

## Adapter with aperture ring (NFG-□□ and PDA-□□)

This product is an adapter that is compatible with lenses without an aperture operation ring.

As for the aperture ring marks of the adapter, the position of a circle mark (○) is the aperture open position.

The number indicates the number of aperture steps from the open value. Because one click may not exactly correspond to one aperture step, use it as a rough indication. (When using an open F1.4 lens, the ○ mark indicates F1.4, mark 1 indicates F2, and mark 2 indicates F2.8.)

\* The number of aperture steps depends on the lens. Even if the aperture ring is moved further with the aperture mark at the 5th or 6th step, the aperture blades may not move.

(Some lenses have the minimum aperture at the 5th or 6th step of the aperture ring mark.)

\* When using an adapter with an aperture ring and a lens with an aperture ring, the aperture operation becomes possible on the lens side by setting the aperture ring of the adapter to the minimum aperture (7 of the aperture ring of the adapter). Since there are two aperture rings, familiarization is required to use them.

## About the SC-□□.0

\* Nikon S and Contax C cameras are cameras that comply with a standard for the mount part with inner claws and outer claws. This adapter is the type for external claw lenses only. (It is not compatible with inner claw lenses.)

\* Depending on the combination of body and lens, it may not be possible to attach them using this adapter. When attaching a lens, be very careful, and do not apply excessive force.

• A lens with a large protruding rear lens section interferes with the wall inside the camera mount and cannot be attached.

(Example) Biogon 21 mm/F4.5, Biogon 35 mm/F2.8, Jupiter-12 35 mm/F2.8, etc.

• Since the Nikko R 25 mm/F4 is a lens that adjusts the focus on the body side, the focus cannot be adjusted on the lens side.

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# Instruction Manual for Mirrorless Camera Mount Adapter

Thank you very much for purchasing the Rayqual brand mount adapter.

This mount adapter is an adapter for attaching lenses with different mounts to a mirrorless camera. Check for compatible lenses and compatible bodies with the product name of the adapter.

In the case of a body equipped with an APS-C size sensor, the focal length of the lens is converted to about 1.5 times due to the sensor size. (For example, when a lens with a focal length of 50 mm is used, the angle of view is equivalent to that of a lens with a focal length of about 75 mm.)

## Preparation before Use

• Check the “Release Without Lens” setting on the camera body.

When the camera has the “Release Without Lens” setting, set “Release Without Lens” to “ON.” (Refer to the instruction manual of the camera for the setting method.)

If this setting is not set to “ON,” the shutter cannot be released when using this adapter.

\* When the camera does not have the “Release Without Lens” setting, the above setting is not required.

## Precautions

- Assuming that the lens may fall off, avoid using this product in places where there is a possibility of people underneath, such as high places.
- Although this product has a robust design, a precision mechanism is incorporated into a limited space. Therefore, be careful when using it, such as when attaching or removing it.
- When using this product with a heavy lens, such as a telephoto lens, it is necessary to be careful not to apply excessive force to the body. In particular, the body of a mirror-less digital camera is not supposed to be equipped with a large lens. Therefore, if a large force is applied to the mount, the camera, lens and/or adapter may be damaged.  
Be careful when using this product with a heavy lens.
- When handling this product, be careful not to hurt your hands with sharp corners, such as lock claws or mount, especially when attaching or detaching it.
- Be careful, because if you operate the focus ring or aperture ring while pushing the lens lock button, the lens may rotate unintentionally, and it may disengage from the adapter.
- The adapter does not guarantee attachment of all compatible lenses; do not forcibly attach a lens.
- We bear no responsibility for any damage or failure of the camera, lens, and/or adapter when a lens with interference is attached. Do not forcibly attach a lens.
- Carefully read the instruction manual for your camera and lens as well.
- When the lens cannot be removed, do not forcibly remove it; contact the dealer or our company.

Please note that the specifications, appearance, and shape of the product are subject to change without notice for improvement.

