TTARTISAN 40mm f2.8

TTArtisan 40mm F/2.8 Macro APS-C Lens User Manual

Model: 40mm f2.8

1. Introduction

The TTArtisan 40mm F/2.8 Macro lens is designed for APS-C mirrorless cameras, offering a 1:1 magnification ratio for detailed close-up photography. This manual focus lens features a bright F/2.8 aperture, making it suitable for various photographic applications beyond macro, including portraits and general photography. Its compact design ensures portability and ease of use.

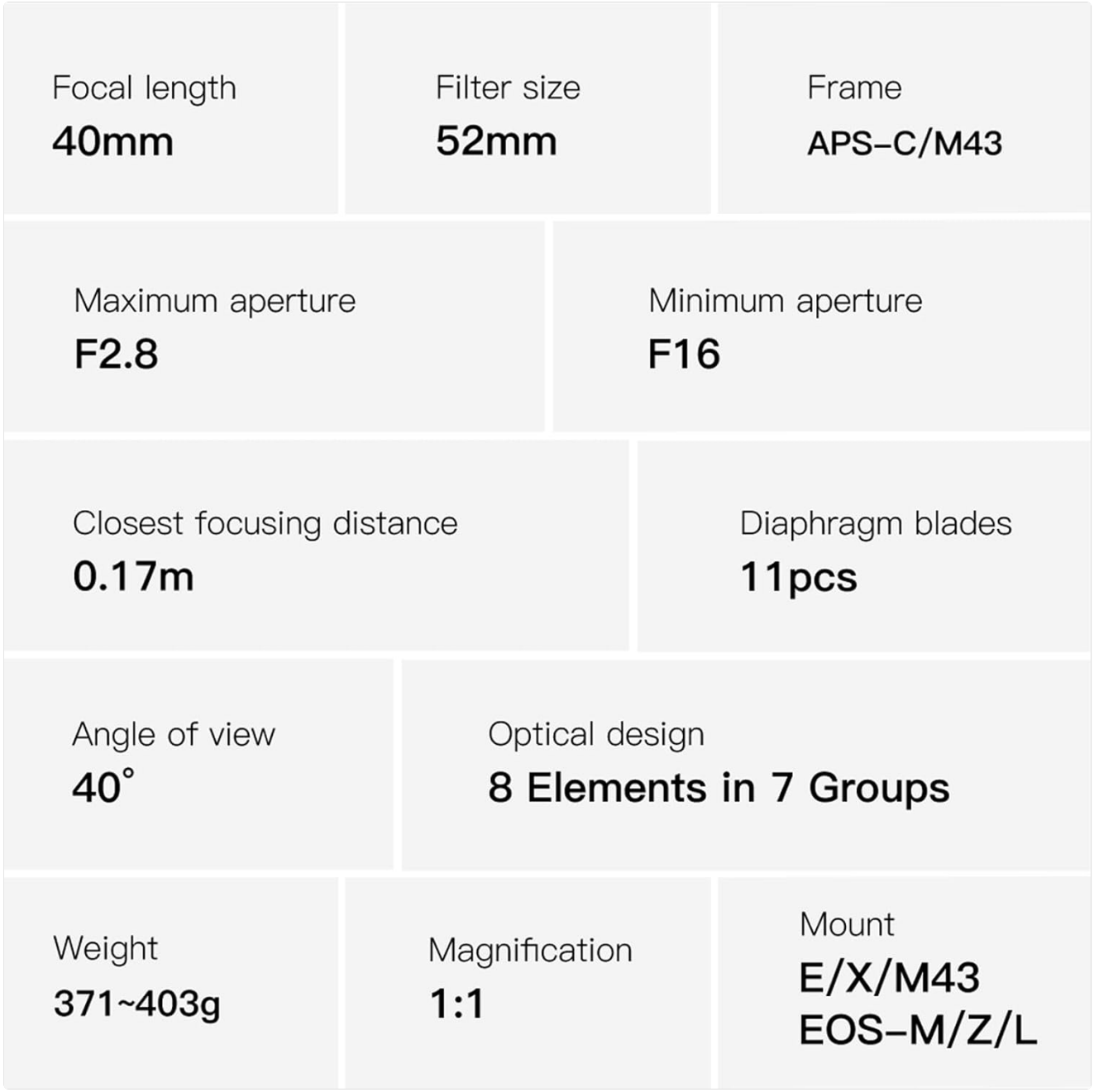


Image 1: Front view of the TTArtisan 40mm F/2.8 Macro Lens.

