F3.5-F6.4) to adjust depth of field.
- **Shutter Speed Priority (S):** Manually control shutter speed (30s to 1/2000s) for motion control.
- **Manual Exposure (M):** Full manual control over aperture and shutter speed.
- **Memory Recall (MR):** Access up to three sets of customized camera settings.

4.2. Taking Photos

Frame your shot using the 3-inch LCD or the electronic viewfinder. Press the shutter button halfway to focus, then press fully to capture the image. The camera supports continuous shooting at up to 10 frames per second.

4.3. Recording Videos

Press the dedicated MOVIE button to start and stop video recording. The camera supports high-quality XAVC S, AVCHD, and MP4 formats at FHD 1080p resolution. Ensure you have a high-speed SDXC card for XAVC S recording.

4.4. Using the Flash

The camera features a built-in pop-up flash. Press the flash button to deploy it. Available flash modes include Automatic, Rear curtain sync, and Red-eye reduction. Retract the flash when not in use.

4.5. Autofocus

The DSCHX80 utilizes an advanced autofocus system with Eye Detection and 350 autofocus points. In Automatic AF (AF-A) mode, the camera selects the optimal focus method. For specific subjects, use Lock-on AF to maintain focus.

5. ADVANCED FEATURES

5.1. Zoom Capabilities

The camera boasts a 30x optical zoom (24-720mm equivalent) and up to 60x Clear Image Zoom, allowing you to capture distant subjects with clarity. Use the zoom lever around the shutter button to adjust the focal length.

5.2. Image Stabilization

Benefit from 5-axis image stabilization, which significantly reduces camera shake blur in both photos and videos,

especially at longer zoom settings or in low light conditions.

5.3. Electronic Viewfinder (EVF) and Tilt Screen

The built-in retractable OLED Tru-Finder electronic viewfinder provides clear eye-level framing. Additionally, the 3-inch Extra Fine LCD multi-angle display can tilt up by approximately 180 degrees, ideal for selfies and creative low-angle shots.



Figure 2: The Sony DSCHX80/B camera showcasing its 180-degree tilt screen.

5.4. Wi-Fi and NFC Connectivity

Easily connect your camera to smartphones via built-in Wi-Fi with NFC (Near Field Communication). This allows for instant sharing of photos and remote control of the camera using compatible mobile applications.

5.5. Downloadable Camera Apps

Enhance your camera's features with downloadable applications, offering additional creative options and functionalities.

5.6. Product Overview Video

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Video 1: A brief overview of the Sony DSCHX80 camera's features and performance.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Sony DSCHX80 camera, follow these maintenance guidelines:

- **Cleaning:** Use a soft, lint-free cloth to clean the camera body. For the lens, use a lens brush or a specialized lens cleaning cloth and solution. Avoid touching the lens surface directly.
- **Storage:** Store the camera in a cool, dry place away from direct sunlight, dust, and moisture. If storing for extended periods, remove the battery.
- **Battery Care:** Do not expose the battery to extreme temperatures. Charge the battery fully before use and avoid completely draining it regularly to prolong its lifespan.
- **Firmware Updates:** Periodically check the Sony support website for firmware updates to ensure your camera has the latest features and performance improvements.

7. TROUBLESHOOTING

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

- **Camera does not power on:** Ensure the battery is fully charged and correctly inserted.
- **Cannot take photos/record videos:** Check if a memory card is inserted and has sufficient free space. Ensure the lens cap is removed.
- **Images are blurry:** Verify that the autofocus is working correctly. Check for smudges on the lens. Ensure image stabilization is active if shooting handheld.
- **Wi-Fi connection issues:** Ensure the camera and smart device are within range and that Wi-Fi is enabled on both. Restart both devices if necessary.
- **Camera heats up during extended use:** This is normal for digital cameras, especially during video recording or continuous shooting. If it becomes excessively hot, power off the camera and allow it to cool down.

For more detailed troubleshooting, consult the full electronic manual available on the Sony support website.

8. SPECIFICATIONS

Feature	Specification
Model Name	Sony DSCHX80
Photo Sensor Resolution	18.2 MP
Photo Sensor Size	1/2.3-inch Exmor R CMOS
Optical Zoom	30x

Digital Zoom	10x (60x Clear Image Zoom)
Lens Type	ZEISS Vario-Sonnar T* Lens (24-720mm equivalent)
Maximum Aperture	F3.5 (W) - 6.4 (T)
Image Stabilization	5-Axis
Video Resolution	FHD 1080p (XAVC S, AVCHD, MP4)
Screen Size	3 Inches (921k dots, Tilting LCD)
Viewfinder	Electronic (OLED Tru-Finder)
Connectivity	Wi-Fi, NFC, HDMI, USB
Battery Type	Rechargeable Battery Pack NP-BX1
Approx. Weight	1.2 Pounds

9. WARRANTY AND SUPPORT

9.1. Warranty Information

Your Sony DSCHX80 camera comes with a 90-day Limited Hardware Warranty. For full details and terms, please refer to the warranty insert included in your product packaging or visit the official Sony support website.

9.2. Customer Support

For further assistance, technical support, or service inquiries, please visit the official Sony support website or contact their customer service line. You can find contact information and additional resources on the Sony website.