

## Panasonic DMC-GX85KS

# Panasonic LUMIX GX85 4K Mirrorless Camera Instruction Manual

Model: DMC-GX85KS

## INTRODUCTION

This manual provides essential information for the safe and effective use of your Panasonic LUMIX GX85 4K Mirrorless Camera. Please read these instructions carefully before using the product and retain them for future reference. The LUMIX GX85 combines advanced imaging technology with a compact, mirrorless design, offering high-quality photography and 4K video capabilities.

## WHAT'S IN THE BOX

Verify that all items are present in the package:

- Panasonic LUMIX GX85 Camera Body
- Hot Shoe Cover
- Battery Pack (DMW-BLG10)
- AC Adaptor
- USB Connection Cable
- Shoulder Strap
- Body Cap
- 12-32mm MEGA O.I.S. Lens (if purchased as a kit)

*Note: The included lens may vary based on the kit purchased.*

## SETUP

### 1. Charging the Battery

The camera uses a rechargeable lithium-ion battery (DMW-BLG10). Fully charge the battery before first use.

1. Insert the battery into the camera's battery compartment.
2. Connect the camera to the AC adaptor using the USB connection cable.

3. Plug the AC adaptor into a power outlet. The charge indicator will light up during charging and turn off when complete.

*Note: The camera supports in-camera USB charging.*

## 2. Inserting an SD Card

The camera uses SD, SDHC, or SDXC memory cards. Ensure the card is inserted correctly to avoid damage.

1. Open the battery/card compartment cover on the bottom of the camera.
2. Insert the SD card with the label facing the back of the camera until it clicks into place.
3. Close the compartment cover securely.

*Recommended: Use SDXC cards with UHS-I speed class 3 (U3) for 4K video recording.*

## 3. Attaching the Lens

Align the white mounting mark on the lens with the white mounting mark on the camera body. Turn the lens clockwise until it clicks.



*Image: Panasonic LUMIX GX85 camera with the 12-32mm lens attached. The camera body is silver and black, with the lens extending from the front.*

## 4. Attaching the Shoulder Strap

Thread the shoulder strap through the strap lugs on the camera body as illustrated in the quick start guide. Ensure it is securely fastened.

## OPERATING THE CAMERA

### Basic Controls and Display

Familiarize yourself with the camera's main controls:

- **Power Switch:** Located on the top plate.
- **Mode Dial:** Selects shooting modes (Program AE, Aperture Priority AE, Shutter Priority AE, Manual)

Exposure, etc.).

- **Shutter Button:** Half-press to focus, full-press to capture.
- **Control Dials:** Adjust settings like aperture, shutter speed, and exposure compensation.
- **Tilting Touch LCD:** A 3-inch display that can be tilted for various shooting angles and offers touch control for menu navigation and focus point selection.
- **Electronic Viewfinder (EVF):** A 2764k-dot eye-level viewfinder for precise framing.

## Shooting Modes

Rotate the mode dial to select your desired shooting mode:

- **Intelligent Auto (iA):** Camera automatically optimizes 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. Ideal for controlling depth of field.
- **Shutter Priority AE (S):** You set shutter speed, camera sets aperture. Ideal for controlling motion blur.
- **Manual Exposure (M):** You control both aperture and shutter speed.
- **Scene Guide (SCN):** Pre-set modes for specific scenes (e.g., Portrait, Landscape, Sports).
- **Creative Control:** Apply various filter effects.

## Focusing and Image Stabilization

The LUMIX GX85 features advanced focusing and stabilization systems:

- **Autofocus (AF):** Selectable modes include Single AF (AF-S) for still subjects and Continuous AF (AF-C) for moving subjects.
- **Depth From Defocus (DFD) Technology:** Provides high-speed, high-precision autofocus.
- **Dual Image Stabilization (Dual I.S. 1.0):** Combines 5-axis in-body image stabilization with 2-axis optical image stabilization in compatible LUMIX lenses, providing up to 4 stops of shake correction for both photos and videos. This allows for sharper images in low light or with longer shutter speeds without a tripod.

## 4K Photo and Video Features

Leverage the camera's 4K capabilities for enhanced creative control:

- **4K Video:** Records stunning 4K UHD (3840x2160) video at 30p/25p/24p.
- **4K PHOTO:** Extract 8-megapixel still images from 4K video footage. This is ideal for capturing fast-moving action.
- **Post Focus:** Capture an image and then select the focus point after shooting. This is achieved by recording a 4K video burst while shifting the focus point.



*Video: Official product video showcasing the Panasonic LUMIX GX85 Camera with 12-32mm Lens, highlighting its features and capabilities in various shooting scenarios.*

## Connectivity

- **Wi-Fi:** Connect to a smartphone or tablet for remote control, image transfer, and geotagging.
- **HDMI:** Output high-quality video and images to an external display using the Micro HDMI (Type D) port.
- **USB:** Connect to a computer for data transfer or in-camera battery charging.