2. Key Features

- **1:1 Magnification:** Achieve life-size reproduction of small subjects, capturing intricate details with precision.
- **F/2.8 Large Aperture:** Provides excellent low-light performance and allows for shallow depth of field with smooth bokeh.
- **Manual Focus:** Offers precise control over focus, essential for critical macro photography.
- **APS-C Frame Compatibility:** Optimized for cameras with APS-C sensors.
- **Advanced Optical Design:** Composed of 8 elements in 7 groups, including two Extra-low Dispersion (ED) glasses to minimize chromatic aberrations and ensure high image quality and color accuracy.
- **Compact and Portable:** Lightweight design (approximately 371-403g) for easy handling and transport.
- **11 Diaphragm Blades:** Contributes to a pleasing and smooth out-of-focus background (bokeh).
- **Closest Focusing Distance:** 0.17 meters (0.56 feet) for extreme close-up shots.



Image 2: Example of macro photography showcasing image quality and color accuracy.



Image 3: Example of F/2.8 large aperture producing creamy bokeh in a macro shot.

3. Camera Compatibility

This lens is designed for mirrorless cameras and is compatible with the following mounts and camera models:

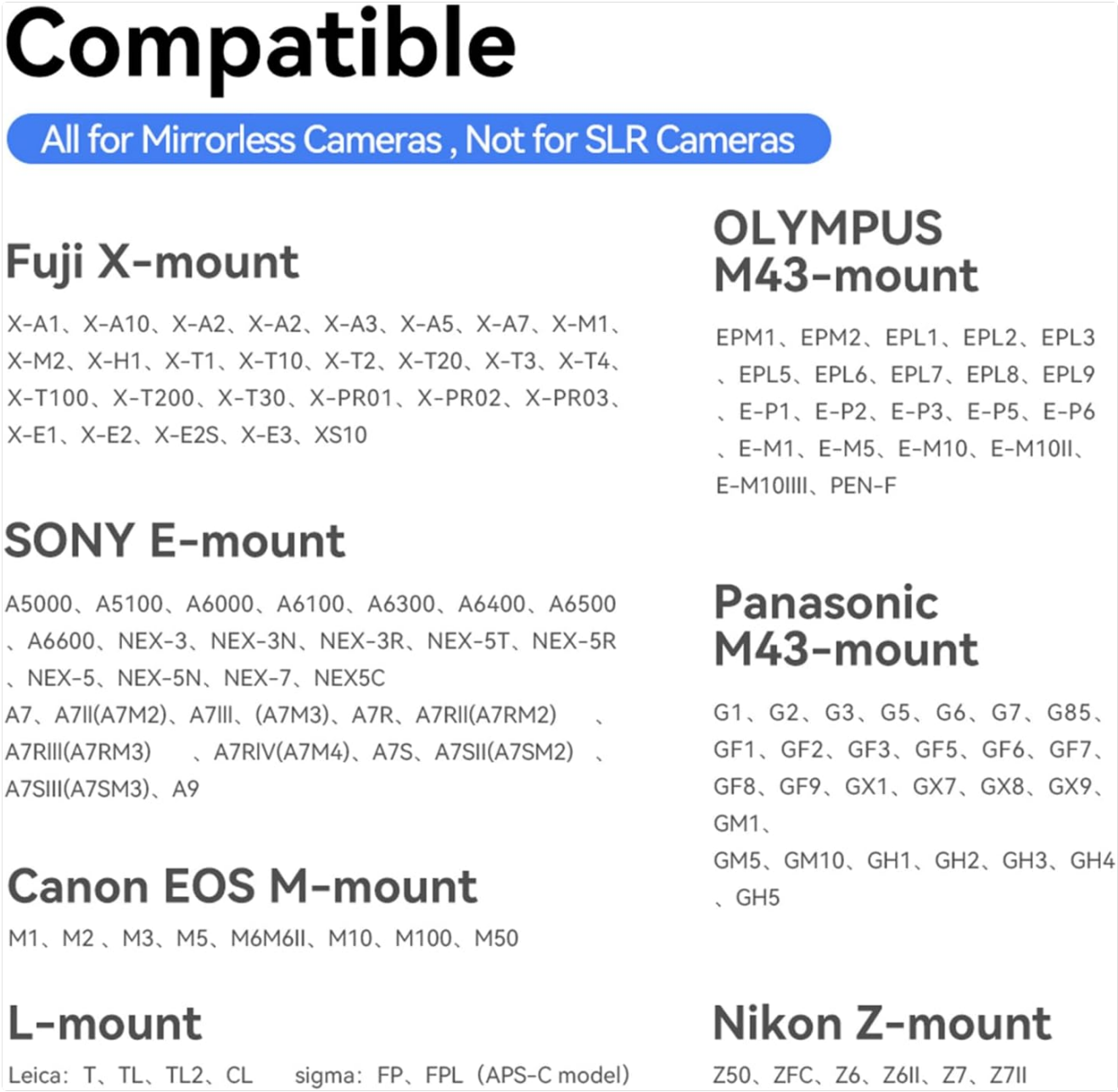


Image 4: Compatibility chart for various mirrorless camera mounts.

Fuji X-mount

X-A1, X-A10, X-A2, X-A3, X-A5, X-A7, X-M1, X-M2, X-H1, X-T1, X-T10, X-T2, X-T20, X-T3, X-T4, X-T100, X-T200, X-T30, X-PR01, X-PR02, X-PR03, X-E1, X-E2, X-E2S, X-E3, XS10

OLYMPUS M43-mount

EPM1, EPM2, EPL1, EPL2, EPL3, EPL5, EPL6, EPL7, EPL8, EPL9, E-P1, E-P2, E-P3, E-P5, E-P6, E-M1, E-M5, E-M10, E-M10II, E-M10IIII, PEN-F

SONY E-mount

A5000, A5100, A6000, A6100, A6300, A6400, A6500, A6600, NEX-3, NEX-3N, NEX-3R, NEX-5T, NEX-5R, NEX-5N, NEX-7, NEX5C, A7, A7II(A7M2), A7III(A7M3), A7R, A7RII(A7RM2), A7RIII(A7RM3), A7RIV(A7M4), A7S, A7SII(A7SM2), A7SIII(A7SM3), A9

Panasonic M43-mount

G1, G2, G3, G5, G6, G7, G85, GF1, GF2, GF3, GF5, GF6, GF7, GF8, GF9, GX1, GX7, GX8, GX9, GM1, GM5, GM10, GH1, GH2, GH3, GH4, GH5

