

## Panasonic DC-GH6BODY

# Panasonic LUMIX GH6 Mirrorless Camera Instruction Manual

Model: DC-GH6BODY

### INTRODUCTION

This manual provides essential information for the safe and effective use of your Panasonic LUMIX GH6 Mirrorless Micro Four Thirds Camera. Please read this manual carefully before using the product and keep it for future reference.

The LUMIX GH6 is designed for high-resolution imaging and advanced video recording, featuring a 25.2-megapixel Live MOS Sensor and robust image stabilization.

### WHAT'S IN THE BOX

Verify that all items listed below are included in your package:

- Camera Body Only
- Battery Pack
- Battery Charger
- AC adaptor
- USB connection cable
- BNC conversion cable (for TC IN/OUT)
- Cable holder
- Shoulder strap
- Body cap
- Eye cap
- Hot shoe cover
- Flash synchro socket cap

## SETUP

### 1. Charging the Battery

Insert the provided battery pack into the battery charger. Connect the AC adaptor to the charger and plug it into a power outlet. The charging indicator will show the charging status. Ensure the battery is fully charged before first use.



Image: The Panasonic LUMIX GH6 camera body, showcasing its robust design. This is the main unit that houses the sensor and controls.

### 2. Inserting the Battery and Memory Card

Open the battery/card compartment cover on the bottom of the camera. Insert the charged battery pack until it clicks into place. Insert a compatible CFexpress Type B card into Slot 1 and/or an SD/SDHC (UHS-II) card into Slot 2, ensuring they are oriented correctly. Close the compartment cover securely.



Image: A detailed view of the Panasonic LUMIX GH6's side, highlighting the dual memory card slots (CFexpress Type B and SD/SDHC) and various ports for connectivity.

### 3. Attaching the Lens

Remove the body cap from the camera and the rear lens cap from your Micro Four Thirds lens. Align the mounting marks on the lens with those on the camera body. Rotate the lens clockwise until it clicks into place. Avoid touching the sensor or lens contacts during this process.

## OPERATING THE CAMERA

### 1. Power On/Off

To power on the camera, rotate the power switch located on the top plate. To power off, rotate the switch back to the OFF position.

### 2. Basic Shooting Modes

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

- **P (Program AE):** Camera sets aperture and shutter speed automatically.
- **A (Aperture Priority AE):** You set aperture, camera sets shutter speed.
- **S (Shutter Priority AE):** You set shutter speed, camera sets aperture.
- **M (Manual Exposure):** You set both aperture and shutter speed.
- **Creative Video Mode:** Access advanced video recording options.

### 3. Focusing

The LUMIX GH6 features Contrast Detection Auto Focus. You can select AF modes (Single-Servo AF, Continuous-Servo AF, Automatic AF) and areas via the menu. Manual Focus (MF) is also available for precise control.

### 4. Video Recording

The camera supports unlimited C4K/4K 4:2:2 10-bit video recording. Press the dedicated video record button to start and stop recording. Adjust video settings such as resolution, frame rate, and bit depth in the Creative Video mode menu.



**1 3.68 Mil-Dot OLED Live View Finder**  
High-resolution with 0.76x magnification perfect for framing in harsh lighting and capturing fast-moving subjects.

**2 Double Memory Card Slot**  
CFexpress Card\* and SD Memory Card enable you to use different recording media depending on your shooting needs.  
\*For video with 800Mbps or more, variable frame rate with ALL-Intra, or Apple ProRes, a CFexpress card is required



**3 Hot Shoe for XLR Microphone**  
Add DMW-XLR1\* and capture 4ch audio and high-res sound at 96kHz/24-bit when shooting MOV or Apple ProRes.  
\* Sold separately

**4 Front / Rear Tally Lamp**  
Two tally lights indicate to both subjects and the camera operator when it is live recording.

**5 New 25.2MP sensor and Venus Engine**  
With no low-pass filter, the sensor design allows for both more pixels and higher resolution, for ultra-realistic detail and higher readout speed.

**6 Multitudes of Recording Modes**  
C4K/4K 60p 4:2:2 10-bit, Unlimited video recording, Anamorphic mode, and more advanced video functionality.



**7 Tilt and Vari-Angle Monitor**  
The 3" 1,840K-dot touchscreen monitor can be freely rotated even with an HDMI or USB cable attached to the camera.

**8 USB Power Supply/Charging**  
Supply and charge power simultaneously via USB-C during long shoots.

Image: The Panasonic LUMIX GH6 mounted in a professional video rig, highlighting its suitability for extensive video production with unlimited recording time.

The LUMIX GH6 offers various video recording capabilities, including 4:2:0 10-bit 4K120p and 4:2:2 10-bit FHD 240p HFR (High Frame Rate) for dynamic motion capture.



\*When used at the recommended operating temperature (-10~104°F)

Image: A videographer using the Panasonic LUMIX GH6 in an outdoor environment, demonstrating its use for capturing high frame rate video.

## 5. Image Stabilization

The camera features a powerful 5-axis Dual I.S. 2 system, providing up to 7.5 stops of correction. This allows for stable handheld shooting even in challenging conditions.



Image: The Panasonic LUMIX GH6 attached to a large camera crane, illustrating its use in professional production settings for capturing stable 5.7K video.

6. Connectivity

The camera supports HDMI and USB connectivity. It also includes Bluetooth and Wi-Fi for wireless control and image transfer to compatible devices.

MAINTENANCE

- **Cleaning the Camera Body:** Use a soft, dry cloth to wipe the camera body. For stubborn dirt, lightly dampen the cloth with water and then wipe dry.
- **Cleaning the Lens:** Use a lens brush to remove dust, then gently wipe with a microfiber lens cloth. Avoid touching the lens surface with your fingers.
- **Sensor Cleaning:** If dust appears on images, use a blower brush to gently remove it. For persistent dust, consult a professional service center.
- **Storage:** Store the camera in a cool, dry place away from direct sunlight and high humidity. Remove the battery if storing for extended periods.

TROUBLESHOOTING

- **Camera does not power on:** Ensure the battery is fully charged and correctly inserted.
- **Images are blurry:** Check focus settings (AF/MF), ensure sufficient lighting, and verify lens is clean.
- **Video recording stops unexpectedly:** Ensure memory card has sufficient space and is of adequate speed (U3/V30 or Faster Recommended). Check for overheating in extreme conditions.
- **No image on external monitor:** Verify HDMI cable connection and check external monitor settings.

SPECIFICATIONS

Feature	Detail
Model Name	Panasonic LUMIX GH6 Mirrorless Camera
Sensor Type	25.2 MP Live MOS Sensor (Micro Four Thirds)
Image Stabilization	5-axis Dual I.S. 2 (up to 7.5 stops)
Video Recording	Unlimited C4K/4K 4:2:2 10-bit, 4K120p, FHD 240p HFR
Connectivity	HDMI, USB, Bluetooth, Wi-Fi
Memory Slots	1x CFexpress Type B, 1x SD/SDHC (UHS-II)
Weight	1.8 Pounds

## WARRANTY AND SUPPORT

This product comes with a **3-year manufacturer warranty**. For technical support, service, or warranty claims, please refer to the official Panasonic support channels or visit the [Panasonic Store](#).

## OFFICIAL PRODUCT VIDEOS

### LUMIX GH6 Product Video

Your browser does not support the video tag.

This video provides an official overview of the Panasonic LUMIX GH6, showcasing its key features and capabilities directly from the manufacturer.