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› 7artisans 6mm F2.0 Fisheye Camera Lens (M43 Mount) Instruction Manual

## 7artisans 6mm F2.0 Fisheye (M43 Mount)

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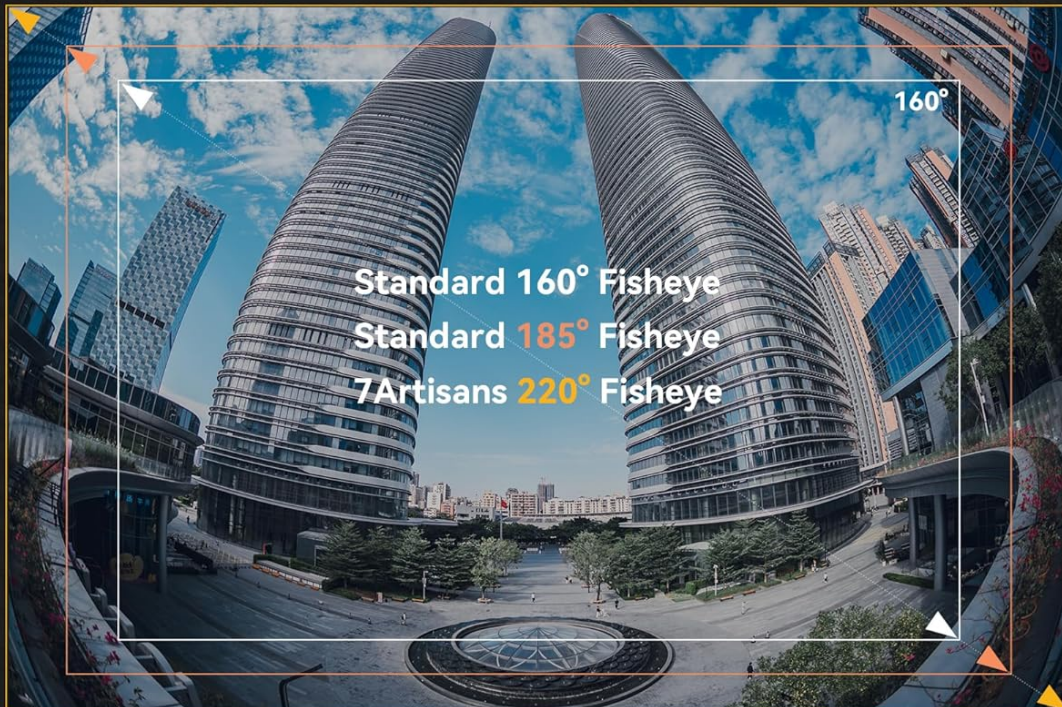
## 1. INTRODUCTION

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This manual provides detailed instructions for the proper use and care of your 7artisans 6mm F2.0 Fisheye Camera Lens designed for M43 Mount cameras. This lens offers an ultra-wide 220° diagonal field of view, a large F2.0 aperture, and a minimum focusing distance of 0.1m, enabling unique photographic perspectives.

## 【220° Ultra-wide-angle Fisheye View】

The 7Artisans 6mm f2.0 lens features an extremely short focal length of 6mm, offering an astonishing field of view of up to 220°. It belongs to the fisheye lens category and can create images with strong visual impact and exaggerated distortion effects, making it particularly suitable for shooting subjects that require covering a wide range of scenes.



Standard 160° Fisheye



Standard 185° Fisheye



7Artisans 220° Fisheye

Image 1.1: The 7Artisans 6mm F2.0 Fisheye Lens for M43 Mount.

