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D-XENON 100 MACRO User Manual

Thank you for buying a Samsung Lens.

This manual will guide you through using the lens

Please read this manual carefully before using the lens.

ENGLISH

FOREWORD

Thank you for purchasing the Schneider D-XENON lens.

This Schneider D-XENON lens features a "Quick-Shift Focus System" that lets you finely adjust the focus manually after the focus has been adjusted in addition to allowing you to enjoy taking pictures using autofocus or manual focus by mounting on the SAMSUNG GX -series digital SLR camera.

For further information on the use of this function, refer to page 12.

Schneider D-XENON lens can be used only with SAMSUNG GX -series SLR cameras. It is not compatible with film SLR cameras.

Please read this operating manual carefully before using the lens to ensure that it is used properly. In addition, also refer to your camera's operating manual.

- * In this operating manual, "Schneider D-XENON lens" is shortened to "D-XENON lens."
- * Illustrations shown herein may differ from the actual appearance.

FOR SAFE USE OF YOUR LENS

Although we have carefully designed these lenses for safe operation, please pay special attention to items marked with the following symbols when using this product.



WARNING

This symbol indicates precautions that if not followed, could result in serious injury to the user.



CAUTION

This symbol indicates precautions that if not followed, could result in minor or medium injury to the user or damage to the equipment.



WARNING

- Never look at the sun through the lens or camera. Serious damage to the retina or total loss of eyesight may occur.



CAUTION

- Do not leave the lens in direct sunlight without lens caps. Direct sunlight passing through the lens will be intensified, and should it focus on flammable materials, fire may occur.

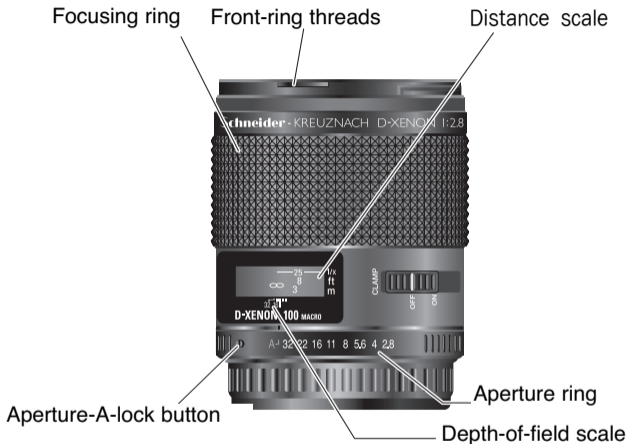
PRECAUTIONS AND LENS MAINTENANCE

1. Storage and mildew prevention
 - Take the lens out of the protective case or camera bag, and store it in a dry, well-ventilated place.
 - Avoid storing the lens in a poorly ventilated location such as a closet, wardrobe, drawer, vehicle, or where insect repellent or medicine is kept.
 - Avoid storing the lens in areas of high temperature and humidity, where there is a risk of mildew growth. Store the lens with a desiccant in a dry cabinet, airtight container, or plastic bag. (Leaving a saturated desiccant in the storage container can cause damage to the lens. Be sure to read the instructions that come with the desiccant before use.)
2. The lens is not waterproof. When using the lens in a rain or mist, be careful not to allow it to get wet.
3. Never use any organic solvent such as thinner, alcohol, or benzine, etc. to remove dust on the lens.
4. The lens is a precise optical instrument. Be careful not to let it fall, or subject it to strong shocks or pressure. Use a cushion or similar pad to protect the lens from the vibrations of motorcycles or other vehicles, boats, etc.
5. Avoid subjecting the lens to rapid changes in temperature, otherwise condensation can occur on both the inside and the outside of the lens. Put the lens in a plastic bag or camera bag, and take it out after the lens has reached ambient temperature.
6. When the lens is not attached to the camera body, attach both the supplied lens cap and lens mountcap to protect it from dust.
7. Do not leave the camera with the lens cap off attached to a tripod or other rigid camera support. The inner parts of the camera can be damaged by direct sunlight.
8. Have the lens inspected by a dealer every one or two years to maintain its high performance.

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Schneider D-XENON LENS



NOTE :

Aperture settings are controlled automatically as if set to the auto "A" position, so accessories without an auto "A" setting cannot be used with these lenses.

