Panasonic DC-G9M2L

Panasonic LUMIX G9II Micro Four Thirds Camera

Model: DC-G9M2L

Instruction Manual

1. INTRODUCTION

The Panasonic LUMIX G9II (DC-G9M2L) is a high-performance mirrorless camera designed for both photographers and videographers. It features a 25.2MP Micro Four Thirds imaging sensor and an advanced processing engine, delivering exceptional image quality and versatile video recording capabilities. This manual provides essential information for setting up, operating, and maintaining your camera.

Figure 1: Panasonic LUMIX G9II camera with attached 12-60mm lens.

2. WHAT'S IN THE BOX

Upon unboxing your Panasonic LUMIX G9II, ensure all the following items are present:

- Camera Body
- 12-60mm F2.8-4.0 Lens
- Battery Pack
- Battery Charger
- USB Connection Cable
- Shoulder Strap
- Body Cap
- Lens Cap
- Lens Hood

Note: The specific accessories may vary based on the package and region.

3. KEY CAMERA FEATURES

- **High-Performance Sensor:** The Panasonic Lumix G9 II features a 25.2MP Live MOS Micro Four Thirds sensor, delivering outstanding image quality with rich tonal gradations and precise color reproduction.

- **Versatile Video Capabilities:** This mirrorless camera supports C4K/4K 60p 4:2:2 10-Bit video recording and boasts a unique 100MP Handheld High-Res Mode, making it a versatile choice for both photographers and videographers.

- **Advanced Autofocus:** With a Phase Hybrid AF system and 779 phase-detection points, the G9 II offers fast and precise autofocus, complemented by AI-powered recognition technology for real-time subject tracking, even in challenging conditions.

- **Stabilization and Durability:** Dual I.S. 2 combines 5-axis sensor stabilization with lens-based 2-axis stabilization, ensuring sharp and clear images when shooting handheld. The camera features a weather-sealed design, making it suitable for various environments.

- **Connectivity and Workflow:** Equipped with dual SD card slots, Wi-Fi, and Bluetooth connectivity, the G9 II offers seamless file transfer and remote control. Its advanced video features, such as V-Log support and ProRes 422 recording, enhance your creative capabilities.

4. INITIAL SETUP

4.1. Charging the Battery

Before first use, fully charge the included battery pack using the provided charger. Insert the battery into the charger and connect the charger to a power outlet. The charging indicator will show the charging status.

4.2. Inserting the Battery and Memory Card

Open the battery/card compartment cover located at the bottom of the camera. Insert the charged battery with the correct orientation. Insert an SD memory card (UHS-II recommended for optimal performance) into one of the two available slots until it clicks into place. Close the cover securely.

Figure 2: Side view of the camera showing the memory card slots and connectivity ports.

4.3. Attaching the Lens

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

5. OPERATING THE CAMERA

5.1. Power On/Off

To power on the camera, slide the power switch located on the top plate. To power off, slide the switch again.

5.2. Basic Shooting Modes

The mode dial on the top of the camera allows you to select various shooting modes:

- **P (Program AE):** The camera automatically sets the aperture and shutter speed.
- **A (Aperture Priority AE):** You set the aperture, and the camera sets the shutter speed.

- **S (Shutter Priority AE):** You set the shutter speed, and the camera sets the aperture.
- **M (Manual Exposure):** You set both aperture and shutter speed.
- **Custom Modes (C1, C2, C3):** Save your preferred settings for quick recall.

5.3. Autofocus System

The G9II features a Phase Hybrid AF system with 779 phase-detection points for rapid and accurate focusing. AI-powered recognition technology allows for real-time tracking of subjects, including humans, animals, vehicles, and motorcycles.

新開発 25.2M Live MOS センサー＆最新世代ヴィーナスエンジン
高解像と高速レスポンスを両立

新開発 Live MOSセンサーは、位相差センサーによる高精度な像面位相差 AF を実現しながら、広いダイナミックレンジと高速レスポンスを両立。読み出し速度の高速化により、連写速度の高速化を可能にし、高い解像感で写し撮ります。最新世代ヴィーナスエンジンは、センサーから出力される高画素の画像情報を高速処理し、高精細かつ自然な質感描写、高い解像感と立体描写を実現します。
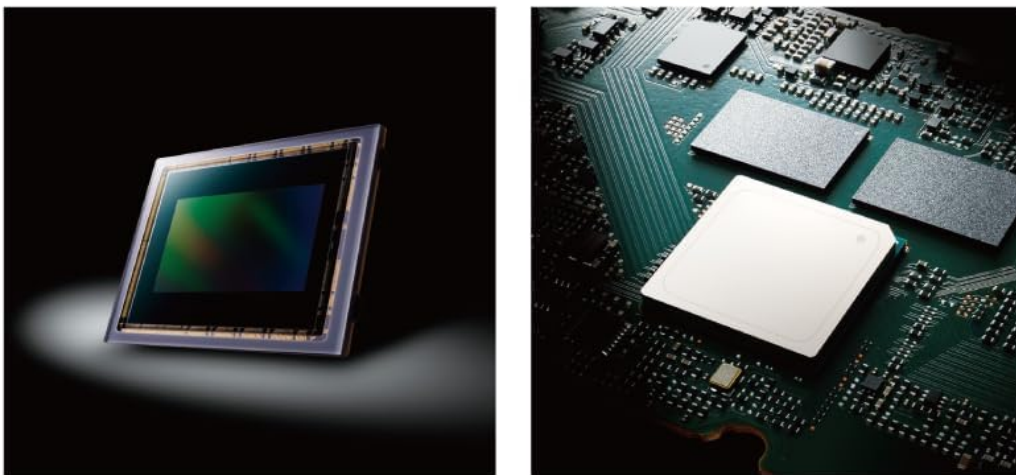
Figure 3: Advanced autofocus system with subject tracking capabilities.

