

Nikon

NIKKOR

AF-S NIKKOR 50mm f/1.4G

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Notes on Safety Operations

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CAUTION

Do not disassemble

Touching the internal parts of the camera or lens could result in injury. Repairs should be performed only by qualified technicians. Should the camera or lens break open as the result of a fall or other accident, take the product to a Nikon-authorized service representative for inspection after unplugging the product and/or removing the battery.

Turn off immediately in the event of malfunction

Should you notice smoke or an unusual smell coming from the camera or lens, remove the battery immediately, taking care to avoid burns. Continued operation could result in injury.

After removing or disconnecting the power source, take the product to a Nikon-

authorized service representative for inspection.

Do not use the camera or lens in the presence of flammable gas

Operating electronic equipment in the presence of flammable gas could result in an explosion or fire.

Do not look at the sun through the lens or viewfinder

Viewing the sun or other strong light sources through the lens or viewfinder could cause permanent visual impairment.

Keep out of reach of children

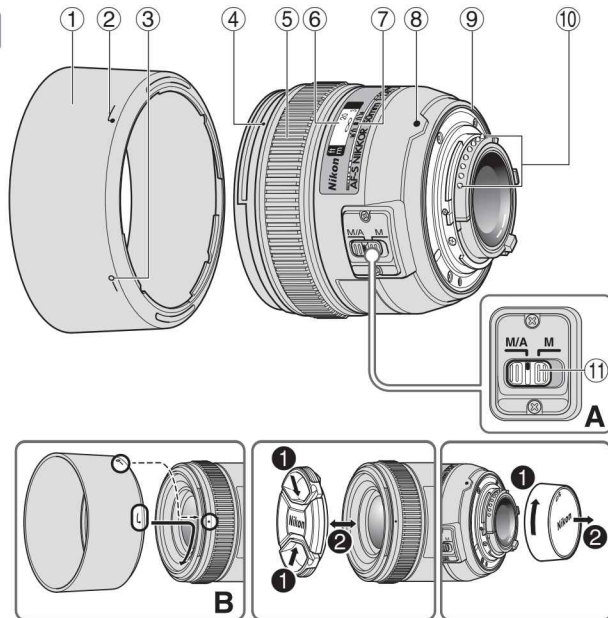
Particular care should be taken to prevent infants from putting the batteries or other small parts into their mouths.

Observe the following precautions when handling the camera and lens

- Keep the camera and lens unit dry. Failure to do so could result in fire or electric shock.
- Do not handle or touch the camera or lens unit with wet hands. Failure to do so could result in electric shock.
- When shooting with back-lighting, do not point the lens at the sun or allow sunlight to pass directly down the lens as this may cause the camera to overheat and possibly cause a fire.
- When the lens will not be used for an extended period of time, attach both front and rear lens caps and store the lens away from direct sunlight. Failure to do so could result in a fire, as the lens may focus sunlight onto a flammable object.

■ Nomenclature

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- ① Lens hood (p.16)
- ② Lens hood attachment index (p.16)
- ③ Lens hood setting index (p.16)
- ④ Lens hood mounting index (p.16)
- ⑤ Focus ring (p.14)
- ⑥ Distance scale (p.15)
- ⑦ Distance index line (p.15)
- ⑧ Mounting index
- ⑨ Lens mount rubber gasket (p.17)
- ⑩ CPU contacts (p.17)
- ⑪ Focus mode switch (p.14)

(): reference page

Thank you for purchasing the AF-S NIKKOR 50mm f/1.4G lens. Before using this lens, please read these instructions and refer to your camera's *User's Manual*.

■ Major features

- This lens employs a Silent Wave Motor to drive the focusing mechanism, making autofocus smooth, silent and almost instantaneous. The focus mode switch (11) is provided for simple selection of autofocus (A) or manual focus (M) operation.
- More accurate exposure control is possible when this is mounted on a Nikon camera with 3D color matrix metering capability, because subject distance information is transferred from the lens to the camera.
- The rounded aperture produces soft and pleasing blur characteristics in portions of pictures that are out-of-focus.