## How to Attach the Adapter and Lens

Attachment and removal can be performed from either the lens side or the body side. The lens can be changed with the adapter attached to the body.

NF-□□, OM-□□, LR-□□, CY-□□, PK-□□, EXA/TOP-□□, MD-□□, KAR-□□, SC-□□.O, NFG-□□, PDA-□□ and HS-□□

Align the mark of the adapter with the mark of the lens and rotate them until they lock while lightly pressing them against the body.

- \* The aperture operation ring of the NFG-□□ and PDA-□□ can be in any position when the adapter and lens are attached.
- \* SC-□□.O is for outer claw lenses only, please read “About SC-□□.O” on page 3 as well.

### LM-□□

Using the L-M ring (sold separately), Leica screw mount lenses can also be used. Align the red circle mark (●) on the adapter lock button with the mark of the lens and rotate the lens until it locks while lightly pressing it against the body.

- \* A lens with a large protrusion of the rear lens may not be used. Super-Angulon lenses cannot be used. Use a retractable lens without retracting it.

### L39-□□ and M42-□□

There is no mounting mark. Rotate the adapter and lens until the rotation stops. As the mark of the lens may not face upward precisely (due to individual lens differences), do not overtighten the adapter and lens in order to make the mark face precisely upward. For the L39-□□, Super-Angulon lenses cannot be used. Use a retractable lens without retracting it.

For the M42-□□, a lens with an aperture interlocking pin is attached with the pin pushed in.

### FD-□□

This adapter can be used for both FD lenses and New FD lenses.

To use an FD lens, lock the aperture lever on the back of the lens before attaching it. With the lens mark facing up, push up on the lever on the lower right side of the mount on the mounting surface of the camera counterclockwise until it clicks and locks. In this state, align the triangle mark (▲) of the adapter with the mark of the lens to attach them and tighten the tightening ring.

When attaching a New FD lens, first align the position of the triangle mark (△) of the adapter with the red mark of the lens, then lightly press the lens and move it to the triangle position (▲) according to the arrow. At this position, the lens is retracted into the mount. Check that the lens is in close contact with the mounting surface and then rotate the lens in the opposite direction until it locks.

## How to Remove the Adapter and Lens

NF-□□, LM-□□, LR-□□, PK-□□, NFG-□□ and PDA-□□

While pushing the lock button on the outer circumference of the adapter in the opposite direction to the lens, rotate the adapter and lens in the opposite direction of the attachment. (For the LM-□□, it is easier to remove the lens with the adapter attached to the body.)

CY-□□, EXA/TOP-□□, MD-□□, KAR-□□ and HS-□□

While pushing the lock button on the outer circumference of the adapter toward the center of the adapter, rotate the adapter and lens in the opposite direction of the attachment.

L39-□□ and M42-□□

Rotate the adapter and lens in the opposite direction of the attachment.

FD-□□, OM-□□ and SC-□□.O

While pushing the lock button on the lens body, rotate the adapter and lens in the opposite direction of the attachment.  
(For an FD lens, loosen the tightening ring and then remove the adapter and lens.)

## How to Attach / Remove the Adapter and Camera Body

Align the mark of the adapter with the mark of the camera body and rotate the adapter until it locks while lightly pressing it against the body. To remove the adapter, while pushing the lens attachment / removal button on the camera body, rotate the adapter in the opposite direction of the attachment.

## Shooting

- Use the A mode (aperture priority) or M mode (manual) for the mode setting of the camera body.
- Perform focusing manually. (Automatic focusing does not work.)
- After setting to the desired aperture value, press the shutter. (In the case of the M mode, set the shutter speed as well.) The exposure metering will be stopped-down aperture metering (photometry in the stopped state) and the information on the aperture value will not be displayed on the body.

\* When using the shake prevention function of the camera body, it is necessary to set the focal length of the lens in the camera. Be sure to set it when changing the lens. (Refer to the instruction manual of the camera for the setting method.)

\* Depending on the lens, the tendency of the exposure may differ due to differences in the modes, such as spot metering and partial metering.