

Olympus E-PM2

Olympus E-PM2 Mirrorless Digital Camera Instruction Manual

Model: E-PM2 with 14-42mm Lens

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Olympus E-PM2 Mirrorless Digital Camera. The E-PM2 is equipped with a 16 MP Live MOS sensor and a TruePic VI Image Processor, designed to deliver high-quality images in a compact form factor. Please read this manual thoroughly before using your camera.

Key Features:

- 16MP CMOS Micro Four Thirds sensor for detailed images.
- 8 frames per second continuous shooting for capturing fast action.
- 35-area contrast detect AF with touch focus for precise and quick focusing.
- ISO sensitivity range of 100-25,600 for versatile low-light performance.
- 1080 HD video recording capability.
- 3.0 inch touchscreen LCD with 460,000 dots for intuitive control.
- In-body sensor-shift image stabilization to reduce blur.
- RAW and RAW + JPEG shooting options.
- Compatible with SD/SDHC/SDXC memory cards.

2. CAMERA COMPONENTS

Familiarize yourself with the main parts of your Olympus E-PM2 camera.



Figure 2.1: Front view of the Olympus E-PM2 camera with the 14-42mm lens attached. This image shows the lens, grip, and overall compact design of the camera body.



Figure 2.2: Top-down view of the Olympus E-PM2 camera. This perspective highlights the shutter button, mode dial (if present, or equivalent controls), and accessory port.



Figure 2.3: Rear view of the Olympus E-PM2 camera, showing the 3.0-inch touchscreen LCD and control buttons. This is where you will interact with the camera's menu and review images.

3. SETUP

3.1. Attaching the Lens

1. Remove the body cap from the camera and the rear lens cap from the lens.
2. Align the mounting marks (usually a white dot) on the lens with the corresponding mark on the camera body.
3. Rotate the lens clockwise until it clicks into place.

3.2. Inserting the Battery

The Olympus E-PM2 uses a rechargeable battery. Although batteries are not included with all packages, ensure you have a compatible battery charged before use.

1. Open the battery compartment cover located at the bottom of the camera.
2. Insert the charged battery with the correct orientation, ensuring the contacts align.
3. Close the battery compartment cover securely.

3.3. Inserting a Memory Card

The camera supports SD, SDHC, and SDXC memory cards.

1. Open the memory card slot cover, typically located on the side or bottom of the camera.
2. Insert the memory card with the label facing the correct direction until it clicks into place.
3. Close the memory card slot cover securely.

3.4. Initial Settings

Upon first power-on, you may be prompted to set the date, time, and language. Follow the on-screen instructions using the touchscreen or control buttons.

4. OPERATING THE CAMERA

4.1. Power On/Off

Press the power button to turn the camera on or off. The LCD screen will illuminate when the camera is on.

4.2. Basic Photography Modes

The E-PM2 offers various shooting modes to suit different situations:

- **iAuto (Intelligent Auto):** The camera automatically detects the scene and applies optimal settings.
- **Program AE (P):** The camera sets both aperture and shutter speed for optimal exposure, but you can shift the combination.
- **Aperture Priority (A):** You set the aperture, and the camera automatically sets the shutter speed. Ideal for controlling depth of field.
- **Shutter Priority (S):** You set the shutter speed, and the camera automatically sets the aperture. Ideal for controlling motion blur.
- **Manual (M):** You control both aperture and shutter speed.
- **Scene Modes:** Select from various pre-set scene modes (e.g., Portrait, Landscape, Night Scene) for optimized results in specific situations.

4.3. Focusing

The E-PM2 features a FAST (Frequency Acceleration Sensor Technology) AF system with 35 focus points.

- **Autofocus:** Press the shutter button halfway down to activate autofocus. The camera will focus on the subject within the selected AF area.
- **Touch Focus:** Tap on the desired area of the touchscreen LCD to focus on that point. You can also configure the camera to take a picture immediately after touching to focus.
- **Manual Focus:** Rotate the focus ring on the lens while observing the LCD screen to achieve sharp focus.

4.4. Exposure Control

Adjusting exposure ensures your photos are neither too bright nor too dark.

- **ISO Sensitivity:** Adjust the ISO setting (100-25,600) to control the camera's sensitivity to light. Higher ISO values are useful in low light but may introduce noise.
- **Exposure Compensation:** Use the exposure compensation function to manually adjust the brightness of your image.
- **Metering Modes:** The camera offers Multi, Center-weighted, and Spot metering modes to measure light effectively.

4.5. Image Stabilization

The E-PM2 incorporates sensor-shift image stabilization to minimize blur caused by camera shake, especially in low light or with longer focal lengths.

