**Panasonic H-ES50200**

# Panasonic LUMIX G Leica DG Vario-ELMARIT 50-200mm F2.8-4.0 ASPH Lens

**Model: H-ES50200**

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## 1. Introduction

The Panasonic LUMIX G Leica DG Vario-ELMARIT 50-200mm F2.8-4.0 ASPH lens is designed for Micro Four Thirds mirrorless cameras, offering a versatile telephoto zoom range. This lens incorporates Panasonic's Nano Surface Coating to minimize reflections, ensuring high detail and sharpness. Its robust, weather-sealed construction makes it suitable for various outdoor shooting conditions when paired with a compatible LUMIX G Mirrorless camera. The lens features Power O.I.S. optical image stabilization, compatible with 5-Axis Dual I.S. 2.0 systems, providing enhanced stability for both video and still photography.




Figure 1: Panasonic LUMIX G Leica DG Vario-ELMARIT 50-200mm F2.8-4.0 ASPH Lens.

## 2. Setup: What's in the Box

Before using your new lens, please ensure all components are present and in good condition. The package should contain the following items:

- Panasonic LUMIX G Leica DG Vario-ELMARIT 50-200mm F2.8-4.0 ASPH Lens
- Lens Cap
- Lens Rear Cap
- Lens Hood
- Lens Storage Bag

### 2.1 Attaching the Lens

1. Remove the rear lens cap from the lens and the body cap from your camera.
2. Align the mounting mark on the lens with the corresponding mark on your camera body.
3. Rotate the lens clockwise until it clicks into place, indicating it is securely mounted.

### 2.2 Attaching the Lens Hood

The included lens hood helps to block unwanted stray light and protect the front element of the lens.

1. Align the lens hood with the front of the lens.
2. Rotate the hood until it locks into position. Ensure it is firmly attached to prevent accidental detachment.




Figure 2: The lens with its included hood attached.

## 3. Operation

### 3.1 Focus Mode Switch (AF/MF)

The lens features a switch to select between Autofocus (AF) and Manual Focus (MF) modes. Set the switch to your desired mode based on your shooting requirements.

- **AF (Autofocus):** The camera automatically focuses on the subject. This mode is ideal for most general photography.
- **MF (Manual Focus):** Allows you to manually adjust the focus using the focus ring on the lens. This is useful for precise focusing in specific situations or when autofocus struggles.

### 3.2 Optical Image Stabilization (POWER O.I.S.)

The lens is equipped with POWER O.I.S. (Optical Image Stabilizer) to reduce blur caused by camera shake. This feature is particularly beneficial when shooting handheld or in low-light conditions.

- **ON:** Activates the optical image stabilization.
- **OFF:** Deactivates the optical image stabilization.

When used with a compatible LUMIX G camera that supports Dual I.S. 2.0, the lens's O.I.S. works in conjunction with the camera's in-body image stabilization for enhanced shake reduction.




Figure 3: AF/MF and O.I.S. control switches on the lens barrel.

### 3.3 Zooming

To adjust the focal length, rotate the zoom ring on the lens. The lens offers a versatile 50-200mm focal range, suitable for various subjects from portraits to distant wildlife.

### 3.4 Teleconverter Compatibility

This lens is compatible with optional Panasonic DMW-TC14 (1.4x) and DMW-TC20 (2.0x) teleconverters, extending its focal length capabilities for even greater reach.




Figure 4: The lens shown with an optional DMW-TC14 teleconverter attached.

## 4. Maintenance

Proper care and maintenance will ensure the longevity and optimal performance of your lens.

- **Cleaning the Lens:** Use a soft, lint-free cloth specifically designed for optical surfaces. For stubborn smudges, use a small amount of lens cleaning fluid applied to the cloth, not directly to the lens.
- **Dust and Moisture:** While the lens is splash/dustproof, avoid exposing it to excessive dust or moisture. Always use the lens caps when not in use. If it gets wet, wipe it dry immediately with a soft cloth.
- **Storage:** Store the lens in a cool, dry place, away from direct sunlight and extreme temperatures. Use the provided lens storage bag for added protection.
- **Handling:** Avoid dropping or subjecting the lens to strong impacts. Always handle with care.

## 5. Troubleshooting

If you encounter issues with your lens, consider the following common solutions:

- **Lens not recognized by camera:** Ensure the lens is securely mounted to the camera body. Clean the electrical contacts on both the lens and camera body with a clean, dry cloth.
- **Autofocus not working:** Check if the AF/MF switch on the lens is set to AF. Ensure there is sufficient light for the autofocus system to operate. Try focusing on a subject with good contrast.
- **Images are blurry:** Verify that the O.I.S. switch is set to ON if shooting handheld. Check your camera's shutter speed and aperture settings. Ensure the lens is clean and free from smudges.
- **Unusual noises from lens:** If the lens makes unusual noises, especially during operation, discontinue use and contact customer support.

For persistent issues, refer to your camera's instruction manual or contact Panasonic customer support.

## 6. Specifications

| Feature | Detail |
|---|---|
| Brand | Panasonic |
| Model Name | Panasonic 50-200mm f/2.8-4.0 Lumix G Leica DG Vario-Elmarit Power O.I.S. Lens |
| Model Number | H-ES50200 |
| Focal Length | 50-200mm |
| Maximum Aperture | F2.8 (at 50mm) - F4.0 (at 200mm) |
| Minimum Aperture | F22.0 |
| Lens Type | Telephoto Zoom |
| Compatible Mountings | Micro Four Thirds |
| Optical Construction | 21 Elements in 15 Groups (including 2 UED Elements) |
| Image Stabilization | Optical (POWER O.I.S., Dual I.S. 2.0 compatible) |
| Focus Type | Auto Focus |
| Minimum Focusing Distance | 0.75m (2.46ft) |
| Filter Size | 67mm |
| Lens Coating | Nano Surface Coating |
| Weather Resistance | Splashproof / Dustproof / Freezeproof |
| Item Weight | 1.6 Pounds (approx. 725g) |
| Color | Black |

## 7. Warranty & Support

### 7.1 Manufacturer's Warranty

This Panasonic LUMIX lens comes with a standard manufacturer's warranty. Please refer to the warranty card

included in your product packaging for specific terms, conditions, and duration. Keep your proof of purchase for warranty claims.

### 7.2 Customer Support

For technical assistance, service, or further inquiries, please contact Panasonic customer support through their official website or the contact information provided in your product documentation.

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