5.4. Image Stabilization

The camera incorporates Dual I.S. 2, combining 5-axis in-body image stabilization with 2-axis lens-based stabilization. This system provides up to 7.5 stops of compensation, allowing for sharp handheld shots even in challenging conditions.

手持ち撮影の可能性を広げる手ブレ補正システム

B.I.S.：8段 ※1 / Dual I.S. 2：7.5段 ※2

カメラボディ搭載のボディ内手ブレ補正（B.I.S.）は、シャッター速度8段分 ※1 の補正性能、レンズ内手ブレ補正（O.I.S.）と連動して制御する「Dual I.S. 2」により、中望遠から望遠域の撮影時にもシャッター速度7.5段分 ※2 を補正。また動画撮影時の手持ち撮影を強力にサポートする「アクティブI.S.」も搭載し、歩き撮りの手ブレも最適に補正します。

●画像はイメージです。

※1 CIPA 規格準拠。Yaw/Pitch 方向：焦点距離 f=60mm（35mm 判換算 f＝120mm）、H-ES12060 装着時。※2 CIPA 規格準拠。Yaw/Pitch 方向：焦点距離 f=140mm（35mm 判換算 f=280mm）、H-FSA14140 装着時。

Figure 4: Dual I.S. 2 for enhanced image and video stability.

6. VIDEO RECORDING

The LUMIX G9II offers extensive video recording options:

- **4K 60p 10-Bit:** Record DCI 4K and UHD 4K video at 60 frames per second with 10-bit color depth.
- **C4K/4K 120p:** Achieve high-frame-rate video for slow-motion effects.
- **V-Log:** Utilize V-Log for a flat color profile, maximizing dynamic range for professional color grading.
- **ProRes 422 HQ:** Record high-quality ProRes 422 HQ and 10-bit 4:2:2 All-Intra directly to an external SSD via USB-C.
- **Real-time LUT:** Apply custom LUTs during recording for on-set monitoring and simplified post-production.

7. MAINTENANCE

7.1. Cleaning the Camera

- Use a soft, dry cloth to clean the camera body.

- For the lens, use a lens brush to remove dust, then a lens cloth with lens cleaning fluid if necessary.
- Avoid touching the sensor directly. If sensor cleaning is required, use a specialized sensor cleaning kit or consult a professional.

7.2. Storage

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

8. TROUBLESHOOTING

- **Camera does not power on:** Ensure the battery is fully charged and correctly inserted.
- **Images are blurry:** Check focus settings, ensure sufficient lighting, and verify image stabilization is active if shooting handheld.
- **Memory card error:** Ensure the memory card is correctly inserted and not full. Try formatting the card (this will erase all data).
- **Overheating:** Prolonged video recording, especially in high resolutions or warm environments, may cause the camera to overheat. Allow the camera to cool down.

For more detailed troubleshooting, refer to the full electronic manual available on the Panasonic support website.

9. SPECIFICATIONS

Feature	Specification
Brand	Panasonic
Model Name	G9II
Model Number	DC-G9M2L
Form Factor	Mirrorless
Photo Sensor Resolution	25.2 MP
Photo Sensor Size	17.3 x 13 mm (Micro Four Thirds)
Compatible Mountings	Micro Four Thirds
Image Stabilization	Dual I.S. 2 (5-axis in-body + 2-axis lens)
Autofocus Technology	Phase Detection (779 points)
Video Resolution	2160p (C4K/UHD 4K 60p 10-Bit)
Continuous Shooting	Up to 75 fps
ISO Range	100-25600 (Expanded)
Screen Size	3 Inches
Display Type	LCD (Touch Screen)
Memory Slots	2 (SD)

Feature	Specification
Connectivity	Bluetooth, Wi-Fi, HDMI, USB 3.0
Color	Black

10. WARRANTY AND SUPPORT

Your Panasonic LUMIX G9II camera comes with a manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions. For technical support, service, or additional information, visit the official Panasonic support website or contact their customer service.

Online resources and FAQs are available to assist with common queries and advanced functionalities.