TAMRON | Model: A034 Owner's manual

70-210mm F/4 Di VC USD
(for Nikon, Canon)

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* Das Zeichen entspricht der EC Norm.
* La marque est un marquage de conformité à la directive CEE (CE).
* La marca es marca de conformidad según directiva de la Comunidad Europea (CE).
* Il marchio attesta la conformità alla directtiva della Comunità Europea (CEE).
* 标志表示符合欧州共同体(EC)指标

Thank you for purchasing the Tamron lens as the latest addition to your photographic equipment.

Before using your new lens, please read the contents of this Owner’s Manual thoroughly to familiarize yourself with your lens and the proper techniques for creating the highest quality images possible. With proper handling and care, your Tamron lens will give you many years of photographing beautiful and exciting pictures.

* Explains precautions that help to prevent problems.
* Explains things you should know in addition to basic operations.

**PART NAMES (Refer to Fig. 1)**

1. Lens hood
2. Hood attaching alignment mark
3. Hood locking mark
4. Hood release mark
5. Focal length scale
6. Focus ring
7. Distance mark
8. VC (Vibration Compensation) switch
9. Lens attachment mark

**Tripod mount (Model A034TM / sold separately)**

10. Tripod mount
11. Screw hole for safety lock screw
12. Hexagonal wrench
13. Tripod mount locking screw
14. Safety lock screw (+2)

**MAIN SPECIFICATIONS**

Model: A034
- Focal Length: 70-170 mm
- Maximum Aperture: f/4
- Angle of View: 34°21' - 11°46'
- Lens Construction: 14 elements in 10 groups
- Minimum Focus Distance: 0.95 m (37.4")
- Maximum Magnification Ratio: 1:3.1
- Filter Size: ø 67 mm
- Length: 174 mm (6.9"
- Diameter: ø 76 mm
- Weight: 850 g (30.0 oz)
- Length: From lens front to mount surface.

* Values are specifications of Nikon products.

**ATTACHING AND REMOVING THE LENS**

Remove the rear cap of the lens. Align the lens attachment mark and mounting mark on the camera and then insert the lens until it clicks. Turn the lens counterclockwise for Nikon models or clockwise for Canon models until it locks. To remove the lens, turn the camera and the lens in the opposite direction while pressing the lens release button on the camera.

* Turn off the power of the camera before attaching or removing the lens.
* In the case of Canon cameras, align with the EF lens mark (red circle).

For details, please read the instruction manual of your camera.

**SWITCHING FOCUS MODE (Ref. Figs. 1-3)**

To shoot using autofocus (AF), set the AF/MF switch to “AF”. (Ref. Fig. 3)

To shoot using manual focus (MF), set the AF/MF switch to “MF”, and then use your hand to turn the focus ring and focus the image. (Ref. Figs. 2, 3)

The distance scale is provided as a guideline. It may differ from the actual focus distance.

In AF mode, it may be difficult for autofocus to work depending on the subject.

Through the full-time manual mechanism, when focusing with AF, it is possible to switch to MF by turning the focus ring while the AF/MF switch is set to AF. If the lens is set to MF, you can resume focusing by releasing your finger from the shutter button and then pressing the shutter button halfway.

To ensure focus under various conditions, the focus ring rotates past the infinity (↔) position. Accordingly, always check focus in the viewfinder when shooting with manual focus, even when the focus is aligned with infinity.

For details, please read the instruction manual of your camera.

**VC MECHANISM (Ref. Figs. 1, 5)**

The VC (Vibration Compensation) mechanism reduces image blur caused by hand-held shooting.

**How to use VC (Ref. Fig. 5)**

When you use VC, set the VC switch to ON. Press the shutter button halfway and confirm that the viewfinder image is stable before taking a picture.

* **VC is effective under the following conditions**
  - Dolly tilt locations
  - Locations where flash photography is prohibited
  - Locations where you have unstable standing position.

* **VC may not perform sufficiently under the following conditions**
  - When a photograph is taken from a vehicle that is shaking greatly
  - Shooting during excessive movement of the camera
  - When shooting while using a tripod
  - Set the VC switch to OFF when taking pictures with bulb photography (long exposures).
  - Otherwise, VC may cause a malfunction.

The viewfinder image may become blurred immediately after the shutter button is pressed halfway. This is due to the principles of VC and not a malfunction.

When the VC switch is set to ON, the total number of recordable images will reduce due to power being consumed from the camera.

**ZOOMING (Ref. Figs. 1, 2)**

While looking through the camera’s viewfinder, rotate the zooming ring of the lens to set the focal length suitable for the image, and then shoot.

**LENSES HOOD (Ref. Figs. 1, 7)**

A bayonet-type lens hood is provided as standard equipment.

We recommend shooting with the hood properly attached because the lens hood eliminates stray light that may affect the picture.

**Using the lens hood (Ref. Figs. 6, 7)**

Align the hood attaching alignment mark of the hood with the hood release mark of the lens.

**Stowing the lens hood (Ref. Fig. 8)**

You can stow the lens hood by attaching it in reverse. Align the hood locking mark of the hood with the hood release mark of the lens.