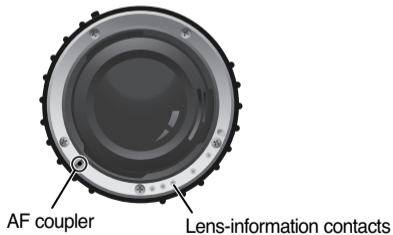
About the lens mount

The D-XENON lenses are primarily designed to work with the SAMSUNG autofocus DSLR (K_{AF} or K_{AF2}-mount camera), making autofocus shooting possible. When Zoom lenses with power

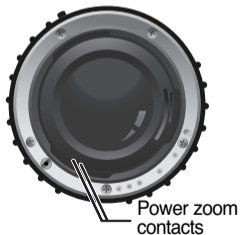
zoom function are used on the SAMSUNG K_{AF2}-mount camera, the camera features a Power Zoom system.

Mounts of Lenses without the power zoom function are K_{AF}.

K_{AF} mount

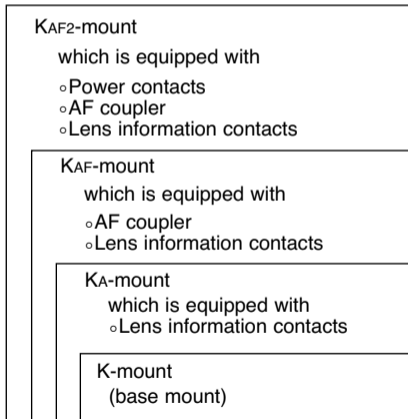


K_{AF2} mount



Lens Mount Compatibility

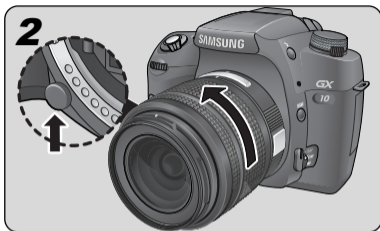
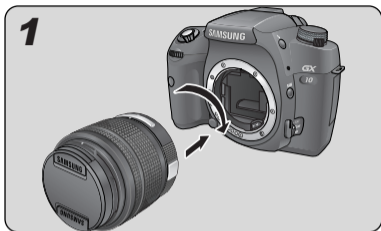
D-XENON lens mount compatibility chart is shown below.



CAUTION:

Be careful not to damage or dirty the lens-information contacts and AF coupler on the mount surfaces of the camera and lens. Otherwise, failure or malfunction may occur.

MOUNTING AND REMOVING THE LENS



1. To mount the lens on the camera body

Attach the lens while aligning the red dots on the lens and body, then turn the lens clockwise until it clicks in place.

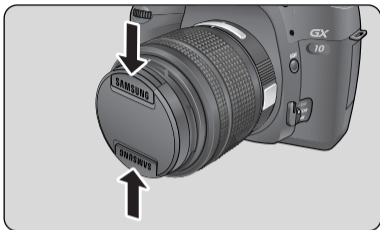
Memo:

- Do not hold down the lens unlock button while mounting the lens, otherwise the lens will not be properly mounted.
- After mounting the lens, gently turn the lens counterclockwise to make sure it is locked in place.

2. To remove the lens

Hold down the lens unlock button on the camera body and turn the lens counterclockwise.

LENS CAP

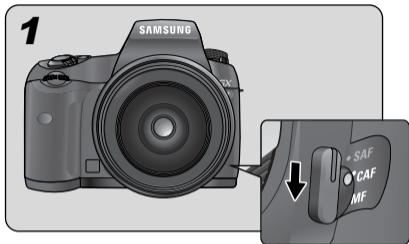


Take off the lens cap by pressing the two tabs inward as shown above.

 **Memo:**

- When not using the lens, be sure to attach the lens cap.

FOCUSING



Changing the Focus Mode

Use the camera's focus mode switch to change between the autofocus mode (SAF, CAF) and manual focus mode. For details, refer to your camera's manual.

1. Using Autofocus

Set the camera's focus mode to autofocus (SAF, CAF). Press the shutter button halfway to autofocus.

■ Focusing with the OK Button

With the GX-1S/1L camera set as explained below, auto focusing by pressing the shutter button halfway will be disabled and the OK button can be used instead to auto focus. On the [C Custom menu], select [Enable AF] for [OK btn when shooting].

