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OM SYSTEM V312010BU000

OM SYSTEM OLYMPUS M.Zuiko Digital ED 60mm F2.8 Macro Lens Instruction Manual

Brand: OM SYSTEM | Model: V312010BU000

1. PRODUCT OVERVIEW

The OM SYSTEM OLYMPUS M.Zuiko Digital ED 60mm F2.8 Macro lens is a high-performance prime lens designed for Micro Four Thirds System cameras. It is specifically engineered for macro photography, offering a 1:1 magnification ratio for capturing intricate details of small subjects. Its weather-sealed design ensures durability in various shooting conditions, making it suitable for outdoor use.

Key features include a bright f/2.8 aperture for excellent low-light performance and beautiful background blur, and the Olympus MSC (Movie and Still Compatible) mechanism for fast, quiet, and smooth autofocus, which is ideal for both still photography and video recording.





Figure 1.1: Front view of the OM SYSTEM OLYMPUS M.Zuiko Digital ED 60mm F2.8 Macro Lens. This image shows the lens from the front, highlighting its compact design and the focus distance window.

2. SETUP GUIDE

2.1 Unpacking the Lens

Carefully remove all components from the packaging. Ensure all items listed below are present.

- OM SYSTEM OLYMPUS M.Zuiko Digital ED 60mm F2.8 Macro Lens
- Front Lens Cap
- Rear Lens Cap

2.2 Attaching the Lens to Your Camera

1. Ensure your camera is turned off.

2. Remove the rear lens cap from the lens and the body cap from your camera.
3. Align the white dot on the lens barrel with the white dot on your camera's lens mount.
4. Gently insert the lens into the camera mount and rotate it clockwise until it clicks into place. Do not force the lens.
5. Replace the front lens cap when the lens is not in use to protect the front element.

2.3 Initial Configuration

After attaching the lens, turn on your camera. The camera should automatically recognize the lens. Refer to your camera's instruction manual for specific settings related to lens detection and usage.

3. OPERATING INSTRUCTIONS

3.1 Focus Limit Switch

The M.Zuiko Digital ED 60mm F2.8 Macro lens features a focus limit switch on its barrel. This switch allows you to restrict the autofocus range, which can significantly speed up focusing, especially when shooting macro subjects or distant objects.

- **0.19m - 0.4m:** Limits focus to the close-up range, ideal for macro photography.
- **0.19m - ∞:** Full focus range, from closest focusing distance to infinity.
- **0.4m - ∞:** Limits focus to subjects further than 0.4 meters, useful for general photography and portraits.



Figure 3.1: Side view of the lens showing the focus limit switch. The switch allows users to select between different focusing ranges to optimize autofocus speed and accuracy.

3.2 Macro Photography

This lens is designed for 1:1 life-size macro photography, meaning the subject can be reproduced on the camera's sensor at its actual size. For best results in macro photography:

- Set the focus limit switch to **0.19m - 0.4m**.
- Use a tripod to minimize camera shake, especially at high magnifications.
- Consider using external lighting (e.g., ring flash or LED panel) to illuminate your subject evenly.
- Utilize your camera's manual focus assist features (e.g., focus peaking, magnification) for precise focusing.

3.3 Video Recording (MSC Mechanism)

The lens incorporates the MSC (Movie and Still Compatible) mechanism, ensuring fast, quiet, and smooth autofocus operation. This makes it an excellent choice for video recording where silent focusing is crucial to avoid audio interference.

- Ensure your camera's video mode is selected.
- The MSC mechanism provides seamless autofocus transitions during video capture.
- For critical focus in video, consider using manual focus.

4. CARE AND MAINTENANCE

Proper care and maintenance will extend the life and performance of your lens.

- **Cleaning the Lens Elements:** 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.
- **Cleaning the Lens Body:** Wipe the lens body with a soft, dry cloth. For dirt, use a slightly damp cloth and then dry thoroughly.
- **Storage:** Store the lens in a cool, dry place away from direct sunlight and extreme temperatures. Use the front and rear lens caps to protect the elements from dust and scratches.
- **Weather Sealing:** While the lens features a weather-sealed design, it is not waterproof. Avoid prolonged exposure to heavy rain or submersion in water. Always wipe off moisture promptly.
- **Avoid Impact:** Protect the lens from drops and impacts, which can damage internal components.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your lens.

Problem	Possible Cause	Solution
Lens not recognized by camera.	Lens not properly attached; dirty contacts.	Ensure lens is securely mounted. Clean lens and camera contacts with a dry, lint-free cloth. Restart camera.
Autofocus is slow or inaccurate.	Low light conditions; focus limit switch set incorrectly; dirty lens elements.	Ensure adequate lighting. Adjust focus limit switch to the appropriate range. Clean lens elements. Try manual focus.
Images are blurry.	Camera shake; incorrect focus; dirty lens; aperture too wide/narrow.	Use a faster shutter speed or tripod. Verify focus. Clean lens. Adjust aperture for desired depth of field.
Dust or spots visible in images.	Dust on lens elements or camera sensor.	Clean lens elements. If spots persist, clean camera sensor (refer to camera manual or professional service).

6. TECHNICAL SPECIFICATIONS

Detailed specifications for the OM SYSTEM OLYMPUS M.Zuiko Digital ED 60mm F2.8 Macro Lens.

Feature	Specification
Brand	OM SYSTEM
Model Number	V312010BU000
Focal Length	60mm (120mm equivalent in 35mm format)
Maximum Aperture	f/2.8
Minimum Aperture	Not specified in input, typically f/22
Lens Type	Telephoto, Macro
Compatible Mountings	Micro Four Thirds
Minimum Focusing Distance	0.19 meters (0.62 feet)
Maximum Magnification	1:1 (Life-size)
Product Dimensions	3.23 x 2.2 x 2.2 inches
Item Weight	6.6 ounces
Weather Sealed Design	Yes (Splashproof, Dustproof)
Autofocus Mechanism	MSC (Movie and Still Compatible)

7. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official OM SYSTEM website. Keep your proof of purchase for warranty claims.

For further assistance, technical support, or to download the official user manual in PDF format, please visit the OM SYSTEM support page or refer to the document link below:

Download Official User Manual (PDF)