**TRIPOD MOUNT (Sold separately) (Ref. Figs. 1, 9, 10, 12)**

You can secure the lens to the tripod using the tripod mount for A034 model (Model A034TM sold separately).

**ATTACHING and REMOVING the tripod mount (Ref. Figs. 8, 12)**

You can attach and remove the tripod mount by loosening tripod mounting screw and then lift the portion with the screw, to open the ring.

When attaching the tripod mount, make sure that the protruding part on the inner side of the tripod mount is inserted into the groove on the lens barrel, and then tightly secure the tripod mounting screw.

If this protruding part is not inserted into the groove when the tripod mount is attached, the lens barrel may be damaged and the lens may fall off.

**Changing the directional position of the camera (Ref. Fig. 9)**

When you change the directional position of the camera, you can rotate the lens by loosening the tripod mounting screw (≈)

Align the tripod mount mark on the lens with the mark on the tripod mount.

After determining the shooting position, tightly secure the tripod mounting locking screw to fix the position.

**SAFETY LOCK SCREW (Accessory for the tripod mount) (Ref. Figs. 1, 11)**

We recommend attaching the lock screws in accordance with the camera platform type when you use an ARCA-SWISS-standard compatible camera platform or clamp.

**How to use safety lock screws (Ref. Fig. 11)**

The safety lock screws prevent the lens/camera from falling from the camera platform when a tripod mount is attached to an ARCA-SWISS-standard compatible camera platform or clamp.

As shown on the figure, use the hexagonal wrench to tighten the safety lock screws to the two screw holes.

**PRECAUTIONS WHEN SHOOTING**

- An internal focusing (IF) system is employed to reduce the minimum focus distance. Because of this, the angle of view is wider than that of lenses using other focusing systems when shooting at a distance less than infinity.

- Always remove the hood when you use the built-in flash on the camera for flash photography. Otherwise, the hood or lens may darken the perimeter of the image. With close-up photography, the lens itself blocks the flash, and dark semicircle may appear at the bottom of the screen, even when the lens hood is not used. For flash photography, we recommend that you use an external flash unit recommended by the camera manufacturer.

- Differences in the display systems of cameras may result in the display of values different from the maximum and minimum aperture values in the specifications. This is not an indication of an error.

- Use with mirrorless interchangeable-lens cameras is not guaranteed.

**TO ENSURE LONG-TERM SATISFACTION**

- Remove dust and soiling on the lens by using a blower or soft brush. Do not touch the lens with your fingers.

- To clean the lens surface, lightly wipe it starting from the center with a commercially available lens cleaning paper, a clean cotton cloth or a microfiber cloth (cleaning cloth for glasses, etc.) soaked in lens cleaner. Do not use a silicone cloth.

- Clean the lens barrel using a silicone cloth. Never use benzene, thinner, or other organic solvents.

- The front element has been coated to prevent water and oily substances from adhering. Since it will repel water, do not use lens cleaners or other substances but only a dry cloth to clean the front element.

- Midew is a major problem for lenses. Store your lens in a clean, cool, and dry place. When you store the lens in a lens case, store it with a commercially available drying agent and replace the drying agent occasionally.

- Do not touch the lens-camera interface contacts. If dust or stains cause contact problems, signals are not transmitted properly between the lens and camera, and malfunctions may occur.

- If the temperature changes suddenly, moisture may form within the camera and lens and cause damage. To prevent this, seal your equipment in a plastic bag or similar container. After your equipment has adjusted to the ambient temperature, remove it from the bag and use it as usual.
Disposal of Electrical and Electronic Equipment in Private Households.
Disposal of used Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

This symbol indicates that this product shall not be treated as household waste. Instead it shall be collected separately for the recycling of electrical and electronic equipment.

If the new products are purchased, this product might be handed over to the distributor or the collection system of waste electrical and electronic equipment eventually.

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 or components of this product.

If this product is disposed illegally, it might cause a possibility of penalties. 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.
Precautions for Safe Use of Tamron Lenses

For safe operation be sure to carefully read the "Precautions for Safe Use of Tamron Lenses" and the manual before using the product. After reading them, store them in a place where they can easily be reviewed whenever needed. Caution instructions are divided into the following two categories according to the degree of danger involved.

**WARNING**

- Do not view the sun or other strong light source directly through the lens or through a camera while using this lens. Doing so could cause loss of vision, damage to the lens and/or the camera, and possibly cause the lens and/or camera to ignite.
- Do not disassemble, repair, or modify the lens. This could damage the lens or camera.
- Keep the lens out of the reach of small children. There is a risk of injury if the lens is dropped or falls down.

**CAUTION**

- Do not place lens in direct sunlight or leave it in an extremely hot place such inside a car. Doing such could damage the internal parts of the lens or cause a fire.
- Always attach the lens cap whenever the lens is not in use.
- When attaching the lens to the camera, ensure that the lens has been properly attached to the camera and firmly locked. If the lens is not attached properly, it could be difficult to remove or it could fall off causing damage or injury.
- Do not use this lens for any application other than photography.
- Do not transport the lens while it is still attached to a tripod.