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› Digital Nc 500mm f/8 Manual Focus Telephoto Lens for Olympus E-400 Cameras Instruction Manual

Digital Nc 500LI27OE400

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Model: 500LI27OE400

INTRODUCTION

This manual provides detailed instructions for the proper setup, operation, and maintenance of your Digital Nc 500mm f/8 Manual Focus Telephoto Lens. This lens is designed for use with Olympus Four Thirds System cameras, including the Olympus E-400, and features a T-mount for versatile compatibility. With the included 2x converter, the effective focal length can be extended to 1000mm.

Please read this manual thoroughly before using the lens to ensure optimal performance and longevity.

PACKAGE CONTENTS

Verify that all items are present in your package:

- 500mm Telephoto Lens
- 2x Converter Adapter
- Lens Case
- 10 Year Warranty Card



Figure 1: Included Accessories. This image displays the 500mm telephoto lens, a 2x converter, a T-ring (required for mounting), and a soft lens case.

SETUP

1. **Attaching the T-Mount Adapter:** The lens utilizes a T-mount (T-thread) system. First, securely screw the appropriate T-ring adapter (often included with the 2x converter or purchased separately) onto your camera body. Ensure it is firmly seated.
2. **Attaching the Lens:** Align the T-mount on the lens with the T-ring adapter on your camera. Gently twist the lens clockwise until it locks into place. Do not force the connection.
3. **Using the 2x Converter (Optional):** To achieve a 1000mm focal length, first attach the 2x converter adapter to the T-ring on your camera body, then attach the 500mm lens to the 2x converter. This will double the effective focal length.
4. **Mounting on a Tripod:** Due to the lens's focal length and weight, a tripod is highly recommended for stable imaging. The lens features a fixed tripod collar. Attach your tripod's quick-release plate to this collar for balanced support.



Figure 2: Lens Mounted on Camera with Tripod. This image demonstrates the lens attached to a DSLR camera, which is then mounted on a tripod for stability. Note the tripod collar on the lens.

OPERATING INSTRUCTIONS

Manual Focus

This lens is a manual focus lens. There is no autofocus capability. To focus, rotate the knurled focus ring located on the front of the lens until your subject appears sharp in the viewfinder or on your camera's LCD screen. For precise focusing, especially at long focal lengths, use your camera's live view mode with magnification.

Aperture Control

The lens features a fixed maximum aperture of f/8 and a minimum aperture of f/32. Adjust the aperture ring on the lens to control the amount of light entering the camera and to influence depth of field. Wider apertures (smaller f-numbers) allow more light and create shallower depth of field, while narrower apertures (larger f-numbers) reduce light and increase depth of field.

Exposure Settings

Since this is a manual lens, you will need to set your camera to manual (M) or aperture-priority (A/Av) mode. In manual mode, you control both aperture and shutter speed. In aperture-priority mode, you set the aperture on the lens, and the camera automatically selects the appropriate shutter speed. Monitor your camera's exposure meter to achieve correct exposure.

Image Stabilization

This lens does not feature built-in image stabilization. When shooting handheld, especially at longer focal lengths, use faster shutter speeds to minimize camera shake. Utilizing a tripod is highly recommended for sharp images.



Figure 3: Example Image (Duck). This image illustrates a subject captured with a telephoto lens, demonstrating the magnification capabilities.



Figure 4: Example Image (Zebra). Another example showcasing the telephoto lens's ability to capture distant subjects with detail.

MAINTENANCE

Cleaning the Lens

- Use a soft lens brush or a can of compressed air to remove dust and loose particles from the lens surfaces.
- For smudges or fingerprints, apply a small amount of lens cleaning solution to a clean microfiber lens cloth and gently wipe the lens in a circular motion from the center outwards.
- Never use abrasive materials, household cleaners, or excessive force when cleaning the lens.

Storage

- When not in use, store the lens with both front and rear caps attached in the provided lens case or a padded camera bag.
- Avoid storing the lens in areas with extreme temperatures, high humidity, or direct sunlight.

- Keep the lens away from dust and moisture to prevent damage to the optical elements.

TROUBLESHOOTING

Blurry Images

- **Manual Focus:** Ensure the lens is accurately focused on your subject. Use your camera's live view magnification for critical focus.
- **Camera Shake:** At 500mm (or 1000mm with converter), even slight camera movement can cause blur. Use a tripod, a remote shutter release, or your camera's self-timer. Increase shutter speed if shooting handheld.
- **Low Light:** In low light conditions, slower shutter speeds are often required, increasing the risk of camera shake. Consider increasing ISO or using a tripod.

Dark or Underexposed Images

- **Aperture Setting:** Ensure the aperture is set appropriately for the lighting conditions. The maximum aperture is f/8, which may require higher ISO or slower shutter speeds in dim light.
- **Camera Settings:** Verify your camera's ISO and shutter speed settings. Adjust them to achieve proper exposure.

SPECIFICATIONS

Feature	Specification
Focal Length	500mm (1000mm with 2x converter)
Aperture Range	f/8 (Maximum) - f/32 (Minimum)
Camera Mount Type	T-mount (T-thread)
Format Compatibility	35mm Film / Full-Frame Digital Sensor / DSLR (APS-C Sensor)
Angle of View	5°
Minimum Focal Distance	33' (10 m)
Elements/Groups	4 elements in 4 groups
Image Stabilization	No
Auto Focus	No (Manual Focus Only)
Tripod Collar	Yes (Fixed)
Filter Thread	67mm
Dimensions	~ 2.76 x 11.73" (7.01 x 29.79 cm)
Weight	1.41 lb (640 g)



Figure 5: Lens Dimensions. This image provides a visual representation of the lens's physical dimensions.

WARRANTY INFORMATION

Your Digital Nc 500mm f/8 Manual Focus Telephoto Lens comes with a 10-year warranty. Please refer to the included warranty card for specific terms, conditions, and registration details. Retain your proof of purchase for warranty claims.

SUPPORT

For further assistance, technical support, or inquiries regarding your Digital Nc product, please visit the official Digital Nc Store online. You can find additional resources and contact information there.

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