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Model: DMC-G1

1. INTRODUCTION

The Panasonic Lumix DMC-G1 is a 12.1-megapixel Micro Four Thirds interchangeable lens digital camera. It features a compact design, a Live View Finder, a 3.0-inch LCD, and a Contrast AF (Auto Focus) system. This manual provides essential information for setting up, operating, and maintaining your camera.

2. WHAT'S IN THE BOX

Verify that all items are present in your product packaging:

- Panasonic Lumix DMC-G1 Digital Camera Body
- Lumix G Vario 14-45 mm f/3.5-5.6 ASPH Mega OIS Lens
- Battery Pack
- Battery Charger
- USB Cable
- Shoulder Strap
- Body Cap
- Lens Caps

3. KEY FEATURES

- **12.1-megapixel 4/3-type MOS sensor:** Delivers high-resolution images.
- **Lumix G Vario 14-45 mm F3.5-F5.6 ASPH.Mega OIS lens:** Versatile zoom lens with optical image stabilization.
- **Live View Finder and 3.0-inch LCD:** Bright 460,000-dot resolution for clear viewing and composition.
- **New Contrast AF function:** Provides precise and fast autofocus.
- **Face Detection and Intelligent Auto (iA) mode:** Simplifies shooting for optimal results.
- **SD/SDHC/Multimedia card compatibility:** Supports various memory card types for image storage.

4. SETUP

4.1 Attaching the Lens

Align the white index mark on the lens with the white index mark on the camera body. Rotate the lens clockwise until it clicks into place. To remove, press the lens release button and rotate counter-clockwise.

4.2 Inserting the Battery

Open the battery compartment cover located at the bottom of the camera. Insert the battery with the correct orientation, ensuring the contacts align. Close the cover securely.

4.3 Inserting a Memory Card

Open the memory card slot cover. Insert an SD or SDHC memory card with the label facing the front of the camera until it clicks. Close the cover securely.



Figure 4.1: Front view of the Panasonic Lumix DMC-G1 camera with the kit lens attached.

5. OPERATING THE CAMERA

5.1 Power On/Off

Slide the power switch to the ON position to turn on the camera. Slide it to OFF to power down.

5.2 Using the Viewfinder and LCD

The DMC-G1 features both an electronic viewfinder (EVF) and a vari-angle 3.0-inch LCD screen. Use the LVF/LCD button to switch between the two displays. The LCD can be rotated for flexible shooting angles.



Figure 5.1: Rear view of the DMC-G1 with the LCD screen open, showing controls.



Figure 5.2: Rear view of the DMC-G1 with the LCD screen closed.

5.3 Shooting Modes

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

- **Intelligent Auto (iA):** Camera automatically selects optimal settings.
- **Program AE (P):** Camera sets aperture and shutter speed, you control other settings.
- **Aperture Priority AE (A):** You set aperture, camera sets shutter speed.
- **Shutter Priority AE (S):** You set shutter speed, camera sets aperture.
- **Manual Exposure (M):** You control both aperture and shutter speed.
- **Scene Modes:** Pre-set modes for specific situations (e.g., Portrait, Landscape).

5.4 Autofocus and Exposure Lock

Press the shutter button halfway to activate autofocus and exposure. The AF/AE LOCK button can be used to lock focus and exposure settings before recomposing your shot.

6. IMAGE AND VIDEO CAPTURE

6.1 Photo Settings

- **Resolution:** 12.1 MP effective still resolution.
- **File Format:** JPEG (Normal quality) and RAW.
- **ISO Sensitivity:** Expanded range from 100 to 1600.
- **White Balance:** Automatic setting available.
- **Continuous Shooting:** Up to 3 frames per second.

6.2 Video Recording

The camera supports movie mode for video capture. Refer to the on-screen menu for specific video recording options and settings.

7. MAINTENANCE

7.1 Cleaning the Camera

- Use a soft, dry cloth to clean the camera body.
- For the lens and LCD screen, use a specialized lens cleaning cloth and solution.
- Avoid using strong chemical cleaners.

7.2 Storage

When not in use, store the camera in a dry, cool place away from direct sunlight and dust. Remove the battery if storing for extended periods.

8. TROUBLESHOOTING

8.1 Camera Does Not Power On

- Ensure the battery is fully charged and correctly inserted.
- Check that the power switch is in the ON position.

8.2 Images Are Blurry

- Verify that the lens is clean and free from smudges.
- Ensure the camera is properly focused on the subject.
- Check shutter speed; use a faster shutter speed or image stabilization in low light.

8.3 Memory Card Error

- Reinsert the memory card.
- Try a different, compatible memory card.
- Format the memory card (note: this will erase all data).

9. SPECIFICATIONS

Feature	Specification
Model Name	Panasonic Lumix G1
Photo Sensor Resolution	12.1 MP
Photo Sensor Size	Micro Four Thirds
Sensor Type	MOS
Compatible Mountings	Micro Four Thirds
Image Stabilization	Dual (Lens-based OIS)
Lens Type	Zoom (Standard Zoom Lens)
Minimum Focal Length	14 Millimeters
Maximum Focal Length	45 Millimeters
Optical Zoom	3.2 x
Maximum Aperture	3.5 f
Supported File Format	JPEG, RAW
Expanded ISO Minimum	100
Expanded ISO Maximum	1600
Exposure Control	Automatic, Manual, Program (P)
Shooting Modes	Automatic, Manual, Portrait, Scene
Continuous Shooting	3 fps
Auto Focus Technology	Contrast Detection
Autofocus Points	23
Display Type	LCD
Screen Size	3 Inches
Viewfinder	Electronic
Compatible Flash Memory Type	SD, SDHC
Connectivity Technology	HDMI, USB
Battery Type	Lithium Ion
Item Weight	4.54 g

10. WARRANTY AND SUPPORT

10.1 Warranty Information

This product comes with a 90-day parts and labor warranty. Please retain your proof of purchase for warranty claims. For specific terms and conditions, refer to the warranty card included with your product.

10.2 Customer Support

For further assistance, technical support, or service inquiries, please visit the official Panasonic support website or contact your local Panasonic customer service center. Contact information can typically be found on the Panasonic website or in the documentation provided with your camera.