■ Focusing with the AF Button

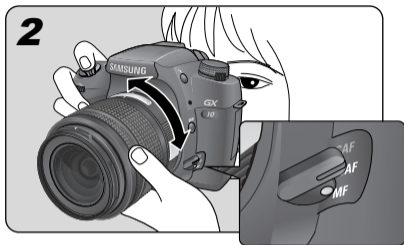
With the GX-10 camera set as explained below, auto focusing by pressing the shutter button halfway will be disabled and the AF button can be used instead to auto focus. On the [CUSTOM1 MENU] menu, select [Enable AF] for [AF Button Function].

Memo:

- For details on the setting procedure, refer to the camera's instruction manual.

CAUTION

During autofocus, the focusing ring will rotate. To prevent malfunction, do not touch the focusing ring during autofocus.



2. Using Manual Focus

Set to MF with the camera's focus mode, and turn the focusing ring to focus manually.

Using the Quick-Shift Focus System (GX -series cameras only)

If you use the lens with an GX -series camera and the focus mode is set to autofocus, you can focus manually after autofocus is achieved. Just turn the focusing ring to manually touch-up the focus. You can do this without changing the focus mode to MF.

How to use the Quick-Shift Focus System

1. Using Autofocus

Set the camera's focus mode switch to autofocus, then press the shutter button halfway to autofocus.

With the GX camera set as explained by "Focusing with the OK Button" on page 9, you can focus by pressing the OK button.

2. Hold down the shutter button halfway (or hold down the OK button) and then turn the focusing ring to focus.

※ You can focus the subject with the OK button (GX-1S / 1L) and the AF button (GX-10).

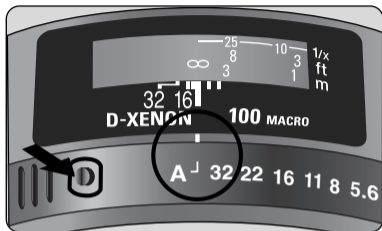
3. Finally, press the shutter release button fully to take a picture.

CAUTION

During autofocus, the focusing ring will rotate. To prevent malfunction, do not touch the focusing ring during autofocus.

- **When using the Quick Shift Focus System, keep pressing the shutter button after you achieve focus before taking a picture. If you let go of the shutter button before taking the picture, you will have to focus all over again when you press the shutter button again. In the following cases, you can take the picture without autofocus after letting go of the shutter button.**
- **With the GX-1S/1L camera, use the [C Custom] menu to set [Cancel AF] for [OK btn when shooting]. This will enable you to focus manually while you hold down the OK button. The setting procedure and more details are explained in the camera's instruction manual.**
- **With the GX-10 camera, use the [CUSTOM1 MENU] menu to set [Cancel AF] for [AF Button Function]. This will enable you to focus manually while you hold down the AF button. The setting procedure and more details are explained in the camera's instruction manual.**

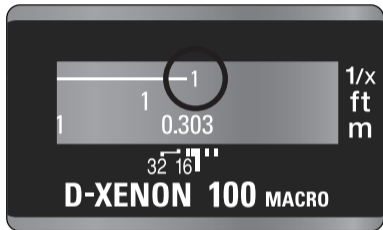
APERTURE CONTROL



Setting the aperture to "A"(Auto) Turn the aperture ring to align the aperture-A index with the line while depressing the Aperture-A-lock button. The aperture ring can be released from "A" in the same manner to set your desired f-stop manually.

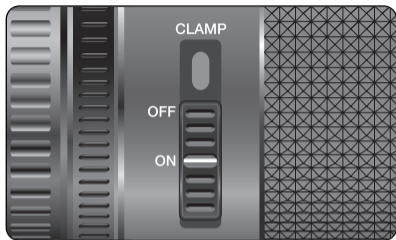
MACRO LENS

D-XENON Macro 100mm lenses enable closeup photography up to 1x magnification.



Magnification Scale

The magnification is indicated by denominators on the distance scale. “1” indicates “1x”. For example, “1” on the magnification scale at the top will make the magnification 1/1x. If you want to set the magnification first, turn the focusing ring to set the desired magnification. Then focus the subject by moving the camera forward or back.



About the Clamp Switch

The D-XENON Macro 100mm lenses are equipped with a Clamp switch which is convenient for manual focus.