Important

- When mounted on Nikon DX format digital SLR cameras, such as the D300-Series and D7000, the lens' picture angle becomes 31°30' and its 35mm equivalent focal length is approx. 75 mm.

■ Usable cameras and available functions

There may be some restrictions or limitation for available functions. Refer to camera's User's Manual for details.

Cameras	Auto-focus	Exposure mode			
		P*1	S	A	M
Nikon digital SLR (Nikon FX/DX format) cameras	✓	✓	✓	✓	✓
F6, F5, F100, F80-Series/ N80-Series*, F75-Series/ N75-Series*, F65-Series/ N65-Series*, Pronea 600i/6i*, Pronea S*2	✓	✓	✓	✓	✓
F4-Series, F90X/N90s*, F90-Series/N90*, F70-Series/N70*	✓	✓	✓	—	—

Cameras	Auto-focus	Exposure mode			
		P*1	S	A	M
F60-Series/N60*, F55-Series/N55-Series*, F50-Series/N50*, F-401x/N5005*, F-401s/N4004s*, F-401/N4004*	—	✓	✓	✓	✓
F-801s/N8008s*, F-801/N8008*, F-601M/N6000*	—	✓	✓	—	—
F3AF, F-601/N6006*, F-501/N2020**, Nikon MF cameras (except F-601M/N6000*)	—	—	—	—	—

✓: Possible —: Impossible

*: Sold exclusively in the USA

** : Sold exclusively in the USA and Canada

*1: P includes AUTO and Vari-Program System.

*2: Manual (M) is not available.

■ Focusing (Fig. A)

Set your camera's focus mode selector according to the chart below:

Autofocus with manual override (M/A mode)

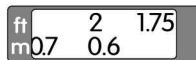
- 1 Set the lens focus mode switch (11) to **M/A**.
- 2 Autofocus is enabled, but autofocus operation can be overridden by rotating the separate focus ring (5) while pressing the shutter-release button halfway, or by pressing the AF-ON button on the camera body of cameras so equipped.
- 3 Press the shutter-release button halfway or the AF-ON button once again to cancel manual focus and resume autofocus.

Cameras	Camera focus mode	Lens' focus mode switch	
		M/A	M
Nikon digital SLR (Nikon FX/DX format) cameras, F6, F5, F4-Series, F100, F90X/N90s*, F90-Series/N90*, F80-Series/N80-Series*, F75-Series/N75-Series*, F70-Series/N70*, F65-Series/N65-Series*, Pronea 600i/6i*, Pronea S	AF	Autofocus with manual override	Manual focus (Electronic rangefinder can be used.)
	MF	Manual focus (Electronic rangefinder can be used.)	
F60-Series/N60*, F55-Series/N55-Series*, F50-Series/N50*, F-801s/N8008s*, F-801/N8008*, F-601M/N6000*, F-401x/N5005*, F-401s/N4004s*, F-401/N4004*	AF MF	Manual focus (Electronic rangefinder can be used, except with the F-601M/N6000.*)	

* Sold exclusively in the USA

■ Depth of field

- Approximate depth of field can be determined by checking the depth of field scale.
- If your camera has a depth-of field preview (stop-down) button or lever, depth of field can be previewed through the camera viewfinder.
- For more information, see p. 114.



Depth-of-field indicators

Distance index line

■ Setting the aperture

Use the camera to adjust the aperture setting.

■ The built-in flash and vignetting

- The built-in flash cannot be used over distances of less than 0.6 m (2.0 ft).
- To prevent vignetting, do not use the lens hood.
- * Vignetting is the darkening of the corners around the image that occurs when the light emitted by the flash is obstructed by the lens hood, or lens barrel, depending on the shooting distance.

■ Using the lens hood

Attaching the hood

Align the lens hood attachment index (—, either of two indexes) ② on the hood with the lens hood mounting index ④ on the lens, and turn the hood counterclockwise (as viewed when holding the camera with the lens facing away from you) until it clicks into place (Fig. B).

- Be sure that the lens hood mounting index is aligned with the lens hood setting index (—○) ③.

- If the lens hood is not correctly attached, vignetting may occur.
- To facilitate attachment or removal of the hood, hold it by the base (near the lens hood attachment index) rather than its outer edge.
- To store the lens hood, attach it in the reverse position.

