

[Manuals.plus](#) /

> [TTARTISAN](#) /

> TTArtisan 40mm F2.8 APS-C Macro Lens for Sony E-Mount Cameras User Manual

TTARTISAN 40mm F2.8 APS-C Macro Lens

TTArtisan 40mm F2.8 APS-C Macro Lens for Sony E-Mount Cameras User Manual

Comprehensive instructions for optimal use and care.

1. PRODUCT OVERVIEW

The TTArtisan 40mm F2.8 APS-C Macro Lens is a manual focus lens designed for Sony E-Mount mirrorless cameras. It features a 1:1 magnification ratio, allowing for detailed close-up photography. The lens is constructed with a durable metal body and incorporates advanced optical elements for high image quality.



Figure 1.1: Front view of the TtArtisan 40mm F2.8 Macro Lens.



Figure 1.2: Rear view of the lens, highlighting the Sony E-Mount.

2. KEY FEATURES

- **Optical Design:** 8 elements in 7 groups, including 2 Extra Low-dispersion glasses, to enhance image quality and resolution.
- **1:1 Magnification Ratio:** Achieves life-size reproduction of subjects with a minimum focusing distance of 0.17m.
- **F2.8 Large Aperture:** Suitable for various lighting conditions and produces a smooth, pleasing bokeh with an 11-blade diaphragm.
- **Manual Focus:** Provides precise control over focusing, aided by focus distance and depth of field scales.
- **Durable Construction:** All-metal body with an aviation-grade aluminum alloy bayonet for enhanced durability.
- **Versatile Applications:** Ideal for macro, portrait, night scene, still life, insects, and jewelry photography.

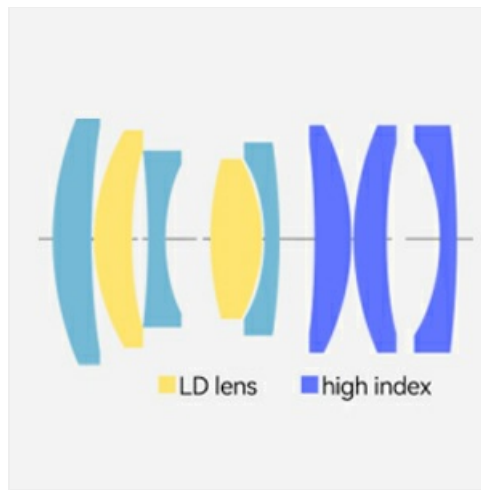


Figure 2.1: Optical design featuring LD (Low Dispersion) and high index lenses.



Figure 2.2: Example of 1:1 magnification for detailed close-up shots.

3. COMPATIBILITY

This lens is compatible with various Sony E-Mount mirrorless cameras. It is designed for APS-C sensors but can also be used on full-frame cameras in APS-C crop mode.

Compatible Sony E-Mount Camera Models:

- Sony A5000, A5100, A6000, A6100, A6300, A6400, A6500, A6600
- Sony NEX-3, NEX-3N, NEX-5, NEX-5N, NEX-5T, NEX-5R, NEX-6, NEX-7
- Sony A7, A7II, A7III, A7RII, A7RIII, A7S, A7SII, A7SIII, A9



Figure 3.1: General compatibility chart for TTArtisan lenses, including Sony E-Mount.

4. SETUP

4.1 Attaching the Lens

1. Ensure your camera is turned off.
2. Remove the rear lens cap and the camera body cap.
3. Align the red dot on the lens with the red dot on your camera's lens mount.
4. Insert the lens into the camera mount and rotate it clockwise until it clicks into place.
5. Attach the front lens cap when not in use.

4.2 Removing the Lens

1. Ensure your camera is turned off.
2. Press and hold the lens release button on your camera body.
3. Rotate the lens counter-clockwise until it detaches from the camera body.
4. Immediately attach the rear lens cap to the lens and the body cap to the camera to protect them from dust.

5. OPERATING THE LENS

5.1 Manual Focus

This is a manual focus lens. To achieve sharp focus, rotate the focus ring on the lens barrel until your subject appears clear in the viewfinder or on the LCD screen. Many modern mirrorless cameras offer focus peaking and magnification assist features to aid in precise manual focusing.



Figure 5.1: The focus ring with distance and magnification scales.

5.2 Aperture Control

The lens features a manual aperture ring. Rotate the aperture ring to select your desired f-stop (from F2.8 to F16). A wider aperture (smaller f-number) allows more light and creates a shallower depth of field, ideal for subject isolation. A narrower aperture (larger f-number) allows less light and creates a deeper depth of field, suitable for landscapes or group shots.



Figure 5.2: The aperture ring on the lens barrel.

5.3 Macro Photography

The 1:1 magnification ratio makes this lens excellent for macro photography. When shooting macro, precise focusing is crucial. Consider using a tripod to minimize camera shake and ensure sharp images. Experiment with different apertures to control the depth of field, as macro photography often results in very shallow depth of field.

Your browser does not support the video tag. This video demonstrates the macro capabilities of the TtArtisan 40mm F2.8 Macro Lens, showcasing detailed close-up shots of various subjects.

Video 5.1: Demonstration of the TtArtisan 40mm F2.8 Macro Lens in action.



Figure 5.3: Example macro shot of an insect, highlighting fine details.



Figure 5.4: Example macro shot of a spider in its web, demonstrating sharpness.

6. MAINTENANCE

6.1 Cleaning the Lens

- Use a soft, lint-free microfiber cloth specifically designed for optical surfaces.
- Gently blow off any dust or loose particles from the lens surface using a blower brush before wiping.
- For stubborn smudges, apply a small amount of lens cleaning solution to the cloth, not directly to the lens.
- Avoid touching the glass elements with your fingers.

6.2 Storage

- Always attach both front and rear lens caps when the lens is 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.

7. TROUBLESHOOTING

Issue	Possible Cause	Solution
Images are blurry/out of focus	Incorrect manual focus, camera shake, insufficient light.	Ensure precise manual focus using camera assist features. Use a tripod. Increase ISO or use external lighting.
Dark corners (vignetting)	Using on a full-frame camera without APS-C crop mode, or at very wide apertures.	Activate APS-C crop mode on full-frame cameras. Vignetting can often be corrected in post-processing.
Lens not attaching to camera	Incorrect alignment, debris on mount.	Ensure red dots are aligned. Check for and remove any debris from the lens and camera mounts.

8. SPECIFICATIONS

Feature	Detail
Brand	TTARTISAN
Model Name	40mm F2.8 APS-C Macro Lens
Focal Length	40mm (60mm equivalent on full-frame)
Maximum Aperture	F2.8
Minimum Aperture	F16
Lens Type	Macro, Prime
Compatible Mountings	Sony E
Focus Type	Manual Focus
Magnification Ratio	1:1

Feature	Detail
Minimum Focusing Distance	0.17m
Number of Diaphragm Blades	11
Optical Design	8 elements in 7 groups (2 ED glasses)
Water Resistance Level	Not Water Resistant

9. WARRANTY AND SUPPORT

TTArtisan products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the official TTArtisan website or contact your local distributor. Keep your proof of purchase for warranty claims.

For additional information and product updates, visit the official TTArtisan store: [TTArtisan Store on Amazon](#)