## 2. PRODUCT FEATURES

- **220° Ultra-Wide Diagonal Fisheye:** This lens provides an expansive 220-degree field of view, exceeding conventional fisheye lenses (typically 160°-185°). This allows for strong visual impact and exaggerated distortion effects, suitable for capturing wide scenes.
- **F2.0 Large Aperture:** The maximum aperture of F2.0 is significant for a fisheye lens, allowing more light to enter the camera. This feature is beneficial in low-light conditions, astrophotography, and indoor panoramic photography, helping to achieve faster shutter speeds or lower ISO settings for cleaner images.
- **0.1m Minimum Focusing Distance:** With a close minimum focusing distance of 0.1 meters, the lens can create exaggerated close-up effects, adding visual tension to your photographs.
- **Advanced Optical Design:** Incorporates 2 High Refractive Index Glasses and 2 Low Dispersion Glasses. These elements help to effectively refract light, reduce chromatic aberrations (such as purple and green fringing), and enhance image sharpness and color accuracy.



Image 2.1: Comparison of 220° fisheye view with standard fisheye lenses.

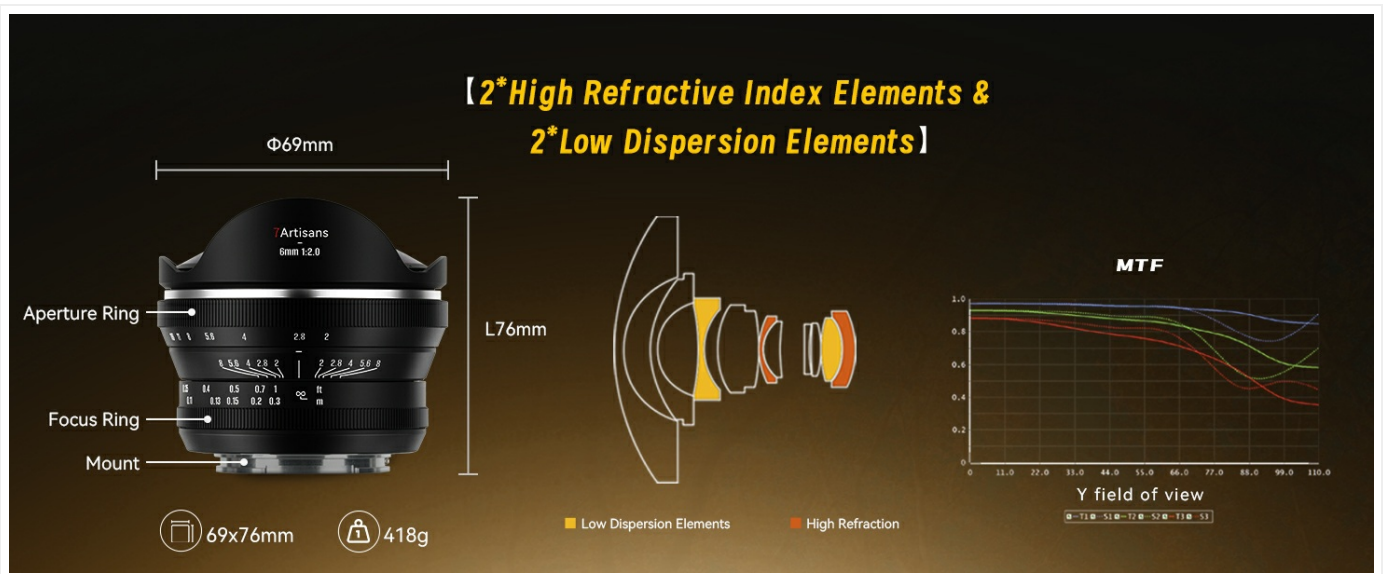


Image 2.2: Example of F2.0 large aperture performance in low light.

