Fujifilm XC1650BLACK

Fujifilm XC 16-50mm f/3.5-5.6 OIS Lens Instruction Manual

Product Overview Key Features Setup Operation Maintenance Troubleshooting Specifications Warranty & Support

1. Product Overview

The Fujifilm XC 16-50mm f/3.5-5.6 OIS Lens is a versatile standard zoom lens designed for Fujifilm X-series mirrorless digital cameras with an APS-C format sensor. It offers a focal length range equivalent to 24-76mm in 35mm format, making it suitable for a wide variety of photographic situations, from wide-angle landscapes to portrait-length shots. This lens incorporates Optical Image Stabilization (OIS) to reduce camera shake, enhancing sharpness, especially in lower light conditions or at longer focal lengths. Its optical construction includes aspherical and extra-low dispersion elements to minimize aberrations and distortions, while a Super EBC coating helps reduce flare and ghosting for clear, color-accurate images.



Figure 1: Front view of the Fujifilm XC 16-50mm f/3.5-5.6 OIS Lens.

2. Key Features

- **X-Mount Lens/APS-C Format:** Specifically designed for Fujifilm X-series cameras.
- **24-76mm (35mm Equivalent):** Provides a versatile zoom range for various shooting scenarios.
- **Aperture Range: f/3.5 to f/22:** Offers flexibility in controlling depth of field and exposure.
- **3 Aspherical Elements, 1 ED Element:** Optical design to reduce spherical and chromatic aberrations.
- **Super EBC Coating:** Minimizes lens flare and ghosting for improved contrast and color fidelity.
- **Optical Image Stabilization (OIS):** Reduces the effects of camera shake for sharper handheld shots.
- **Rounded 7-Blade Diaphragm:** Contributes to a pleasing bokeh quality.
- **Auto Focus:** Supports fast and accurate autofocus for capturing subjects.

3. Setup

3.1 Attaching the Lens

1. Ensure both the camera and the lens are powered off.
2. Remove the rear lens cap and the camera body cap.
3. Align the white mounting mark on the lens barrel with the white mounting mark on the camera body.
4. Insert the lens into the camera's lens mount and rotate it clockwise until it clicks into place. Do not force the lens.
5. Attach the front lens cap when not in use to protect the front element.



Figure 2: Rear view of the lens, showing the mounting interface.

3.2 Attaching the Lens Hood

The included lens hood helps to block stray light from entering the lens, reducing flare and ghosting, and provides some physical protection to the front element.

1. Align the mark on the lens hood with the mark on the front of the lens barrel.
2. Rotate the lens hood clockwise until it locks securely into place.
3. To store, the lens hood can be reversed and attached to the lens.

4. Operating Instructions

4.1 Zooming

To adjust the focal length, rotate the zoom ring on the lens barrel. The lens can be zoomed from 16mm (wide-angle) to 50mm (telephoto). The current focal length is indicated by markings on the lens barrel.



Figure 3: Lens with zoom markings (16mm, 23mm, 35mm, 50mm).

4.2 Focusing

This lens supports autofocus. Ensure your camera's focus mode is set to AF (Autofocus). The camera will automatically focus when the shutter button is half-pressed. For manual focusing, set your camera to MF (Manual Focus) and rotate the focus ring on the lens barrel to achieve sharp focus.

4.3 Optical Image Stabilization (OIS)

The Optical Image Stabilization (OIS) feature helps to reduce blur caused by camera shake, particularly useful when shooting handheld or in low light. The OIS function is typically controlled via your camera's menu settings. Refer to your camera's instruction manual for details on enabling or disabling OIS.

5. Maintenance

5.1 Cleaning the Lens

- **Lens Elements:** Use a lens blower to remove dust and loose particles. For smudges or fingerprints, use a clean, soft microfiber lens cloth and a small amount of lens cleaning solution. Wipe gently in a circular motion from the center outwards.
- **Lens Barrel:** Wipe the exterior of the lens with a soft, dry cloth. Do not use organic solvents such as paint thinner or benzene.
- **Lens Mount:** Keep the lens mount clean and free of dust. Avoid touching the electronic contacts.

5.2 Storage

When not in use, store the lens with both front and rear caps attached in a cool, dry place away from direct sunlight and extreme temperatures. Avoid storing the lens in areas with high humidity to prevent mold growth.

6. Troubleshooting

Problem	Possible Cause	Solution
Lens not attaching securely.	Incorrect alignment or obstruction.	Ensure white marks on lens and camera are aligned. Check for any debris on the mount.
Autofocus is slow or inaccurate.	Low light conditions, dirty lens contacts, or camera settings.	Ensure sufficient light. Clean lens and camera contacts. Check camera's AF mode and settings.
Images appear blurry.	Camera shake, incorrect focus, or dirty lens.	Ensure OIS is enabled (if applicable). Check focus. Clean lens elements. Use a faster shutter speed or tripod.
Lens not recognized by camera.	Poor connection or firmware issue.	Re-attach the lens. Clean lens and camera contacts. Ensure camera firmware is up to date.

7. Specifications

Brand	Fujifilm
Model Name	XC 16-50mm f/3.5-5.6 OIS
Model Number	XC1650BLACK
Lens Mount	Fujifilm X-Mount
Focal Length	16-50mm (24-76mm equivalent in 35mm format)
Maximum Aperture	f/3.5-5.6
Minimum Aperture	f/22
Optical Design	3 Aspherical Elements, 1 ED Element
Image Stabilization	Optical Image Stabilization (OIS)
Diaphragm Blades	7, Rounded
Filter Size	58mm
Focus Type	Auto Focus
Weight	Approx. 0.36 lbs (163g)
Color	Black



Figure 4: Lens barrel displaying model and manufacturing details.

8. Warranty and Support

For detailed warranty information, please refer to the warranty card included with your product or visit the official Fujifilm website. Fujifilm provides customer support for product inquiries, technical assistance, and service. Contact information can typically be found on the Fujifilm website or in your product's packaging.

Online Support: Fujifilm Global Support

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