4.6. Continuous Shooting

For capturing fast-moving subjects, use the continuous shooting mode, which allows you to take up to 8 frames per second.

4.7. Using the Flash

An attachable flash is included with the camera. Connect it to the accessory port when additional illumination is required. The flash offers various modes, including Auto and Red-eye Reduction.

4.8. Art Filters

The E-PM2 features 12 in-camera Art Filters (e.g., Pop Art, Soft Focus, Diorama) to add creative effects to

your photos and videos. These can be applied in all shooting modes.

4.9. Live Guide

The Live Guide system allows you to preview effects like brightness, color saturation, and background blur on the LCD before capturing the image. Access it via the dedicated button or menu.

4.10. Video Recording

To record video, switch to movie mode. The E-PM2 supports Full 1080i HD video recording with stereo sound in .MOV or .AVI formats. Art Filters can also be applied to videos.

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Video 4.1: General overview of camera features and operation. This video demonstrates various aspects of the camera's functionality.

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Video 4.2: Short demonstration of camera usage. This video provides a brief look at the camera in action.

5. MAINTENANCE

5.1. Dust Reduction System

The E-PM2 features a Supersonic Wave Filter that vibrates silently each time the camera is turned on, dislodging dust from the sensor to ensure spot-free images.

5.2. Cleaning the Camera and Lens

- **Camera Body:** Use a soft, dry cloth to wipe the camera body. For stubborn dirt, slightly dampen the cloth with water. Avoid using organic solvents.
- **Lens:** Use a lens blower brush to remove dust. For smudges, use a specialized lens cleaning solution and a microfiber cloth. Never touch the lens surface with your fingers.
- **LCD Screen:** Gently wipe with a soft, dry cloth. Avoid pressing too hard.

5.3. Battery Care

- Always use genuine Olympus batteries and chargers.
- Store batteries in a cool, dry place when not in use.
- Avoid exposing batteries to extreme temperatures.

5.4. Storage

When storing the camera for extended periods, remove the battery and memory card. Store the camera in a dry, well-ventilated area, preferably in a camera bag to protect it from dust and impact.

6. TROUBLESHOOTING

If you encounter issues with your Olympus E-PM2, refer to the following common problems and solutions:

6.1. Camera Does Not Turn On

- Ensure the battery is fully charged and correctly inserted.
- Check if the battery contacts are clean.

- Try using a different charged battery if available.

6.2. Blurry Images

- Check if the lens is properly attached and clean.
- Ensure the camera is properly focused on the subject.
- Increase shutter speed or use a tripod in low light conditions to prevent camera shake.
- Verify that image stabilization is enabled if shooting handheld.

6.3. Autofocus Not Working

- Ensure the lens is set to autofocus (AF) mode.
- Check for sufficient light on the subject; the AF illuminator may assist in dark conditions.
- Ensure there is enough contrast in the subject for the autofocus system to lock on.

6.4. Memory Card Error

- Ensure the memory card is correctly inserted.
- Check if the memory card is locked (write-protected).
- Try formatting the card (this will erase all data, so back up first).
- Use a different memory card to rule out card malfunction.

7. SPECIFICATIONS

Detailed technical specifications for the Olympus E-PM2 Mirrorless Digital Camera.

Feature	Specification
Model Name	Olympus E-PM2
Sensor Type	16 MP CMOS Micro Four Thirds
Image Stabilization	Sensor-shift
Compatible Mountings	Micro Four Thirds
Lens Type (Included)	Standard Zoom (14-42mm)
Maximum Focal Length	84 Millimeters
Minimum Focal Length	14 Millimeters
Maximum Aperture	3.5 f
ISO Sensitivity	100-25,600 (Expanded ISO Minimum 200, Expanded ISO Maximum 1600 listed in some specs)
Shutter Speed	1/4000 to 60 seconds
Continuous Shooting	8 frames per second

Autofocus Points	35
Display	3.0 Inch LCD Touch Screen (460,000 dots)
Video Resolution	FHD 1080p
Supported File Formats	RAW, JPEG, RAW+JPEG, MPO(3D still)
Memory Card Slot	SD/SDHC/SDXC
Connectivity	HDMI (Type C Mini), USB 2.0, EyeFi (Wireless Technology)
Item Weight	0.59 Pounds

8. WARRANTY AND SUPPORT

For detailed warranty information, product registration, and technical support, please refer to the official Olympus website or contact Olympus customer service. Keep your proof of purchase for warranty claims. The Olympus E-PM2 is identified by Model Number **V206021BU000** and UPC **050332184336**.