## MAINTENANCE

- **Cleaning the Lens and Sensor:** Use a soft, lint-free cloth for the lens. For the sensor, consult a professional or use a specialized sensor cleaning kit.

- **Battery Care:** Store batteries in a cool, dry place. Avoid fully discharging the battery for extended periods.
- **Camera Body:** Wipe the camera body with a soft, dry cloth. Avoid using harsh chemicals.
- **Storage:** When not in use for extended periods, remove the battery and store the camera in a dry, dust-free environment.

## TROUBLESHOOTING

- **Camera does not power on:** Ensure the battery is charged and correctly inserted.
- **Images are blurry:** Check focus settings, ensure Dual I.S. is active, and use appropriate shutter speeds for the lighting conditions.
- **Cannot record 4K video:** Verify that a compatible SDXC memory card (UHS-I Speed Class 3 or higher) is used and has sufficient free space.
- **Wi-Fi connection issues:** Ensure the camera's Wi-Fi is enabled and the smart device is within range. Refer to the camera's Wi-Fi connection guide for detailed steps.

## SPECIFICATIONS

Feature	Specification
Brand	Panasonic
Model Name	Panasonic LUMIX GX85
Model Number	DMC-GX85KS
Photo Sensor Resolution	16 MP
Photo Sensor Size	Micro Four Thirds
Image Stabilization	5-Axis, Hybrid (Dual I.S. 1.0)
Video Resolution	4K UHD 2160p
Screen Size	3 Inches
Display Type	Tilting Touch LCD
Viewfinder	Electronic
Compatible Mountings	Micro Four Thirds
Supported File Format	14bit, JPEG, RAW DNG
ISO Range	150-25600
Maximum Shutter Speed	30 seconds
Minimum Shutter Speed	0.1 seconds
Connectivity Technology	HDMI, Wi-Fi
Item Weight	1.09 Pounds

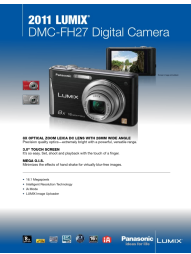



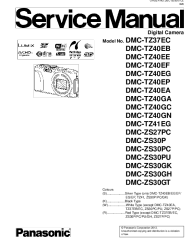
## WARRANTY AND SUPPORT

Your Panasonic LUMIX GX85 camera comes with a limited warranty. Please refer to the warranty card included in your package for specific terms and conditions. For technical support, service, or additional information, please

visit the official Panasonic support website or contact their customer service.

Official Panasonic Support: [www.panasonic.com/us/support.html](http://www.panasonic.com/us/support.html)

## Related Documents - DMC-GX85KS

	<p><a href="#">2011 Panasonic LUMIX DMC-FH27 Digital Camera Specifications and Features</a></p> <p>Detailed specifications, features, and technical data for the 2011 Panasonic LUMIX DMC-FH27 digital camera, covering optics, recording, playback, and system requirements.</p>
	<p><a href="#">Panasonic Digital Camera Service Manual: DMC-TZ27, TZ30, TZ31, ZS19, ZS20 Series</a></p> <p>Comprehensive service manual for Panasonic Lumix digital cameras, including models DMC-TZ27EB, TZ27EC, TZ30EB, TZ30EE, TZ30EF, TZ30EG, TZ30EP, TZ30GA, TZ30GC, TZ30GN, TZ30SG, TZ31EG, ZS19P, ZS20P, ZS20PC, ZS20PU, ZS20GH, ZS20GK, ZS20GT. This guide provides detailed technical information, troubleshooting, disassembly, and maintenance procedures for experienced repair technicians.</p>
	<p><a href="#">Panasonic DMC-G85 Digital Camera Basic Operating Instructions</a></p> <p>This document provides basic operating instructions for the Panasonic DMC-G85 digital camera, covering setup, core functions, safety precautions, and troubleshooting. It guides users through essential operations for capturing photos and videos.</p>
	<p><a href="#">Panasonic LUMIX DMC-G7 Series Digital Camera Basic Owner's Manual</a></p> <p>This basic owner's manual for the Panasonic LUMIX DMC-G7K, DMC-G7H, and DMC-G7W digital cameras provides essential guidance for setup, operation, and features, enabling users to capture high-quality photos and videos.</p>
	<p><a href="#">Panasonic Lumix Digital Camera Service Manual DMC-TZ/ZS Series</a></p> <p>Comprehensive service manual for Panasonic Lumix DMC-TZ37, TZ40, TZ41, ZS27, and ZS30 series digital cameras. This guide provides detailed technical information for experienced repair technicians, covering safety precautions, troubleshooting, disassembly, assembly procedures, measurements, adjustments, and block diagrams to facilitate effective maintenance and repair.</p>



[Panasonic DMC-G85 Digital Camera Basic Owner's Manual](#)

This is the basic owner's manual for the Panasonic DMC-G85 digital camera and lens kit. It provides essential information on setup, operation, recording techniques, playback, Wi-Fi connectivity, and troubleshooting for this advanced digital camera. Learn to capture high-quality photos and 4K videos.