

AF DC-Nikkor

105mm

f/2 D

付属アクセサリ

72mm スプリング式前キャップ
裏ぶたLF-1

Accessoires standard

Bouchon avant à emboîtement 72mm
Bouchon arrière LF-1

Standard accessories

72mm snap-on front lens cap
Rear lens cap LF-1

Accesorios estándar

Tapa frontal a presión de 72mm
Tapa trasera del objetivo LF-1

Serienmäßiges Zubehör

Aufsteckbarer Frontdeckel 72mmø
Hinterer Objektivrückdeckel LF-1

Accessori standard

Tappo anteriore da 72mm dia.
Tappo posteriore LF-1

標準配件

72mm弾簧扣鏡頭前蓋
LF-1型鏡頭後蓋

标准配件

72mm彈簧扣鏡頭前蓋
LF-1型鏡頭後蓋

Nikon

使用説明書

Instruction Manual

Bedienungsanleitung

Manuel d'utilisation

Manual de instrucciones

Manuale di istruzioni

使用説明書

使用说明书



NOMENCLATURE

- | | |
|---|---|
| ① Meter coupling ridge | ⑭ Built-in lens hood |
| ② CPU contacts | ⑮ Aperture-direct-readout scale |
| ③ Aperture indexing post | ⑯ Minimum aperture lock lever |
| ④ EE servo coupling post | ⑰ Aperture scale |
| ⑤ Aperture ring | ⑱ A-M index |
| ⑥ Aperture index/Mounting index | ⑲ Distance scale window |
| ⑦ Depth-of-field indicators: Shows
Depth of field at f/16. | ⑳ Distance scale |
| ⑧ Infrared compensation index
(white dot) | ㉑ Focusing ring |
| ⑨ A-M ring lock button | ㉒ DC ring index |
| ⑩ A-M ring | ㉓ DC ring: Turn toward "R" side to
blur the background or toward
"F" side to blur foreground. |
| ⑪ Distance index | ㉔ Aperture scale for image blur
control |
| ⑫ Lens barrel | |
| ⑬ DC ring lock button: Push to turn
DC ring. | |

Thank you for purchasing the AF DC-Nikkor 105mm f/2 D lens.

Features of this lens are:

- Nikon's DC (Defocus image Control) enables you to defocus the background or foreground.
- Rounded diaphragm opening makes out-of-focus elements appear more natural.
- Thanks to Nikon's Rear Focusing (RF) system, the rear lens elements move inside the lens while focusing, so there is no increase in the overall length of the lens. This also provides quicker AF operation and improved durability.
- Built-in lens hood minimizes flare when shooting in bright sunlight.
- Distance information used for 3D Matrix Metering or the 3D Multi-Sensor Balanced Fill-Flash will be transmitted instantly from the lens to the camera body.

Before using your new lens, read this manual carefully so you get the maximum value from your lens now and for years to come.

Important!

- Be careful not to soil or damage the CPU contacts.
- Do not attach the following accessories directly to the lens; they could damage the lens CPU contacts:
Auto Extension Ring PK-1, Auto Extension Ring PK-11, K1 Ring, Auto Ring BR-4, Macro Adapter Ring BR-2 or K2 Ring.
(Use PK-11A instead of PK-11, BR-6 instead of BR-4, BR-2A instead of BR-2.)
- This lens cannot be used with AF finder DX-1 (for the Nikon F3AF).

CONTROLLING DEFOCUS IMAGE—MAKING IMAGE BLUR

While pushing the DC ring lock release button, rotate the DC ring toward the R (rear) side to blur the background, or toward the F (front) side to blur the foreground (see illust. A). To effectively blur background or foreground images, turn the DC ring so the f-number on the DC ring (aligned to the DC ring index) is same as the aperture in use. Turning the ring beyond the aperture in use lets you create a soft-focus effect.

- Defocus control should always be performed before focusing. If you rotate the DC ring after focusing, or during focus lock in autofocus photography, your subject will be out of focus.
- With the DC ring at either the F or R side, the distance scale may not show the correct distance.
- The effect of defocus image control depends on subject conditions such as subject-to-background distance, subject-to-foreground distance, etc.
- Image blur cannot be verified through the viewfinder. To obtain the desired effect, take a series of shots with the DC ring at various settings.

FOCUSING

This lens can be used for both autofocus and manual focus.

