

SONY

2-685-159-11(1)

Lens for Digital Single Lens Reflex Camera

Operating Instructions

20mm F2.8

~~28mm F2.8~~

SAL20F28/28F28

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2685159110

<http://www.sony.net/>

This manual is for use with several different lenses.
This lens is designed for Sony α cameras.

WARNING

To reduce fire or shock hazard, do not expose the unit to rain or moisture.
Do not directly look at the sun through this lens.
Doing so might harm your eyes or cause loss of eyesight.
Keep the lens out of reach of small children.
There is danger of accident or injury.



**Disposal of Old Electrical & Electronic Equipment
(Applicable in the European Union and other
European countries with separate collection
systems)**

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

For the customers in the U.S.A.

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
UNDESIRABLE OPERATION.

CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

NOTE:

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 the customers in Canada

This Class B digital apparatus complies with Canadian ICES-003.

- Do not keep the lens in a very humid place for a long period of time to prevent mold.
- Do not hold the camera by the lens part extended for focusing, etc.
- Do not touch the lens contacts. If dirt, etc., gets on the lens contacts, it may interfere or prevent the sending and receiving of signals between the lens and the camera, resulting in operational malfunction.

Precaution for flash use

With certain of lens/flash combinations, the lens may partially block the light of the flash, resulting in a shadow at the bottom of the picture. When using a built-in camera flash, make sure to remove the lens hood and shoot from at least 1 m (3.3 feet) away from your subject.

Vignetting

When you use lens, the corners of the screen become darker than the center. To reduce this phenomena (called vignetting), close the aperture by 1 to 2 stops.

Condensation

If your lens is brought directly from a cold place to a warm place, condensation may appear on the lens. To avoid this, place the lens in a plastic bag or something similar. When the air temperature inside the bag reaches the surrounding temperature, take the lens out.

Cleaning the lens

Notes on use

- Do not leave the lens in direct sunlight. If sunlight is focused onto a nearby object, it may cause a fire. If circumstances necessitate leaving the lens in direct sunlight, be sure to attach the lens cap.
- Be careful not to subject the lens to mechanical shock while attaching it.
- Always place the lens caps on the lens when storing.

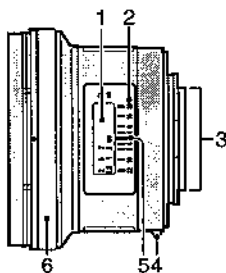
- Do not touch the surface of the lens directly.
- If the lens gets dirty, brush off dust with a lens blower and wipe with a soft, clean cloth (Cleaning Cloth KK-CA (optional) is recommended).
- Do not use any organic solvent, such as thinner or benzine, to clean the lens or the camera cone.

A Names of parts

- 1...Distance scale
- 2...Depth-of-field scale
- 3...Lens contacts
- 4...Mounting index
- 5...Distance index
- 6...Focusing ring
- 7...Lens hood*

* For 28mm F2.8 only

20mm F2.8:



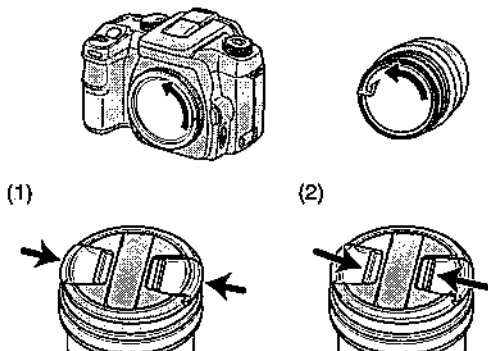
28mm F2.8:



B Attaching/detaching the lens

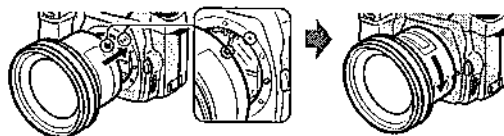
To attach the lens

- 1 Remove the rear and front lens caps and the camera body cap.
 - You can attach/detach the front lens cap in two ways, (1) and (2). When you attach/detach the lens cap with the lens hood attached, use method (2).



