

Tamron AFA067S700

Tamron 50-400mm f/4.5-6.3 Di III VC VXD Lens for Sony FE Mount Cameras - Instruction Manual

Model: AFA067S700

INTRODUCTION

The Tamron 50-400mm F/4.5-6.3 Di III VC VXD (Model A067) is an ultra-telephoto zoom lens designed for Sony E-mount full-frame mirrorless cameras. This lens offers an expansive 8x zoom ratio, covering focal lengths from a standard 50mm to an ultra-telephoto 400mm, providing exceptional versatility for various photographic situations. Its compact and lightweight design makes it convenient for travel and extended shooting sessions.

Key features include:

- **Expansive 8x Zoom Ratio:** Covers 50mm to 400mm, suitable for a wide range of subjects from landscapes to distant wildlife.
- **High Image Quality:** Features 24 elements in 18 groups, including XLD, LD, GM, and Hybrid Aspherical lens elements, along with Broad-Band Anti-Reflection Generation 2 coating for aberration control and reduced flare.
- **VXD Linear Motor Focus Mechanism:** Provides high-speed and high-precision autofocus, enabling sharp capture of moving subjects with quiet operation.
- **VC Image Stabilization:** Tamron's proprietary Vibration Compensation mechanism reduces camera shake for sharper images, even in challenging conditions.
- **Compact and Lightweight Design:** Similar in size to conventional 100-400mm lenses, enhancing portability.
- **Half-Macro Photography:** Offers excellent close-up shooting capabilities with a Minimum Object Distance (MOD) of 9.8 inches at 50mm, achieving a maximum magnification ratio of 1:2.
- **Customizable Functions:** Firmware updates and certain functions can be customized via the Connector Port using the dedicated TAMRON Lens Utility.

SETUP

Attaching the Lens

1. Ensure both the camera and lens are powered off.

2. Align the mounting index marks on the lens barrel with those on the camera body.
3. Rotate the lens clockwise until it clicks into place, indicating it is securely mounted.
4. To detach, press the lens release button on the camera body and rotate the lens counter-clockwise.

Attaching the Lens Hood

The lens comes with a dedicated lens hood (HA067) to reduce flare and protect the front element. Align the hood's mounting mark with the mark on the front of the lens and rotate until it locks securely.



Image: The Tamron 50-400mm lens shown with its lens hood attached, ready for use.

OPERATING THE LENS

Zooming

Rotate the zoom ring to adjust the focal length between 50mm and 400mm. The lens features a zoom lock switch to prevent unintended zoom creep during transport.



Image: A close-up of the Tamron 50-400mm lens, highlighting the zoom ring with focal length markings and the 'LOCK' switch.

Focusing (Autofocus and Manual Focus)

The lens supports both autofocus (AF) and manual focus (MF). Use the AF/MF switch on the lens barrel to select your desired mode. In MF mode, rotate the focus ring to achieve sharp focus.



Image: The Tamron 50-400mm lens, showing the AF/MF switch and custom function buttons on the side of the barrel.

Vibration Compensation (VC)

The built-in VC image stabilization helps reduce blur caused by camera shake. Use the VC MODE switch to select the appropriate mode for your shooting situation (e.g., Mode 1 for general shooting, Mode 2 for panning). The VC can also be turned OFF.



Image: A detailed view of the Tamron 50-400mm lens, highlighting the VC MODE switch and custom function switches.

Custom Switches and Tamron Lens Utility

The lens features custom switches that can be programmed using the Tamron Lens Utility software. This utility allows you to customize functions such as Focus Limiter, AF/MF switching, Focus Preset, and more. Connect the lens to a computer via its USB-C port to access these customization options and update firmware.

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Video: An official Tamron video introducing the 50-400mm lens, showcasing its features and capabilities, including the custom switches and the Tamron Lens Utility for customization.

MAINTENANCE

Cleaning the Lens

- Use a blower brush to remove dust and loose particles from the lens surfaces.
- For smudges or fingerprints, use a clean microfiber cloth specifically designed for optics, along with a small amount of lens cleaning solution.
- Wipe gently in a circular motion from the center outwards.
- Avoid touching the lens elements directly with your fingers.

Storage

- Always attach the front and rear lens caps when not in use.
- Store the lens in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for extended periods, consider using a dehumidifying cabinet or silica gel packets to prevent mold growth.

TROUBLESHOOTING

Autofocus Issues

- Ensure the AF/MF switch on the lens is set to AF.
- Check if the camera's autofocus mode is compatible with the lens (e.g., continuous AF for moving subjects).
- Clean the lens and camera contacts to ensure proper communication.
- In very low light or with low-contrast subjects, autofocus may struggle. Try switching to manual focus or using an AF assist light if available.

Blurred Images

- Verify that the VC (Vibration Compensation) is enabled if shooting handheld, especially at longer focal lengths.
- Check your shutter speed. For telephoto lenses, a faster shutter speed is often required to prevent motion blur.
- Ensure the lens is properly focused on your subject.
- If using a tripod, consider turning off VC for optimal sharpness.

Lens Not Recognized by Camera

- Ensure the lens is securely mounted to the camera body.
- Clean the electronic contacts on both the lens and camera with a dry, lint-free cloth.
- Restart the camera.
- Check Tamron's website for any available firmware updates for your lens, which can resolve compatibility issues.

SPECIFICATIONS

Feature	Detail
Brand	Tamron
Model Number	AFA067S700
Focal Length	50-400mm
Maximum Aperture	f/4.5-6.3
Lens Type	Ultra Telephoto Zoom
Compatible Mountings	Sony E
Product Dimensions	7.2 x 3.5 x 3.5 inches
Item Weight	2.54 pounds (40.7 oz)
ASIN	B0BBWMH659
Date First Available	September 23, 2022

WARRANTY AND SUPPORT

Tamron lenses typically come with a manufacturer's warranty. Please refer to the warranty card included with your product or visit the official Tamron website for detailed warranty terms and conditions specific to your region. For technical support, service, or to download the latest Tamron Lens Utility software and firmware updates, please visit the Tamron support page.

The Tamron Lens Utility allows for customization of lens functions and firmware updates, ensuring your lens performs optimally with the latest camera technologies.