

Irix IL-11FF-NF

Irix 11mm f/4.0 Firefly Lens for Nikon F-Mount Instruction Manual

Model: IL-11FF-NF

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1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Irix 11mm f/4.0 Firefly Lens for Nikon F-mount cameras. Please read this manual thoroughly before using the lens to ensure optimal performance and longevity.

The Irix 11mm f/4.0 Firefly is a high-quality, ultra-wide-angle rectilinear lens designed for both APS-C and full-frame Nikon F-mount cameras. It features a built-in AE chip for enhanced camera compatibility and exposure control.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Ultra-Wide Angle:** Offers a 126° angle of view, making it suitable for landscapes, architecture, and astrophotography.
- **Rectilinear Design:** Minimizes distortion, ensuring straight lines remain straight, unlike fisheye lenses.
- **Nikon F-Mount Compatibility:** Designed for seamless integration with Nikon F-mount cameras, supporting both APS-C and Full Frame sensors.
- **Built-in AE Chip:** Provides electronic communication with the camera for aperture control and exposure metering.
- **Infinity Click-Stop:** Features a clearly labeled infinity position on the focus ring with a tactile click-stop for easy focusing, even in low light.
- **Close Focusing Distance:** Capable of focusing as close as 0.275 meters (0.9 feet).

2.2 Lens Components

Familiarize yourself with the main components of your Irix 11mm f/4.0 Firefly lens.



Figure 1: Top-down view of the Irix 11mm f/4.0 Firefly lens, showing the focus ring, aperture markings, and lens hood.



Figure 2: Angled view of the Irix 11mm f/4.0 Firefly lens, highlighting the Nikon F-mount and rear element.

1. **Lens Hood:** Integrated to reduce flare and protect the front element.
2. **Focus Ring:** Used for manual focusing. Features an infinity click-stop.
3. **Depth of Field Scale:** Provides visual cues for hyperfocal distance and depth of field.
4. **Mounting Index:** Alignment mark for attaching the lens to the camera body.
5. **Nikon F-Mount:** The camera interface with the built-in AE chip.

3. SETUP

3.1 Attaching the Lens

1. Ensure your camera is turned off.
2. Remove the rear lens cap and the camera body cap.
3. Align the mounting index mark on the lens with the corresponding mark on your Nikon F-mount camera body.
4. Gently insert the lens into the camera mount.
5. Rotate the lens clockwise until it clicks into place, indicating it is securely locked.
6. Remove the front lens cap.

3.2 Detaching the Lens

1. Ensure your camera is turned off.
2. Press and hold the lens release button on your camera body.
3. Rotate the lens counter-clockwise until it detaches from the camera mount.
4. Immediately attach the rear lens cap to the lens and the body cap to the camera to protect against dust and damage.

4. OPERATING INSTRUCTIONS

4.1 Manual Focus

The Irix 11mm f/4.0 Firefly is a manual focus lens. To focus:

- Look through the viewfinder or use Live View on your camera's LCD screen.
- Rotate the focus ring on the lens until your subject appears sharp.
- Utilize your camera's focus assist features, such as focus peaking (if available) or the electronic rangefinder (focus confirmation dot in the viewfinder), for precise focusing.
- The lens features a tactile "infinity click-stop" on the focus ring. This allows you to quickly set focus to infinity without looking, which is particularly useful for landscape and astrophotography.

4.2 Aperture Control

Thanks to the built-in AE chip, the aperture of the Irix 11mm f/4.0 Firefly lens is controlled directly from your camera body. Set your desired aperture value using your camera's controls, and the lens will adjust accordingly.

4.3 Recommended Applications

This lens is highly versatile for various photographic genres:

- **Landscape Photography:** Capture expansive scenes with its ultra-wide field of view.
- **Architecture and Real Estate:** Ideal for interior and exterior shots, ensuring minimal distortion of straight lines.
- **Astrophotography:** The wide aperture and infinity click-stop make it excellent for capturing night skies and celestial events.
- **Nature Photography:** Great for capturing broad natural vistas.

5. MAINTENANCE

5.1 Cleaning the Lens

- Always use a soft, clean microfiber 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 surface.
- Remove dust with a blower brush before wiping to prevent scratching.
- Avoid touching the lens elements with your fingers.

5.2 Storage

- When not in use, always attach both front and rear lens caps.
- Store the lens in a dry, cool place, away from direct sunlight and extreme temperatures.
- If storing for extended periods, consider using a dehumidifying agent to prevent mold growth.

6. TROUBLESHOOTING

6.1 Image Distortion

While the Irix 11mm f/4.0 is a rectilinear lens designed to minimize distortion, some perspective distortion can occur, especially when shooting at extreme angles (e.g., pointing the camera significantly up or down). This is a characteristic of ultra-wide-angle lenses and not a defect.

- **Solution:** Try to keep the camera level when shooting architectural subjects to maintain straight lines. Minor perspective corrections can often be applied in post-processing software.

6.2 Chromatic Aberrations (Color Fringing)

In high-contrast scenes, you might observe some color fringing (chromatic aberrations) at the edges of your images. This is common with wide-angle lenses.

- **Solution:** Most modern photo editing software (e.g., Adobe Lightroom, Photoshop) includes tools to automatically or manually correct chromatic aberrations.

6.3 Difficulty with Manual Focus

Manual focusing, especially with a wide-angle lens, requires practice.

- **Solution:** Use your camera's Live View mode with magnification for critical focus. Engage focus peaking if your camera supports it. Practice using the infinity click-stop for distant subjects.

7. SPECIFICATIONS

| Feature | Detail |
|------------------------|---------------------------|
| Model Number | IL-11FF-NF |
| Focal Length | 11 mm |
| Maximum Aperture | f/4.0 |
| Lens Type | Wide Angle, Rectilinear |
| Compatible Mountings | Nikon F |
| Angle of View | 126° |
| Minimum Focus Distance | 0.275 m (0.9 ft) |
| Dimensions (L x W x H) | 3.94 x 5.51 x 3.94 inches |
| Item Weight | 1.32 pounds |
| Manufacturer | Irix |

8. WARRANTY AND SUPPORT

8.1 Warranty Information

Irix products are covered by a manufacturer's warranty. For specific details regarding the warranty period

and terms for your Irix 11mm f/4.0 Firefly lens, please refer to the warranty card included with your product or visit the official Irix website. Keep your proof of purchase for warranty claims.

8.2 Customer Support

If you encounter any issues or have questions not covered in this manual, please contact Irix customer support:

- **Online Support:** Visit the official Irix website for FAQs, software updates, and contact forms.
- **Local Distributor:** Contact your local Irix distributor or authorized service center for assistance.