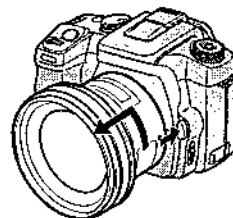
2 Align the orange index on the lens barrel with the orange index on the camera (mounting index), then insert the lens into the camera mount and rotate it clockwise until it locks.

- Do not press the lens release button on the camera when mounting the lens.
- Do not mount the lens at an angle.



To remove the lens

While pressing and holding the lens release button on the camera, rotate the lens counterclockwise until it stops, then detach the lens.



C Attaching the lens hood

It is recommended that you use a lens hood to reduce flare and ensure maximum image quality.

20mm F2.8:

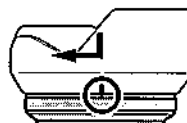
Align the red line on the lens hood with the red dot on the lens, and rotate the lens hood clockwise until it stops.

28mm F2.8:

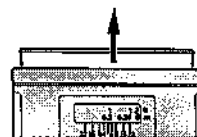
Focus on something at close range and extend the lens hood out from the lens.

- When using a built-in camera flash, make sure to remove the lens hood to avoid blockage of the flash light. For the lens with the built-in lens hood, retract the lens hood back into the lens.
- If a marking (red line, red dot, etc.) is provided, attach the lens hood properly. Otherwise, the lens hood may interfere with the desired effect or may appear in pictures.
- When storing, turn over the lens hood and place it onto the lens backwards. (20mm F2.8 only)

20mm F2.8:



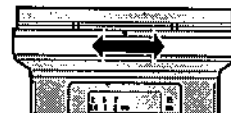
28mm F2.8:



D Focusing

When using the auto focus, the camera focuses the lens automatically.

When focusing manually, set your camera to the manual focus and rotate the focusing ring while looking through the viewfinder. The focus signal in the viewfinder indicates the current condition of the focus.



Depth-of-field scale

When focus is set on a subject, anything at that same distance will appear sharp, and anything within a certain range before and beyond the subject will also appear in focus; this is called depth of field. Depth of field depends on the subject distance and aperture you choose and is indicated by the lines on the depth-of-field scale corresponding to the aperture.

- The depth-of-field scale is for 35mm-format cameras. The depth-of-field is shallower when you use Digital Single Lens Reflex Cameras equipped with an APS-C sized image sensor.

Specifications

Name (Model name)	Equivalent 35mm-format focal length*1 (mm)	Lens groups- elements	Angle of view 1*2	Angle of view 2*2	Minimum focus*3 (m (feet))	Maximum magnification (x)	Minimum f-stop	Filter diameter (mm)	Dimensions (maximum diameter x height) (mm (in.))	Mass (g (oz.))
20mm F2.8 (SAL20F28)	30	9-10	94°	70°	0.25 (0.8)	0.13	f/22	72	Approx. 78x53.5 (3 1/16x2 1/8)	Approx. 285 (10 1/16)
28mm F2.8 (SAL28F28)	42	5-5	75°	54°	0.3 (1)	0.13	f/22	49	Approx. 65.5x42.5 (2 9/16x1 11/16)	Approx. 185 (6 1/2)

*1 The value for equivalent 35mm-format focal length is based on Digital Single Lens Reflex Cameras equipped with an APS-C sized image sensor.

*2 The value of angle of view 1 is based on 35mm-format cameras, and that of angle of view 2 is based on Digital Single Lens Reflex Cameras equipped with an APS-C sized image sensor.

*3 Minimum focus is the shortest distance from the image sensor to the subject.

- Depending on the lens mechanism, the focal length may change with any change of the shooting distance. The focal length assumes the lens is focused at infinity.

Included items: Lens (1), Front lens cap (1), Rear lens cap (1), Lens hood* (1), Set of printed documentation

* The lens hood of 28mm F2.8 is built-in, and no separate lens hood is supplied.

Designs and specifications are subject to change without notice.

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