

## Tamron AFA058S700

# Tamron 35-150mm F/2-2.8 Di III VXD Lens Instruction Manual

For Sony E-Mount Full-Frame and APS-C Cameras

## 1. INTRODUCTION

The Tamron 35-150mm F/2-2.8 Di III VXD is a versatile zoom lens designed for Sony E-Mount full-frame mirrorless cameras. It offers a unique focal length range from 35mm wide-angle to 150mm telephoto, with a fast, variable maximum aperture of F2 at the wide end and F2.8 at the telephoto end. This lens is engineered to provide outstanding optical performance across its entire zoom range, making it suitable for various photographic applications including travel, portraiture, and event photography. Its advanced VXD linear autofocus motor ensures high-speed, high-precision, and quiet autofocus operation, enhancing both still photography and video recording capabilities. The lens also features a fluorine-coated front element for easy maintenance and a USB-C port for firmware updates and custom function settings via the Tamron Lens Utility software.

## 2. PRODUCT FEATURES

- **World's First F2-2.8 Fast Aperture Zoom Lens:** Offers exceptional low-light performance and creative depth-of-field control.
- **Outstanding Optical Performance:** Delivers high image quality throughout the entire zoom range.
- **Fast, Quiet VXD Linear Motor:** Provides high-speed and high-precision autofocus, ideal for both stills and video.
- **Superior Close-Focusing Capability:** Achieves a Minimum Object Distance (MOD) of 13 inches (0.33m) at the wide end.
- **Fluorine Coated Front Element:** Repels dust, dirt, and moisture, making cleaning easier.
- **Moisture-Resistant Construction:** Enhances durability and reliability in various shooting conditions.
- **Tamron Lens Utility Compatibility:** Allows for customization of lens functions and firmware updates via a USB-C port.

### 3. WHAT'S IN THE BOX

- Tamron 35-150mm F/2-2.8 Di III VXD Lens
- Lens Hood
- Front Lens Cap
- Rear Lens Cap

### 4. SETUP

#### 4.1 Attaching the Lens

Align the mounting index mark on the lens barrel with the corresponding mark on your Sony E-Mount camera body. Rotate the lens clockwise until it clicks securely into place. Ensure the lens is firmly attached before use.



Figure 4.1: Tamron 35-150mm F/2-2.8 Di III VXD Lens attached to a Sony E-Mount camera.

#### 4.2 Attaching the Lens Hood

Align the lens hood with the front of the lens, matching the alignment marks. Rotate the hood until it locks into position. The lens hood helps to prevent stray light from entering the lens, reducing flare and ghosting.

## 4.3 Basic Controls Overview

Familiarize yourself with the lens controls:

- **AF/MF Switch:** Toggles between autofocus and manual focus modes.
- **Zoom Ring:** Rotates to adjust the focal length from 35mm to 150mm.
- **Focus Ring:** Used for manual focusing.
- **Custom Buttons:** Programmable buttons for various functions (refer to Tamron Lens Utility).
- **Lock Switch:** Locks the zoom ring at 35mm to prevent zoom creep during transport.



Figure 4.2: Side view of the lens with control switches and rings.

## 5. OPERATING THE LENS

### 5.1 Autofocus and Manual Focus

Use the AF/MF switch on the lens barrel to select your desired focus mode. In AF mode, the lens utilizes its VXD linear motor for fast and precise focusing. In MF mode, rotate the focus ring to manually adjust focus. The VXD motor is designed for quiet operation, which is beneficial for video recording.

### 5.2 Zoom Operation

Rotate the zoom ring to change the focal length. The lens offers a versatile range from 35mm to 150mm, allowing for a wide variety of compositions without changing lenses. The zoom mechanism is designed for smooth transitions.

### 5.3 Aperture Control

The lens features a variable maximum aperture of F2 at 35mm, gradually changing to F2.8 at 150mm. This fast aperture range is excellent for shooting in low-light conditions and for creating images with shallow depth of field and pleasing background blur (bokeh).

### 5.4 Custom Functions

The lens includes custom buttons that can be programmed using the Tamron Lens Utility software. This allows users to assign various functions, such as A-B rack focus, focus preset, or switch between AF/MF, to suit their specific shooting style and needs.

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Video 5.1: Official Tamron video showcasing the 35-150mm F/2-2.8 Di III VXD lens features, including quick and quiet focus, close focusing, super bright aperture, and programmable A-B rack focus. This video highlights the lens's suitability for content creators and portraits.

## 6. MAINTENANCE

### 6.1 Cleaning the Lens

To clean the lens, first use a blower brush to remove any loose dust or debris. For smudges or fingerprints, use a clean microfiber cloth specifically designed for optics, along with a lens cleaning solution. The fluorine coating on the front element helps to repel water and oil, making it easier to wipe clean.

### 6.2 Storage

When not in use, attach both the front and rear lens caps to protect the optical elements. Store the lens in a dry, cool place, ideally in a camera bag or a dedicated lens case, away from direct sunlight and extreme temperatures. If storing for extended periods, consider using desiccant packets to prevent moisture buildup.

## 7. TROUBLESHOOTING

### 7.1 General Issues

If you encounter issues such as the lens not focusing, not being recognized by the camera, or unusual operation, first ensure the lens is correctly mounted and the camera's battery is sufficiently charged. Check the AF/MF switch is in the desired position. If problems persist, consult your camera's manual or the Tamron support website.

### 7.2 Firmware Updates

Tamron periodically releases firmware updates to improve lens performance and compatibility. To update the firmware, connect the lens directly to your computer via its USB-C port and use the Tamron Lens Utility software. Follow the instructions provided by the software for a successful update.



Figure 7.1: Connecting the lens to a computer for firmware updates using the USB-C port.

## 8. SPECIFICATIONS

Specification	Detail
Model Number	AFA058S700
Focal Length	35-150mm
Maximum Aperture	F/2-2.8
Compatible Mountings	Sony FE (E-Mount)
Lens Type	Zoom Lens
Autofocus Motor	VXD (Voice-coil eXtreme-torque Drive)
Minimum Object Distance (MOD)	13 inches (0.33m) at 35mm
Filter Size	82mm
Product Dimensions	6.2 x 3.5 x 3.5 inches
Item Weight	2.57 pounds (41.1 oz)

## 9. WARRANTY AND SUPPORT

### 9.1 Warranty Information

This Tamron lens typically comes with a 6-Year Limited USA Warranty. Please refer to the warranty card included with your product or visit the official Tamron USA website for complete details regarding warranty coverage, terms, and conditions.

### 9.2 Customer Support

For technical assistance, service, or any inquiries regarding your Tamron 35-150mm F/2-2.8 Di III VXD lens, please contact Tamron customer support directly. You can find contact information and additional resources on the official Tamron website.