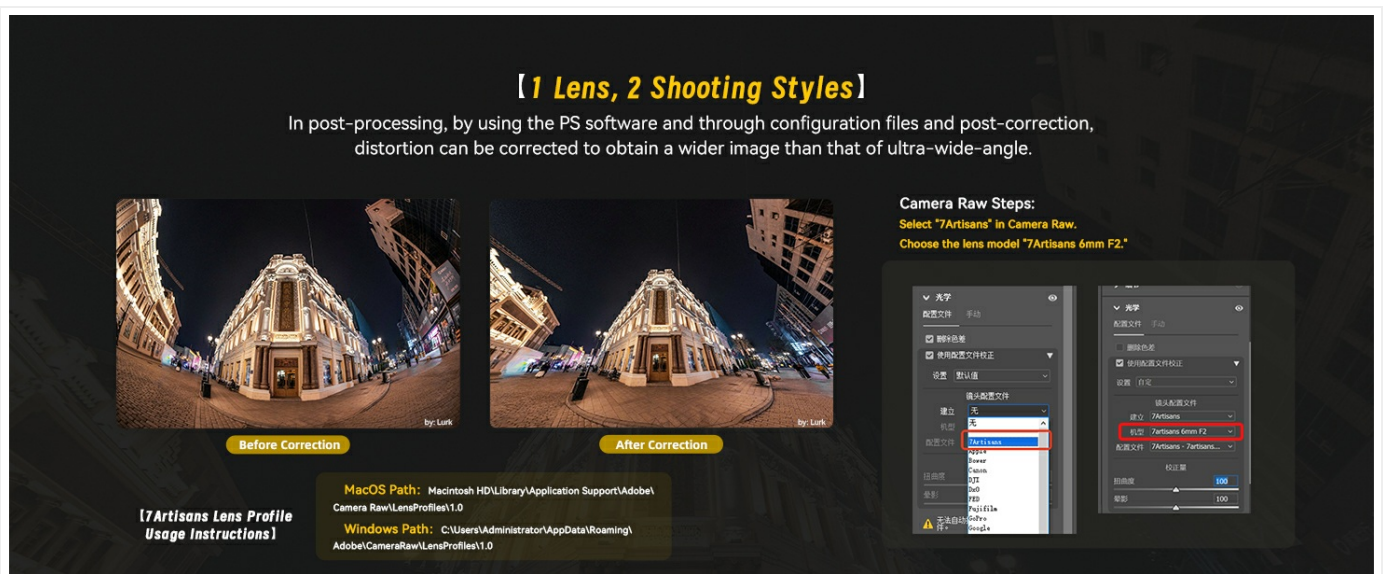


Image 2.3: Demonstrating the close-up capabilities with 0.1m minimum focusing distance.

### 3. SETUP AND INSTALLATION

1. **Prepare Your Camera:** Ensure your camera is powered off before attaching or detaching any lens.
2. **Remove Lens Caps:** Carefully remove the rear lens cap from the 7artisans 6mm F2.0 lens and the body cap from your M43 mount camera.
3. **Align Mounts:** Align the mounting index (usually a white dot or line) on the lens barrel with the corresponding index on your camera body.
4. **Attach Lens:** Insert the lens into the camera's lens mount and rotate it clockwise until it clicks into place. Do not force the lens.
5. **Remove Front Cap:** Remove the front lens cap before use.

This lens is compatible with M43 Mount cameras, including Panasonic GH series (GH1, GH2, GH3, GH4, GH5, GH5s, GH6, GH7), G9 series (G9, G9M2), GX series (GX7, GX8, GX85/GX80, GX9), GF series (GF1, GF2, GF3, GF5, GF6, GF7, GF8, GF9, GF10), BGH series (DC-BGH1), and Olympus EPM/EP/EPL/PEN/EM Series.

## **【0.1m Minimum Focusing Distance】**

The 7artisans 6mm f2.0 lens has a minimum focusing distance of 0.1m. Combined with the unique optical perspective of fisheye lenses, it can capture exaggerated close-up effects with visual tension.



Image 3.1: The 7artisans 6mm F2.0 Fisheye Lens attached to a camera body.

## **4. OPERATING INSTRUCTIONS**

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The 7artisans 6mm F2.0 is a manual focus, manual aperture lens. Familiarize yourself with its controls for optimal use.

#### 4.1. Focus Control

Rotate the **Focus Ring** on the lens barrel to adjust the focus. Use your camera's focus peaking or magnification features to achieve precise focus, especially given the wide field of view.

