



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for PENTAX SMC PENTAX D FA 100MM F2.8 MACRO. You'll find the answers to all your questions on the PENTAX SMC PENTAX D FA 100MM F2.8 MACRO in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual PENTAX SMC PENTAX D FA 100MM F2.8 MACRO**

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**Operating instructions PENTAX SMC PENTAX D FA 100MM F2.8 MACRO**

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**Instruction manual PENTAX SMC PENTAX D FA 100MM F2.8 MACRO**

**PENTAX®**

**smc PENTAX-D FA  
INTERCHANGEABLE LENS  
OPERATING MANUAL**



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**Manual abstract:**

The smc PENTAX-D FA lens is an interchangeable lens for Pentax SLR cameras. Its image circle covers the 35mm film format, and it also obtains optimum image clarity with Pentax digital SLR cameras. When the lens is used with an -series digital SLR camera, the Quick-Shift Focus System enables manual touch-up focusing after autofocus is achieved. For details, see page 12. Before using the lens, read this manual carefully for proper use. Also refer to your camera's manual for more information. In this operating manual, "smc PENTAX-D FA lens" is shortened to "D FA lens." The items appearing in the illustrations may look different from the actual product. @@@@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. 2 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, wellventilated place.

@@@@@ (Leaving a saturated desiccant in the storage container can cause damage to the lens. Be sure to read the instructions that came 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. @@@@@6.

@@7. @@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. 4 ° FOREWORD CONTENTS ° FOR SAFE USE OF YOUR LENS ..... 1 ° PRECAUTIONS

AND LENS MAINTENANCE ..... 2 ° smc PENTAX-D FA LENS ..... 6 · About the Lens Mount ..... 7 · Camera / Lens Mount Compatibility

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Memo: · · 2. To remove the lens 10 FOCUSING 1 1 2 I. @@For details, refer to your camera's manual. @@Using Autofocus Set to autofocus with the camera's focus mode, and press the shutter button halfway or press the AF button of and MZ-S to autofocus. · Note that during the autofocus operation, the D FA lens' focusing ring does not rotate. However, do not turn the focusing ring during the autofocus operation. Doing so will cause a malfunction. 11 3 3. Using Manual Focus Set to MF with the camera's focus mode, and turn the focusing ring to focus manually. @@Just turn the focusing ring to manually touchup the focus.

@@@2. Adjust the focus by turning the focusing ring. 3. @@Do not turn the focusing ring during the autofocus operation. Doing so will cause a malfunction.

@@@A focusing correction will be necessary. @@@@It will expose infrared film in the camera. · Turn the focusing ring in the MANUAL focus mode only. @@@@Refer to the camera's manual for details. If the aperture ring is not set to A, the camera will not work.

MZ-60, MZ-30 MZ-50 16 MACRO LENS The D FA Macro 50mm f/2.8 and D FA Macro 100mm f/2.8 lenses enable closeup photography up to 1x magnification. Clamp Switch 17 Magnification Scale The magnification is indicated by denominators on the distance scale. "1" indicates "1x".

@@@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. · If you use the Clamp switch with any of the following cameras, be sure to first set the camera's focus mode switch to MF. Z-10, Z-20, Z-20P, Z-50 P, Z-70P, MZ-5, MZ-10, and MZ-50 LENS HOOD 19 Using a lens hood is recommended to block stray light from entering the lens. The stray light's internal reflections

degrade the image quality. Lens hood for D FA lens How to attach Put the hood on the lens, and turn it as shown by the arrow until it clicks in place. Memo: · When the lens hood is not in use, it can also be turned around and attached in the reversed position. 20 FILTERS The filter is mounted into the screw thread in front of 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. Avoid using more than one filter, unless it is a circular polarizing filter. Using two or more filters will degrade the image quality and the filter effect will not be obtained.

@@@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. @@\*Consult the dealer or an experienced radio/TV technician for help. @@@@ (Headquarters) 600 12th Street, Suite 300 Golden, Colorado 80401, U.S.

A. (Distribution & Service Center) 16163 West 45th Drive, Unit H Golden, Colorado 80403, U.S.A. (<http://www.pentaximaging.com>) PENTAX Canada Inc. 1770 Argentia Road, Mississauga, Ontario L5N 3S7 CANADA (<http://www.pentaxcanada.ca>) PENTAX Corporation PENTAX Europe GmbH (European Headquarters) PENTAX U.

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