Canon EOS M-mount

M1, M2, M3, M5, M6MII, M10, M100, M50

Nikon Z-mount

Z50, ZFC, Z6, Z6II, Z7, Z7II

L-mount

Leica: T, TL, TL2, CL sigma: FP, FPL (APS-C model)

4. Setup

Attaching the Lens

1. Remove the rear lens cap from the lens and the body cap from your camera.
2. Align the red dot on the lens barrel with the corresponding mark on your camera's lens mount.
3. Rotate the lens clockwise (or counter-clockwise, depending on your camera mount) until it clicks into place. Ensure it is securely locked.

Removing the Lens

1. Press and hold the lens release button on your camera body.
2. Rotate the lens in the opposite direction until it detaches from the camera body.
3. Place the front and rear lens caps on the lens to protect the elements from dust and damage.



Image 5: The TTArtisan 40mm F/2.8 Macro Lens shown mounted on different camera bodies.

5. Operating the Lens

Manual Focus

This is a manual focus lens. To achieve sharp focus:

- Set your camera to manual focus (MF) mode.
- Rotate the focus ring on the lens barrel until your subject appears sharp in the viewfinder or on the camera's LCD screen.
- Utilize your camera's focus peaking or magnification features for more precise focusing, especially in macro photography.
- The distance scale on the lens barrel indicates the approximate focusing distance in meters (m) and feet (ft).

Aperture Control

The aperture ring allows you to manually set the aperture from F/2.8 to F/16. Adjusting the aperture controls the depth of field and the amount of light entering the camera.

- Rotate the aperture ring to select your desired F-stop.
- A wider aperture (smaller F-number like F/2.8) results in a shallower depth of field and more light.
- A narrower aperture (larger F-number like F/16) results in a greater depth of field and less light.

Exposure Settings

Since this is a manual lens, it does not communicate aperture information to the camera. You will need to set your camera to Manual (M) or Aperture Priority (A/Av) mode and adjust ISO and shutter speed accordingly to achieve correct exposure.