#### 4.2. Aperture Control

Rotate the **Aperture Ring** to select your desired aperture setting. The lens features a clicked aperture ring for tactile feedback. A wider aperture (smaller f-number like F2.0) allows more light and creates shallower depth of field, while a narrower aperture (larger f-number like F16) allows less light and increases depth of field.

#### 4.3. Fisheye Photography Tips

- **Composition:** Due to the extreme wide angle and distortion, pay close attention to your composition. Straight lines near the edges of the frame will appear curved.
- **Close-ups:** Utilize the 0.1m minimum focusing distance to create dramatic close-up shots with a distorted background.
- **Horizon Placement:** Placing the horizon line in the center of the frame will minimize its curvature. Moving it towards the top or bottom will exaggerate the curve.

#### 4.4. Post-Correction of Distortion

While the fisheye effect is a key characteristic, distortion can be corrected in post-processing using software like Adobe Photoshop (PS) or Lightroom. This can help achieve a wider, less distorted image, similar to an ultra-wide-angle rectilinear lens.

##### Camera Raw Steps:

1. Open your image in Adobe Camera Raw.
2. Navigate to the Lens Corrections panel.
3. Select '7artisans' as the manufacturer.
4. Choose the lens model '7artisans 6mm F2.0'.

Lens profile files are typically located at:

- **MacOS Path:** *Macintosh HD/Library/Application Support/Adobe/Camera Raw/LensProfiles/1.0*
- **Windows Path:** *C:/Users/[Your Username]/AppData/Roaming/Adobe/CameraRaw/LensProfiles/1.0*

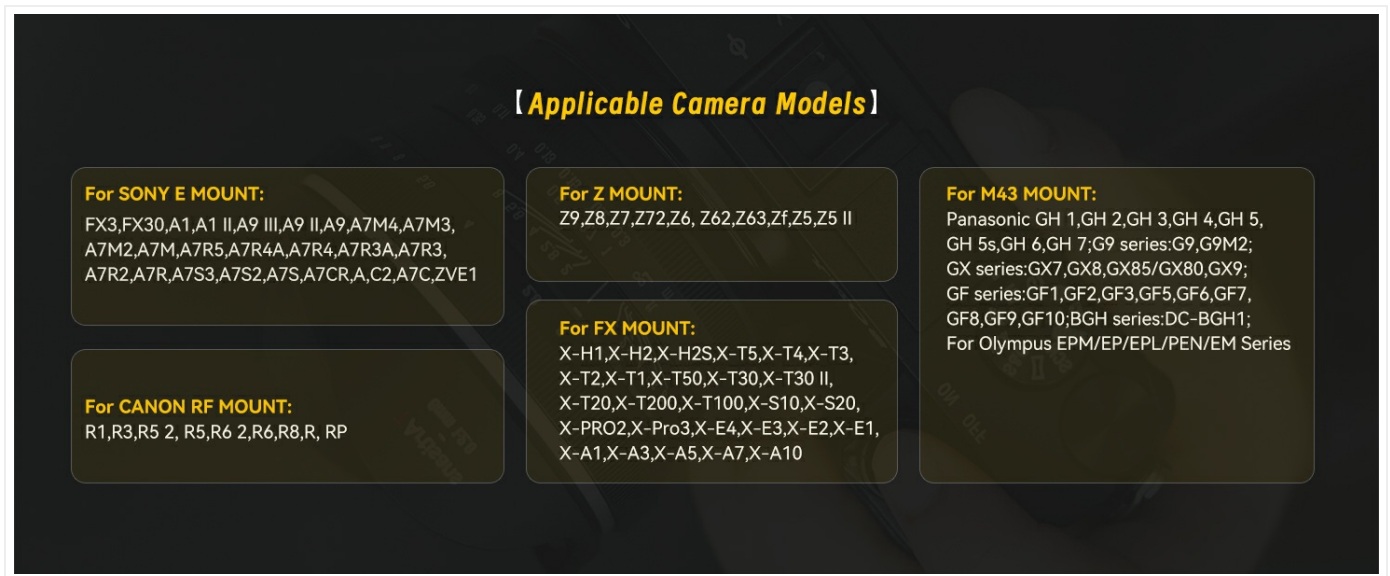


Image 4.1: Example of image before and after lens profile correction.

