Panasonic DMC-TZ4

Panasonic Lumix DMC-TZ4 Digital Camera User Manual

Model: DMC-TZ4

1. Product Overview

The Panasonic Lumix DMC-TZ4 is an 8.1-megapixel digital camera featuring a 10x optical zoom Leica DC lens. It is designed for ease of use while offering advanced imaging technologies such as MEGA Optical Image Stabilization and Intelligent Auto modes. This manual provides essential information for setting up, operating, and maintaining your camera.



Figure 1: Front view of the Panasonic Lumix DMC-TZ4 Digital Camera. This image displays the camera's compact body, the Leica DC lens with 10x optical zoom, and the flash unit.

2. Key Features

- **8.1-Megapixel CCD Sensor:** Captures high-resolution images suitable for large prints.
- **10x Optical Zoom Leica DC Lens:** Features a versatile 28mm wide-angle to 280mm telephoto focal range.
- **MEGA O.I.S. (Optical Image Stabilizer):** Minimizes blur caused by hand-shake for sharper photos.
- **Intelligent Auto (iA) Mode:** Automatically selects optimal settings for various shooting conditions, including Intelligent Exposure, Intelligent ISO, Intelligent Scene Selector, and Face Detection.
- **Venus Engine IV:** Advanced image processing LSI for improved noise reduction and faster performance.
- **2.5-inch Intelligent LCD:** Automatically adjusts brightness for clear viewing in diverse lighting.
- **HD Motion Picture Recording:** Records videos in 1920 x 1080-pixel resolution (output via component).
- **SD/SDHC Memory Card Compatibility:** Supports standard memory cards for storage.

3. Setup

3.1. Charging the Battery

1. Insert the supplied Lithium-Ion battery into the battery charger.
2. Plug the charger into a power outlet. The charging indicator light will illuminate.
3. Charging is complete when the indicator light turns off. A full charge typically takes approximately 2 hours.

3.2. Inserting the Battery and SD Card

1. Open the battery/card compartment cover located on the bottom of the camera.
2. Insert the charged battery with the correct orientation, ensuring it clicks into place.
3. Insert an SD or SDHC memory card into the card slot until it clicks. Ensure the card is facing the correct direction.
4. Close the compartment cover securely.

3.3. Initial Power On and Date/Time Setting

1. Press the **POWER** button to turn on the camera.
2. If prompted, set the date, time, and time zone using the camera's navigation buttons and **SET**/**MENU** button.
3. Confirm your settings.

4. Operating the Camera

4.1. Basic Shooting

1. Turn on the camera using the **POWER** button.
2. Rotate the mode dial to select a shooting mode. For general use, select **Intelligent Auto (iA)** mode.
3. Frame your subject using the LCD monitor.
4. Press the shutter button halfway down to focus. The focus frame will turn green when focus is achieved.
5. Press the shutter button fully to take the picture.

4.2. Zoom Operation

Use the zoom lever located around the shutter button to adjust the focal length. Push the lever towards **W** for wide-angle (zooming out) and towards **T** for telephoto (zooming in).

4.3. Intelligent Auto (iA) Mode

In iA mode, the camera automatically detects the scene and applies optimal settings. This includes:

- **Intelligent Exposure:** Adjusts brightness in dark or backlit areas.
- **Intelligent ISO:** Sets ISO sensitivity and shutter speed to prevent blur from subject movement.
- **Intelligent Scene Selector:** Automatically chooses from Portrait, Scenery, Macro, Night Portrait, or Night Scenery modes.
- **Face Detection:** Optimizes focus and exposure for up to 15 faces in the frame.
- **MEGA O.I.S.:** Activates optical image stabilization.

4.4. Recording Videos

1. Rotate the mode dial to the movie camera icon.
2. Press the shutter button to start recording.
3. Press the shutter button again to stop recording.

4.5. Playback

1. Press the **PLAYBACK** button (usually indicated by a triangle icon).
2. Use the navigation buttons to scroll through your photos and videos.
3. Press the **MENU/SET** button to access playback options.

5. Maintenance

5.1. Cleaning the Camera

- **Camera Body:** Wipe with a soft, dry cloth. For stubborn dirt, use a cloth lightly dampened with water, then wipe dry. Avoid using organic solvents.
- **Lens:** Use a lens brush to remove dust, then gently wipe with a lens cleaning cloth. Do not touch the lens surface with your fingers.
- **LCD Monitor:** Gently wipe with a soft, dry cloth. Avoid pressing hard on the screen.

5.2. Battery Care

- Store batteries in a cool, dry place when not in use.
- Avoid fully discharging the battery frequently to prolong its lifespan.
- If the camera will not be used for an extended period, remove the battery.

5.3. Memory Card Handling

- Always format new memory cards in the camera before first use.
- Do not remove the memory card while the camera is writing data (indicator light is on).
- Keep memory cards away from strong magnetic fields and static electricity.

6. Troubleshooting

Problem	Possible Cause / Solution
Camera does not power on.	Battery is discharged. Charge the battery. Battery is inserted incorrectly. Reinsert the battery with correct orientation.

Problem	Possible Cause / Solution
Pictures are blurry.	Camera shake. Hold the camera steady or use MEGA O.I.S. Subject moved. Use Intelligent ISO or a faster shutter speed. Out of focus. Ensure the camera focuses correctly (green focus frame).
Red-eye in flash photos.	Use the Red-eye Reduction flash mode.
Cannot record images/videos.	Memory card is full. Delete unnecessary files or insert a new card. Memory card is locked. Unlock the write-protect switch on the card. Memory card error. Format the card (this will erase all data).
LCD screen is dark/bright.	Intelligent LCD is adjusting brightness automatically. This is normal operation.

7. Specifications

Feature	Detail
Model Number	DMC-TZ4
Photo Sensor Resolution	8.1 MP
Optical Zoom	10x
Lens	Leica DC Vario-Elmar (28-280mm equivalent)
Image Stabilization	MEGA O.I.S. (Optical Image Stabilizer)
LCD Screen	2.5-inch TFT LCD (230,000 dots) with Intelligent LCD
ISO Sensitivity	Auto / 100 / 200 / 400 / 800 / 1600 (High Sensitivity Mode: 1600-6400)
Shutter Speed	60 - 1/2000 seconds
Video Recording	Max. 848 x 480 (WVGA), 640 x 480 (VGA), 320 x 240 (QVGA) at 30 fps
Storage Media	SD Memory Card, SDHC Memory Card
Battery Type	Lithium-Ion Battery Pack
Dimensions (W x H x D)	Approx. 103.3 x 59.3 x 36.5 mm (4.07 x 2.33 x 1.44 inches)
Weight	Approx. 180g (0.40 lbs) with battery and SD card

8. Warranty and Support

8.1. Warranty Information

This Panasonic Lumix DMC-TZ4 camera comes with a **90-day limited warranty**. Please refer to the warranty card included with your product for specific terms and conditions. This warranty covers manufacturing defects under normal use.

8.2. Customer Support

For technical assistance, service, or further inquiries, please visit the official Panasonic support website or contact their customer service. You can typically find support information at www.panasonic.com/support (link provided as a general example, actual link may vary by region).

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