Macro Photography Tips

- **Stability:** Use a tripod or other stable support to minimize camera shake, especially at high magnifications where even slight movement can cause blur.
- **Lighting:** Consider using external lighting (e.g., ring flash, LED panel) for even illumination and to compensate for light loss at close focusing distances.
- **Depth of Field:** At 1:1 magnification, the depth of field is extremely shallow. Experiment with different apertures and consider techniques like focus stacking if a greater depth of field is required.



Image 6: Close-up view of the lens showing the focus and aperture rings.

Your browser does not support the video tag.

Video 1: An overview of the TTArtisan 40mm F/2.8 Macro lens, demonstrating its features and usage.

6. Maintenance and Care

Cleaning the Lens

- **Dust Removal:** Use a blower brush to gently remove dust particles from the lens surfaces. Avoid wiping dry

lens elements, as this can cause scratches.

- **Smudges and Fingerprints:** For smudges or fingerprints, use a clean, soft microfiber cloth specifically designed for optics. Apply a small amount of lens cleaning solution to the cloth, not directly to the lens element, and gently wipe in a circular motion from the center outwards.
- **Avoid Contact:** Do not touch the lens elements with bare hands.

Storage

- Always store the lens with both front and rear caps attached to protect the optical elements.
- Store the lens in a dry, cool place, away from direct sunlight, high humidity, and extreme temperatures.
- For extended storage, consider using a dehumidifying cabinet or silica gel packets to prevent mold and mildew growth.

Handling

- Avoid dropping the lens or subjecting it to strong impacts.
- Protect the lens from water and excessive moisture. If it gets wet, dry it immediately with a soft cloth.



Image 7: The TTArtisan 40mm F/2.8 Macro Lens packaging and included accessories.

7. Troubleshooting

Image is blurry or out of focus

- Ensure your camera is set to manual focus (MF) mode.
- Carefully rotate the focus ring on the lens until the subject appears sharp.
- Check if the lens is securely mounted to the camera body.

Images are too dark or too bright

- Adjust the aperture on the lens using the aperture ring.
- Adjust the camera's ISO and shutter speed settings to achieve correct exposure.
- Ensure your camera's metering mode is appropriate for the scene you are photographing.

Camera does not recognize the lens

- This is a manual lens and does not transmit electronic information (like aperture or autofocus data) to the camera body. This behavior is normal for fully manual lenses.
- Ensure the lens is properly mounted and locked onto the camera body.

8. Specifications



Image 8: Detailed technical specifications of the lens.

Feature	Specification

Feature	Specification
Focal Length	40mm
Maximum Aperture	F/2.8
Minimum Aperture	F/16
Filter Size	52mm
Frame	APS-C
Closest Focusing Distance	0.17m (0.56 ft)
Diaphragm Blades	11 pcs
Angle of View	40°
Optical Design	8 Elements in 7 Groups (including 2 ED glasses)
Weight	371g - 403g (13.1 oz - 14.2 oz)
Magnification	1:1
Compatible Mounts	Canon EOS-M, Fuji X, Sony E, Olympus M43, Panasonic M43, Nikon Z, L-mount
Item Model Number	40mm f2.8
Manufacturer	TTArtisan



Image 9: Diagram illustrating the dimensions of the lens.

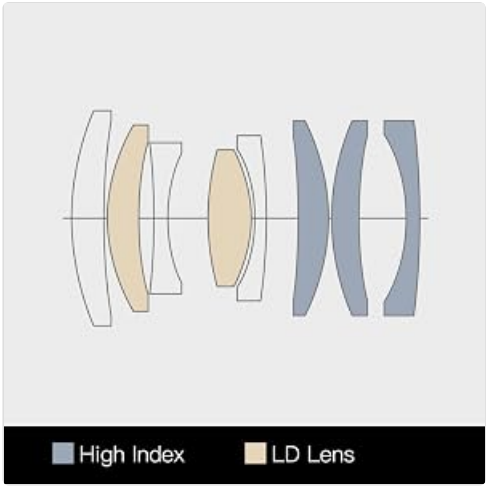


Image 10: Optical design diagram of the lens, showing element arrangement.

9. Warranty Information

Warranty information for the TTArtisan 40mm F/2.8 Macro lens is typically included with the product in the form of a warranty card. Please refer to the documentation provided in your product packaging for specific details regarding warranty coverage, terms, and conditions.

10. Customer Support

For further assistance, technical support, or any inquiries regarding your TTArtisan 40mm F/2.8 Macro lens, please contact TTArtisan customer service through their official website or the retailer from whom the product was purchased. Please have your product model number and purchase details ready when contacting support.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question