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Video 4.1: Official product video demonstrating the 7artisans 6mm F2.0 Fisheye Lens in use, showcasing its ultra-wide view and close-focus capabilities.

## 5. MAINTENANCE

- **Cleaning the Lens:** Use a soft, lint-free microfiber cloth specifically designed for optics to clean the lens elements. For stubborn smudges, use a small amount of lens cleaning fluid applied to the cloth, not directly to the lens.
- **Dust Removal:** Use a blower brush to remove dust particles from the lens surface before wiping. Avoid using compressed air, which can damage coatings.
- **Storage:** Store the lens in a dry, cool place, away from direct sunlight and extreme temperatures. Always attach both front and rear lens caps when not in use to protect the glass elements.
- **Avoid Moisture:** Keep the lens away from water and high humidity. If it gets wet, wipe it dry immediately.

## 6. TROUBLESHOOTING

- **Image is blurry/out of focus:** Ensure you are using your camera's focus peaking or magnification aid for accurate manual focusing. Check that the aperture is set appropriately for your desired depth of field.
- **Lens not attaching to camera:** Verify that the lens mount index marks are aligned correctly and that you are rotating the lens in the correct direction until it clicks. Ensure your camera is an M43 mount model.
- **Dark corners (vignetting):** Some degree of vignetting is common with ultra-wide and fisheye lenses. This can often be corrected in post-processing software.
- **Chromatic Aberration/Color Fringing:** While the lens design minimizes this, some fringing may occur in high-contrast areas. This can typically be corrected using lens correction tools in image editing software.

## 7. SPECIFICATIONS

| Specification | Value                      |
|---------------|----------------------------|
| Brand         | 7artisans                  |
| Model Name    | 7artisans 6mm F2.0 Fisheye |

|                               |  |
|-------------------------------|--|
| Focal Length                  | 6mm  |
| Lens Type                     | Fisheye, Prime   |
| Compatible Mountings          | M43 Mount (Panasonic GH/G9/GX/GF/BGH series, Olympus EPM/EP/EPL/PEN/EM Series) |
| Maximum Aperture              | F2.0   |
| Minimum Aperture              | F16  |
| Real Angle Of View            | 220 Degrees  |
| Focus Type                    | Manual Focus   |
| Minimum Focusing Distance     | 0.1m   |
| Image Stabilization           | No image stabilization   |
| Exposure Control Type         | Manual   |
| Water Resistance Level        | Not Water Resistant  |
| Light Sensitivity (ISO Range) | 100-6400   |

## [ Advantage of **F2.0** Large Aperture ]

The maximum aperture of F2.0 is relatively large among similar fisheye lenses. Compared with the common F2.8 or F3.5 aperture lenses, it allows more light to pass through. This means that in low-light environments such as astrophotography and indoor panoramic creation, it can effectively increase the shutter speed or reduce the ISO, thereby obtaining a purer image.



Image 7.1: Optical diagram and dimensions of the 7artisans 6mm F2.0 Fisheye Lens.

## 8. WHAT'S IN THE BOX

Upon opening the package, you should find the following items:

- 1x 7artisans 6mm F2.0 Fisheye Camera Lens
- 1x Lens Front Cap
- 1x Lens Rear Cap
- 1x Instruction Manual
- 1x Lens Package Box