To select autofocus, while pressing the A-M ring lock release button, turn the A-M ring so that "A" aligns with the A-M index. Also, set the camera's focus mode selector to autofocus position.

To select manual, turn the A-M ring so "M" aligns with the A-M index. Also, set the camera's focus mode selector for manual focus.

- With a Nikon autofocus camera, improperly setting the camera's focus mode selector and lens' A-M ring may damage the camera body.

RECOMMENDED FOCUSING SCREEN

Various interchangeable focusing screens are available for Nikon cameras to suit any type of lens or picture-taking situation. Those which are recommended for use with your lens are listed below.

Screen Camera	EC-B/ EC-E	A/L	B	C	D	E	G1	G2	G3	G4	H1	H2	H3	H4	J	K	P	M	R	T	U
F5 with DP-30	⊙	⊙	⊙			⊙			○ (+0.5)						⊙						
F5 with DA-30	⊙	⊙ (+0.5)	⊙			⊙			○ (+1.0)						⊙ (+0.5)						
F4 with DP-20			⊙			⊙			○						⊙	⊙	⊙				
F4 with DA-20			⊙			⊙			○						⊙	⊙	⊙				
F3		⊙	⊙			⊙		⊙				○			⊙	⊙	⊙		△	⊙	○

⊙= Excellent focusing

○= Acceptable focusing

Slight vignetting or moiré phenomenon affects screen image, but film image shows no traces of this.

△= Acceptable focusing

The in-focus image in the central circular area may prove to be slightly out of focus on the film. Focus on the surrounding matte area.

() = Indicates degree of exposure compensation needed for F5-series cameras (Center-Weighted metering only). For F5 camera, compensate using the Custom Setting #18 on the camera body. See instruction manual of the camera body for more details.

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

For the K2, B2 and E2 focusing screens, refer to the columns on the K, B and E screens, respectively. For details, also refer to the specific camera's instruction manual.

MINIMUM APERTURE LOCK

For Programmed auto or Shutter-priority auto exposure shooting, use the minimum aperture lock lever to lock the lens aperture at f/16.

1. Turn the aperture ring so that f/16 on the aperture scale is aligned with the white aperture index dot.

2. Slide the lock lever in the direction of the aperture ring so the white dot on the lever aligns with the orange dot (Illust. B).

To release the lock, slide the lever in reverse direction.

USING BUILT-IN LENS HOOD

Pull out the hood and turn it counterclockwise for two rotations (see Illust. C). To store, turn the hood clockwise and push back.

LENS CARE

- Clean lens surface 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 center to outer edge, taking care not to leave traces and not to touch the other lens parts.
- Never use thinner or benzine to clean the lens.
- To protect the lens surface from dirt or damage, use of an NC filter is recommended at all times. The lens hood also helps protect the lens.
- Cover lens with lens cap when lens is not in use.
- Attach both front and rear caps when the lens is stored separately.
- If you will not use the lens for a long time, protect it from rust and mold by storing it in a cool, dry place. Also, do not store in direct sunlight, and keep it away from naphthalene or camphor.
- Be careful not to get the lens wet or drop it in water. Water on the lens may cause malfunction.
- Reinforced plastic is used on the exterior of the lens unit; to avoid damage, take extra care to never leave the lens in an excessively hot place.

SPECIFICATIONS

Focal length:	105mm
Maximum aperture:	f/2
Lens construction:	6 elements in 6 groups (plus built-in rear glass plate for dust protection)
Picture angle:	23°20'
Distance scale:	Graduated in meters and feet from 0.9m (3 ft.) to infinity (∞)
Distance information:	Output into camera body
Aperture scale:	f/2 to f/16 on both standard and aperture-direct-readout scales
Minimum aperture lock:	Provided
Diaphragm:	Fully automatic
Focusing:	Nikon Rear Focusing (RF) system
Exposure measurement:	Via full-aperture method for AI cameras or cameras with CPU interface system; via stop-down method for other cameras
Mount:	Nikon bayonet mount
Attachment size:	72mm (P = 0.75mm)
Dimensions:	Approx. 79mm dia. x 111mm extension from the camera's lens mounting flange; overall length is approx. 119mm
Weight:	Approx. 620g

OPTIONAL ACCESSORIES

- 72mm screw-in filters
- Hard lens case CL-38
- Flexible lens pouch CL-S3~S4