The Clamp switch locks the manual focus position. You can use it when taking close-ups with a copy stand, for example.

Using the Clamp Switch

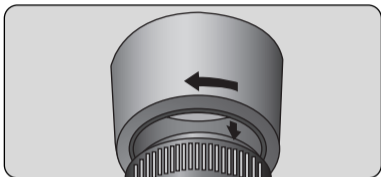
Focus manually, then set the Clamp switch to ON.

The point of focus will be locked. Autofocus will also be disabled.

- Do not turn the focusing ring forcibly while setting the Clamp switch to ON because there is a slight possibility that the point of focus may change.

ATTACHING THE LENS HOOD

In order to avoid the deterioration in image quality from internal reflection, use of the lens hood is recommended.



※ The lens hood image can be different depending on the lens hood type.

When attaching the lens hood, align the index on the lens hood with the attaching index on the lens, and push both parts straight toward each other. Attach the lens hood on the lens by turning the hood in the clockwise direction to lock it as viewed from the front of the lens until it clicks into position.

Memo:

- When attaching the lens hood, hold the focus ring securely to prevent them from turning.
- When the lens hood is not in use, it can also be turned around and attached in the reversed position.

FILTERS

Make sure the filter size matches the lens and then attach the filter onto the lens.

■ Precaution on filters

- Since the filter becomes a part of the optics when attached on the lens, handle it in the same way you handle the lens with care to dust, dirt and scratches. Normally, attaching two or more filters on a lens is not recommended. However, attaching a circular polarizing filter and another filter would not be a problem.
- Use a circular polarizing filter with Autofocus camera for proper exposure and autofocusing.

PRECAUTIONS WHEN USING THE LENS WITH A FLASH

Built-in Flash

The built-in flash can not be used when the distance is less than 0.7m. When the flash is used within 0.7m, that causes incorrect exposure control and vignetting in the picture corners.

- The built-in flash may be blocked by the lens hood. Always make sure to remove the lens hood before using the built-in flash.

MAIN SPECIFICATIONS

Elements in groups	8 groups, 9 elements
Angle of View	24.5°
Aperture	F2.8
Mount Type	PENTAX KAF mount
Minimum Focus Distance	0.303m
Max. Diameter x Length	Approx. 1
Lens Hood	SCH-B49
Filter Size	49mm
Maximum Magnification	67.5x80.5mm
Weight	345g

* Specifications are subject to change without prior notice.

* All trademarks are the property of their respective owners.

For customers in USA

STATEMENT OF FCC COMPLIANCE

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

- Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

*Consult the dealer or an experienced radio/TV technician for help.

For customers in Canada

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

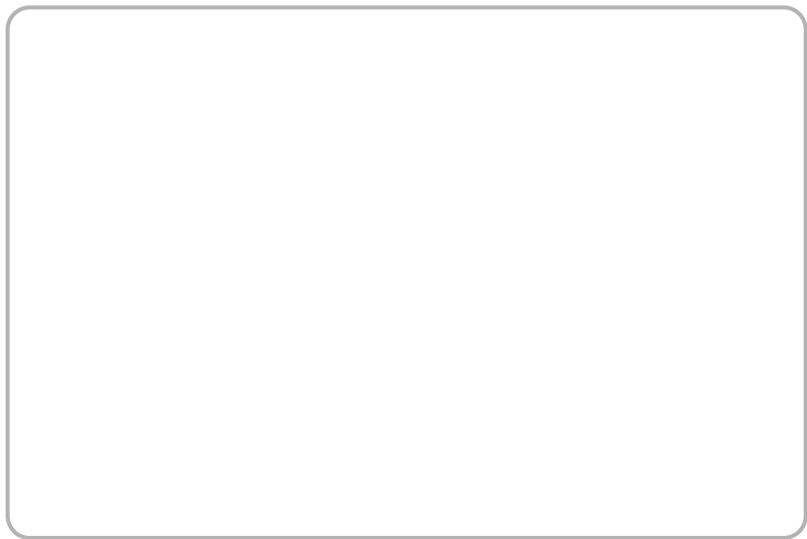
MEMO



MEMO



MEMO





Please refer to the warranty that came with your product or go to our website <http://www.samsungcamera.com/> for after-sales service or inquiries.



The CE Mark is a Directive conformity mark of the European Community (EC)

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