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› Digital Nc 1000mm Lens for Pentax K-5 IIs (Manual Focus) User Manual

Digital Nc 500LI27P XK5 IIs-A

Digital Nc 1000mm Lens User Manual

Model: 500LI27P XK5 IIs-A

INTRODUCTION

This manual provides comprehensive instructions for the proper use, setup, operation, and maintenance of your Digital Nc 1000mm (500mm with 2x converter) Manual Focus Lens. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

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



Image: Included accessories for the Digital Nc 1000mm lens, showing the 2x converter, T-ring, and a soft lens case.

SPECIFICATIONS

Focal Length	500mm (effectively 1000mm with 2x converter)
Aperture Range	f/8 (Maximum) to 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	4/4
Image Stabilization	No
Auto Focus	No
Tripod Collar	Yes
Filter Thread	67mm
Dimensions	~ 2.76 x 11.73" (7.01 x 29.79 cm)
Weight	1.41 lb (640 g)



Image: Side view of the lens with dimensions indicated, showing a length of 11.73 inches and a diameter of 2.76 inches.

SETUP

1. **Attach the T-mount Adapter:** The lens uses a universal T-mount (T-thread) system. First, screw the appropriate T-mount adapter (specific to your camera brand, e.g., Pentax K-mount) onto the rear of the lens. Ensure it is securely tightened.
2. **Attach the 2x Converter (Optional):** If you wish to achieve the 1000mm effective focal length, attach the 2x converter between the lens and the T-mount adapter. Screw the 2x converter onto the rear of the lens, then attach the T-mount adapter to the rear of the 2x converter.
3. **Mount to Camera:** Align the T-mount adapter with your camera's lens mount indicators and rotate until it clicks into place. Ensure the lens is firmly attached to the camera body.
4. **Attach to Tripod:** Due to the significant focal length and weight, it is highly recommended to use a sturdy tripod. Attach the lens's integrated tripod collar directly to your tripod's quick-release plate or tripod head. This provides better balance and stability than mounting the camera body directly.



Image: The Digital Nc 1000mm lens attached to a DSLR camera, which is then mounted on a tripod via the lens's tripod collar for stability.

OPERATING INSTRUCTIONS

Manual Focus

This is a manual focus lens. To achieve sharp images:

1. **Set Camera to Manual Mode:** Ensure your camera is set to Manual (M) or Aperture Priority (Av/A) mode. Disable any autofocus settings on your camera.
2. **Adjust Aperture:** Rotate the aperture ring on the lens to select your desired f-stop. The lens offers apertures from f/8 to f/32. A wider aperture (smaller f-number) allows more light but has a shallower depth of field. A narrower aperture (larger f-number) allows less light but provides a greater depth of field.
3. **Focusing:** Look through your camera's viewfinder or use Live View on your LCD screen. Rotate the knurled focus ring (located towards the front of the lens) until your subject appears sharp. For critical focus, especially at long focal lengths, use your camera's focus peaking or magnification features if available.
4. **Shutter Speed:** Adjust your camera's shutter speed to achieve proper exposure. Given the long focal length, a faster shutter speed is generally required to prevent camera shake, even when using a tripod.

Using the Tripod Collar

The integrated tripod collar allows for stable mounting and rotation. Loosen the knob on the tripod collar to rotate the lens and camera assembly for horizontal or vertical shooting without removing it from the tripod. Tighten the knob firmly once the desired orientation is achieved.



Image: A detailed view of the Digital Nc 1000mm lens, showcasing its long barrel, knurled focus ring, and integrated tripod collar.



Image: An overhead view of the Digital Nc 1000mm lens, highlighting its textured grip areas and overall cylindrical design.



Image: An example photograph demonstrating the telephoto capabilities, featuring a duck in a grassy field, framed as if through a camera viewfinder.



Image: An example photograph demonstrating the telephoto capabilities, featuring a zebra grazing in dense foliage, captured with a shallow depth of field.

MAINTENANCE

- **Cleaning the Lens:** Use a soft, lint-free microfiber cloth specifically designed for optical surfaces to clean the lens elements. For stubborn smudges, use a small amount of lens cleaning solution applied to the cloth, not directly to the lens. Avoid touching the glass surfaces with your fingers.
- **Dust Removal:** Use a blower brush or compressed air (specifically for electronics/optics) to remove dust particles from the lens surface before wiping.
- **Storage:** When not in use, store the lens in its provided lens case or a padded camera bag to protect it from dust, moisture, and physical impact. Keep lens caps on both ends.
- **Environmental Protection:** Avoid exposing the lens to extreme temperatures, high humidity, or direct sunlight for prolonged periods.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Images are blurry/out of focus.	Incorrect manual focus, camera shake, insufficient shutter speed.	Ensure precise manual focus. Use a sturdy tripod. Increase shutter speed, especially for handheld shots (not recommended for this lens). Use camera's focus aids.
Images are too dark or too bright.	Incorrect aperture or shutter speed settings.	Adjust the aperture ring on the lens and/or the shutter speed on your camera to achieve correct exposure. Use your camera's light meter.
Lens not attaching securely to camera.	T-mount adapter not properly attached or incorrect T-mount for camera.	Ensure the T-mount adapter is fully screwed onto the lens. Verify you have the correct T-mount adapter for your specific camera brand/mount.

WARRANTY AND SUPPORT

This Digital Nc 1000mm Lens comes with a**10-Year Warranty Card**. Please refer to the warranty card included in your package for detailed terms and conditions regarding coverage and claims. For technical support or further inquiries, please contact Digital Nc customer service through their official channels.

For additional information and product registration, visit the official Digital Nc store:[Digital Nc Store on Amazon](#).