Detaching the hood

Hold the lens hood by the base (near the lens hood attachment index) and turn clockwise, as viewed when holding the camera with the lens facing away from you, to detach.

■ Recommended focusing screens

Various interchangeable focusing screens are available for certain Nikon SLR cameras to suit any picture-taking situation. The ones recommended for use with this lens are:

Screen Camera	A	B	C	E	EC-B EC-E	G1	G2	G3	G4	J	L	M	U
F6	⊙	⊙	—	⊙	—	—	—	—	—	⊙	⊙		
F5+DP-30	⊙	⊙		⊙	⊙		⊙	○		⊙	⊙		
F5+DA-30	⊙	⊙		⊙	⊙		⊙	⊙		⊙	⊙		

⊙: Excellent focusing

○: Acceptable focusing

Slight vignetting or moiré patterns appear in the viewfinder, but not on the film.

—: Not available

Blank box means not applicable. Since type M screen can be used for both macro-photography at a magnification ratio of 1:1 or above and for photomicrography, it has different applications than other screens.

Important

- For F6 cameras, when using screens other than type B or E, “Other screen” must be selected in Custom Setting. Refer to camera’s User’s Manual for details.
- For F5 cameras, only EC-B, EC-E, B, E, J, A, L focusing screens are usable in Matrix Metering.
- When using the B and E focusing screens in cameras other than those listed above, refer to the columns for the B and E screens.

■ Lens care

- Be careful not to allow the CPU contacts ⑩ to become dirty or damaged.
- If the lens mount rubber gasket ⑨ is damaged, be sure to visit the nearest Nikon-authorized service representative for repair.
- Clean lens surfaces with a blower brush. To remove dirt and smudges, use a soft, clean cotton cloth or lens tissue moistened with ethanol (alcohol) or lens cleaner. Wipe in a circular motion from the center to outer edge, taking care not to leave traces or touch other parts of the lens.

- Never use organic solvent such as thinner or benzene to clean the lens.
- NC filters are available to protect the front lens element. The lens hood also helps to protect the front of the lens.
- When storing the lens in its flexible lens pouch, attach both the front and rear lens caps.
- When the lens is mounted on a camera, do not pick up or hold the camera and lens by the lens hood.
- When the lens will not be used for an extended period of time, store it in a cool, dry place to prevent mold and rust. Be sure to store the lens away from direct sunlight or chemicals such as camphor or naphthalene.
- Do not get water on the lens or drop it in water as this will cause it to rust and malfunction.
- Reinforced plastic is used for certain parts of the lens. To avoid damage, never leave the lens in an excessively hot place.

■ Standard accessories

- 58mm snap-on Front Lens Cap LC-58
- Rear Lens Cap
- Bayonet Hood HB-47
- Flexible Lens Pouch CL-1013

■ Optional accessory

- 58mm screw-on filters

■ Specifications

Type of lens:	G-type AF-S NIKKOR lens with built-in CPU and Nikon bayonet mount
Focal length:	50mm
Maximum aperture:	f/1.4
Lens construction:	8 elements in 7 groups
Picture angle:	46° with 35mm (135) format Nikon film SLR cameras and Nikon FX format digital SLR cameras 31°30' with Nikon DX format digital SLR cameras 38° with IX240 system cameras

Distance information:	Output to camera
Focusing:	Autofocus using a Silent Wave Motor; manually via separate focus ring
Shooting distance scale:	Graduated in meters and feet from 0.45 m (1.75 ft) to infinity (∞)
Closest focusing distance:	0.45 m (1.5 ft) from focal plane
No. of diaphragm blades:	9 pcs. (rounded)
Diaphragm:	Fully automatic
Aperture range:	f/1.4 to f/16
Exposure measurement:	Via full-aperture method
Attachment size:	58mm (P = 0.75 mm)
Dimensions:	Approx. 73.5 mm dia. x 54 mm (extension from the camera's lens-mount flange)

Weight: Approx. 280 g (9.9 oz)

Specifications and designs are subject to change without notice or obligation on the part of the manufacturer.

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