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› Panasonic LUMIX DMC-G3 Digital Camera Instruction Manual

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Model: DMC-G3KK

1. INTRODUCTION TO THE LUMIX DMC-G3

The Panasonic LUMIX DMC-G3 is a 16-megapixel Micro Four-Thirds interchangeable lens camera designed to offer the benefits of a DSLR in a compact and lightweight form factor. It combines advanced imaging technology with user-friendly features, making it suitable for both experienced photographers and beginners.

Key features include a 16-megapixel Live MOS sensor, the Venus Engine FHD for superior image processing, a 3.0-inch free-angle touch-screen LCD, and Full HD 1080/60i video recording capabilities. The camera also boasts a fast Light Speed Auto Focus system and various shooting modes to enhance creative control.



Figure 1: Front-right view of the Panasonic LUMIX DMC-G3 camera with the 14-42mm lens.

2. SETUP GUIDE

2.1. Battery and Memory Card Installation

To begin using your LUMIX DMC-G3, ensure the battery is fully charged and correctly inserted. Open the battery/card compartment cover located at the bottom of the camera. Insert the battery with the correct orientation, then insert an SD/SDHC/SDXC memory card until it clicks into place. Close the compartment cover securely.

2.2. Attaching the Lens

The LUMIX DMC-G3 utilizes the Micro Four Thirds system, allowing for interchangeable lenses. Align the white mounting mark on the lens with the white mounting mark on the camera body. Rotate the lens clockwise until it clicks into place. To detach, press the lens release button on the camera body and rotate the lens counter-clockwise.

3. OPERATING THE CAMERA

3.1. Camera Controls and Display

The DMC-G3 features an intuitive layout with an external Mode dial for quick access to various shooting modes. The 3.0-inch free-angle LCD provides touch control for menus, shooting, focusing, and playback. An electronic viewfinder is also available for traditional eye-level shooting.



Figure 2: Rear view of the Panasonic LUMIX DMC-G3, highlighting the articulated LCD and control buttons.



Figure 3: Top view of the Panasonic LUMIX DMC-G3, showing the mode dial and hot shoe.

3.2. Shooting Modes

- **Program AE (P):** The camera automatically sets the aperture and shutter speed.
- **Shutter-Priority AE (S):** You set the shutter speed, and the camera sets the aperture.
- **Aperture-Priority AE (A):** You set the aperture, and the camera sets the shutter speed.
- **Manual Exposure (M):** You control both aperture and shutter speed.
- **Scene Modes:** Pre-set modes for specific scenarios (e.g., Portrait, Scenery, Sports, Night Portrait).
- **Creative Control Mode:** Apply various artistic effects directly in-camera (e.g., Expressive, Retro, High Key).
- **Intelligent Auto (iA/iA+):** Fully automatic mode that optimizes settings for the detected scene.

3.3. Focusing

The LUMIX DMC-G3 features advanced autofocus capabilities:

- **Light Speed AF:** Achieves focus as fast as 0.1 seconds, minimizing shutter lag.
- **Full Area Focusing:** Allows you to set the focus point anywhere on the LCD screen by touch.

- **Pinpoint AF:** Provides pixel-level precision for critical focus, ideal for macro or detailed shots.
- **AF Tracking:** Locks onto a subject and maintains focus even if the subject moves, available for both stills and video.

3.4. Continuous Shooting

Capture fast-moving subjects with continuous shooting modes:

- Up to 4 frames per second (fps) at full 16-megapixel resolution with mechanical shutter.
- Up to 20 fps at 4-megapixel resolution using the electronic shutter.

3.5. Video Recording

The DMC-G3 supports Full HD video recording in AVCHD format.

- **Resolution:** 1920x1080 at 60i (NTSC) or 50i (PAL).
- **Audio:** Built-in stereo microphone with Dolby Digital Stereo Creator and wind-cut function.
- **Connectivity:** Playback on HD-compatible TVs via optional HDMI mini cable.

Your browser does not support the video tag.

Video 1: This video provides a comprehensive overview of the Panasonic LUMIX DMC-G3's key features, including its compact design, high image quality in both photos and videos, the new 16.0-megapixel Live MOS Sensor, Venus Engine FHD, stunning low-light performance, Light Speed AF, 4fps full-resolution shooting, Full Area Focusing, Pinpoint AF, Free-Angle LCD, Full HD video recording, AF Tracking, and the wide range of available lenses.

4. MAINTENANCE

4.1. Dust Reduction System

The LUMIX DMC-G3 is equipped with a Dust Reduction System to prevent dust from accumulating on the image sensor. A supersonic wave filter vibrates at approximately 50,000 times per second to repel dust and other particles. For persistent dust, consult a professional service center.

4.2. 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, applying gently.
- Avoid using strong chemical cleaners or abrasive materials.

5. TROUBLESHOOTING

If you encounter issues with your Panasonic LUMIX DMC-G3, please refer to the following general troubleshooting tips:

- **Camera not powering on:** Ensure the battery is fully charged and correctly inserted. Check if the battery contacts are clean.
- **Images are blurry:** Verify that the lens is clean and properly attached. Check focus settings (autofocus or manual focus) and ensure sufficient lighting. Consider using image stabilization if available.
- **Memory card error:** Ensure the memory card is inserted correctly and is not full. Try formatting the card (this will erase all data, so back up first). Use a compatible SD/SDHC/SDXC card.
- **Video recording issues:** Check available memory card space. Ensure the correct video format and resolution settings are selected.

- **LCD screen not working:** Check if the screen is folded correctly. Ensure the camera is powered on.

For more detailed troubleshooting or issues not covered here, please consult the official Panasonic support website or contact customer service.

6. SPECIFICATIONS

Feature	Detail
Model Name	Panasonic LUMIX G3
Photo Sensor Resolution	16 MP
Photo Sensor Size	Four Thirds (17.3 x 13 mm)
Compatible Mountings	Micro Four Thirds
Image Stabilization	Optical
Video Resolution	FHD 1080p (1920x1080)
Frame Rate	60 FPS (interlaced)
Supported File Format	AVCHD, Motion JPEG
Screen Size	3 Inches
Display Type	LCD (Articulating, Touch Screen)
ISO Range (Expanded)	160 - 6400
Processor	Venus Engine FHD
Connectivity	USB, HDMI
Continuous Shooting	4 fps (full resolution)

7. WARRANTY AND SUPPORT

7.1. Legal Disclaimer

BODY SERIAL #001064, LENS \$024783 FULL 14 DAY NO HASSLE SATISFACTION GUARANTEE AND A 90 DAY PARTS AND LABOR WARRANTY.

7.2. Customer Support

For further assistance, technical support, or warranty claims, please visit the official Panasonic support website or contact their customer service department. Keep your purchase receipt and product serial number handy for faster service.

You can visit the Panasonic Store on Amazon for more information:[Panasonic Store](#)