## 【PACKAGE CONTENTS】

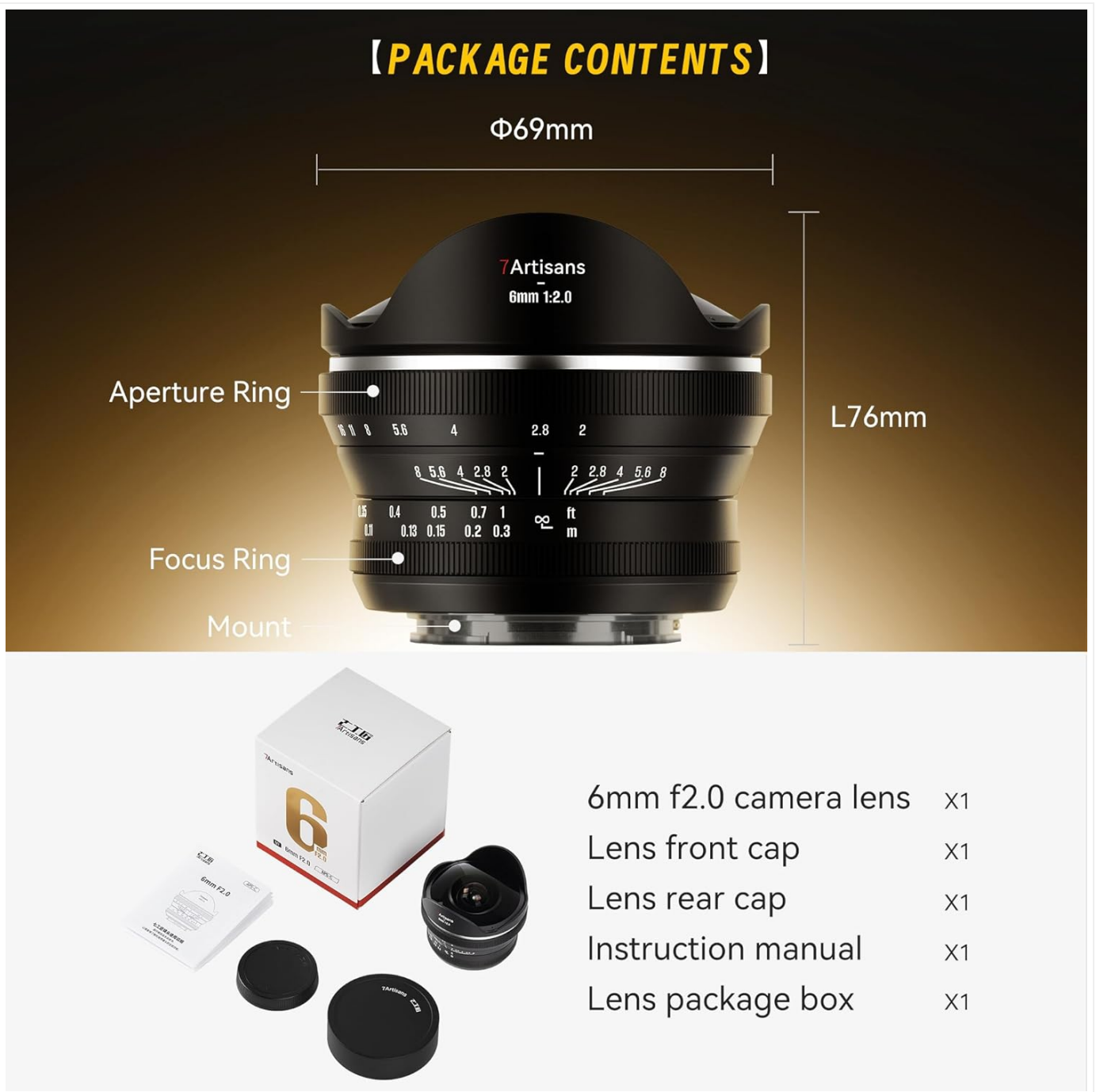


Image 8.1: Contents included in the 7Artisans 6mm F2.0 Fisheye Lens package.

## 9. WARRANTY AND SUPPORT

This 7Artisans 6mm F2.0 Fisheye Camera Lens comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects under normal use.

For warranty claims, technical support, or any inquiries regarding your product, please contact the seller, Mivitar Official Store, directly through your purchase platform. Please retain your proof of purchase for warranty validation.

