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Samsung EX-W16ANW/US

Samsung NX 16mm f/2.4 Camera Lens Instruction Manual

Model: EX-W16ANW/US

INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Samsung NX 16mm f/2.4 Camera Lens. Please read this manual thoroughly before using the product to ensure optimal performance and longevity. Keep this manual for future reference.

PRODUCT OVERVIEW

The Samsung NX 16mm f/2.4 lens is a compact, wide-angle prime lens designed for Samsung NX Compact System Cameras. It features a bright f/2.4 aperture, making it suitable for various lighting conditions, and integrates i-Function technology for intuitive camera control.

Key Features:

- **Ultra-wide angle:** Captures broad scenes, ideal for landscapes and architectural photography.
- **Bright f/2.4 aperture:** Excellent for low-light photography and achieving shallow depth of field.
- **i-Function technology:** Allows direct adjustment of camera settings via the lens ring.
- **Compact and lightweight design:** Enhances portability for everyday use.
- **Fixed focal length:** This is a prime lens and does not zoom.

Lens Components:

Familiarize yourself with the main parts of your lens:



Figure 1: Front View. This image displays the front of the Samsung NX 16mm f/2.4 lens, highlighting the front optical element and the 'i-Function' label.



Figure 2: Side View. This image shows the side profile of the Samsung NX 16mm f/2.4 lens, illustrating its compact barrel design and Samsung branding.



Figure 3: Rear View. This image presents the rear of the Samsung NX 16mm f/2.4 lens, detailing the lens mount and electronic contact pins for communication with the camera body.

SETUP AND INSTALLATION

Attaching the Lens to Your Camera:

1. Ensure your camera is powered off before attaching or detaching any lens.
2. Remove the rear lens cap from the 16mm f/2.4 lens and the body cap from your Samsung NX camera.
3. Align the white index mark on the lens barrel with the white index mark on your camera's lens mount.
4. Gently insert the lens into the camera mount and rotate it clockwise until it clicks into place. Do not force the lens.
5. Remove the front lens cap. Your lens is now ready for use.

Detaching the Lens:

1. Power off your camera.
2. Press and hold the lens release button on your camera body.
3. While holding the button, rotate the lens counter-clockwise until it detaches from the camera body.
4. Immediately attach the rear lens cap to the lens and the body cap to the camera to protect the sensor and lens elements from dust.

OPERATING INSTRUCTIONS

Using i-Function:

The Samsung NX 16mm f/2.4 lens features the intuitive i-Function button and ring, allowing you to quickly adjust camera settings without taking your eye from the viewfinder or screen.

- Press the i-Function button:** Located on the side of the lens barrel, pressing this button activates the i-Function menu on your camera's display.
- Rotate the i-Function ring:** Once the menu is active, rotate the lens's focus ring (i-Function ring) to cycle through available settings such as aperture, shutter speed, ISO, white balance, and exposure compensation.
- Adjust the selected setting:** With the desired setting highlighted, rotate the i-Function ring again to change its value. The changes will be previewed in real-time on your camera's display.

The specific settings available via i-Function may vary depending on your camera model and current shooting mode.

Focusing:

- Autofocus (AF):** When the camera is set to autofocus, the lens will automatically focus on your subject. Ensure your camera's focus mode is set appropriately (e.g., Single AF, Continuous AF).
- Manual Focus (MF):** To manually focus, set your camera to Manual Focus mode. Rotate the focus ring on the lens barrel to achieve sharp focus. Your camera may offer focus peaking or magnification aids to assist with manual focusing.

Aperture Control:

The f/2.4 aperture allows for significant control over depth of field. A wider aperture (smaller f-number like f/2.4) will create a shallower depth of field, blurring the background, while a narrower aperture (larger f-number) will keep more of the scene in focus.

CARE AND 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. Use a blower brush to remove dust particles before wiping.
- Cleaning the Lens Body:** Wipe the lens barrel with a soft, dry cloth. Do not use strong detergents or solvents.
- 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. Consider using a desiccant packet in your camera bag to prevent moisture buildup.
- Avoid Impact:** Protect the lens from drops and impacts, which can damage the optical elements or internal mechanisms.
- Environmental Protection:** Avoid exposing the lens to excessive dust, sand, or water. If used in such conditions, clean it thoroughly afterward.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Lens not recognized by camera.	Improperly mounted lens; dirty electronic contacts.	Ensure the lens is securely attached. Clean the lens and camera electronic contacts with a clean, dry cloth. Restart the camera.

Problem	Possible Cause	Solution
Autofocus is slow or inaccurate.	Low light conditions; low contrast subject; camera focus settings.	Ensure adequate lighting. Focus on a high-contrast area. Check camera's AF mode and area settings. Switch to manual focus if necessary.
Images appear blurry.	Incorrect focus; camera shake; dirty lens element.	Verify focus. Use a faster shutter speed or tripod to prevent camera shake. Clean the front and rear lens elements.
i-Function not responding.	Camera not in a compatible mode; temporary software glitch.	Ensure the camera is in a mode that supports i-Function (e.g., P, A, S, M). Power cycle the camera.

If you encounter issues not listed here, or if the suggested solutions do not resolve the problem, please contact Samsung customer support.

SPECIFICATIONS

Feature	Detail
Model Number	EX-W16ANW/US
Focal Length	16mm (Fixed)
Maximum Aperture	f/2.4
Lens Type	Wide Angle Prime Lens
Compatible Mountings	Samsung NX
Product Dimensions	0.94 x 2.4 x 2.4 inches (2.39 x 6.1 x 6.1 cm)
Item Weight	3.17 ounces (90 grams)
Manufacturer	Samsung Electronics
Date First Available	October 24, 2011

WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official Samsung website. For technical support, service, or inquiries, please contact Samsung customer service through their official channels.

Samsung Official Website: www.samsung.com