

September 26, 2024

**TAMRON announces the new 90mm Macro
90mm F/2.8 Di III MACRO VXD (Model F072)
for Sony E-mount and Nikon Z mount full-frame mirrorless**

**The compact, innovative, high-performance design leverages its
renowned 45-year heritage**

September 26, 2024 – Tamron Co., Ltd. (President & CEO: Shogo Sakuraba; Headquarters: Saitama City, Japan; “TAMRON”), a leading manufacturer of optics for diverse applications, announces the launch of the 90mm F/2.8 Di III MACRO VXD (Model F072), a mid-telephoto 1:1 macro lens, compatible with Sony E-mount and Nikon Z mount full-frame mirrorless cameras, on October 24, 2024.



PRODUCT NAME	DATE OF LAUNCH
90mm F/2.8 Di III MACRO VXD (Model F072) For Sony E-mount, Nikon Z mount	October 24, 2024

■ Celebrating 45 years of TAMRON 90mm macro lenses: The next generation

In 1979, TAMRON introduced its first 90mm macro lens, the SP 90mm F/2.5 (Model 52B), revolutionizing the concept of macro lenses. Known for its stunning bokeh and superb image quality, this lens was initially used mainly for academic purposes, but it soon became popular for various types of photography, including outdoor field work and portraiture. Affectionately nicknamed "*Tamukyu*," a portmanteau of two Japanese words, it garnered high praise from close-up aficionados, nature photographers and portrait enthusiasts alike.

TAMRON continued to innovate in response to evolving photographic needs, releasing subsequent

PRESS RELEASE

models such as the SP AF90mm F/2.8 Di MACRO 1:1 (Model 272E) and SP 90mm F/2.8 Di MACRO 1:1 VC USD (Model F004). In 2016, TAMRON launched the SP 90mm F/2.8 Di MACRO 1:1 VC USD (Model F017), an evolution of the Model F004. The digital-compatible coating technology, combined with its soft, natural bokeh and sharp rendering, continues to be favored by many photographers today.

Now, in celebration of the 45th anniversary of the first generation, TAMRON is releasing a highly anticipated mirrorless version of this iconic lens. This latest iteration combines the traditional, beloved brilliant performance with cutting-edge technology, continuing TAMRON's macro lens legacy. We invite you to explore the new possibilities offered by TAMRON's latest 90mm macro lens.

■ Product features**1. High optical performance and image reproduction: the legacy grows**

TAMRON's 90mm lenses have long been celebrated for their high resolution and beautiful bokeh. The new 90mm F2.8 MACRO lens, designed for mirrorless cameras, reinforces this legacy via a rigorous optical simulation process. This lens offers unparalleled resolution performance from the center to the edges, and delivers soft, blurred bokeh and a three-dimensional effect that highlights the subject. The optical construction features 15 elements in 12 groups, including four special glass LD (Low Dispersion) lens elements that effectively suppress the tendency of light ray divergence and provide excellent correction for both spherical and chromatic aberration. The BBAR-G2 (Broad-Band Anti-Reflection Generation 2) Coating significantly minimizes ghosting and flare, ensuring that even in backlit conditions, the finest details of the subject are captured with clarity and precision. This exceptional optical performance enables photographers to explore unique photographic expressions in many photographic genres, including macro, portrait, tabletop, long-distance photography, and various other types.

Additionally, you can also enjoy the outstanding macro performance of this lens and beautiful images with APS-C format cameras. The equivalent focal length is approximately 135mm while the minimum aperture remains F2.8.

2. Outstanding flat-field performance

TAMRON's new 90mm F2.8 MACRO is highly corrected for superior flat-field resolution that will be best for subjects such as documents, currency, artwork and product packaging. This quality is especially important when shooting close-up images where depth of field is too

shallow to neutralize the loss of sharpness that could otherwise occur at the extreme edges of a flat subject. Because it's highly corrected, this lens provides edge to edge sharpness, uniform illumination across the frame and minimal distortion.

3. TAMRON's first 12-blade circular aperture for stunning circular bokeh and starburst effects

The 90mm F2.8 MACRO introduces TAMRON's first 12-blade circular aperture, setting a new standard for beautiful circular bokeh expression. Especially in the macro range, with a maximum magnification in between 1:1 to 1:4, this specialized diaphragm ensures that the bokeh remains perfectly circular when the aperture is wide open. The lens also suppresses vignetting in the four corners of the image. Composed entirely of spherical elements, the new 90mm F2.8 MACRO allows you to enjoy exquisite circular bokeh.

In addition, the 12-blade design produces 12 rays for exquisite starburst effects when the aperture is stopped down, making it ideal for capturing dramatic images of scenes that include point-sources of light, such as birthday cake candles and evening cityscapes.

4. Compact size, just 126.5mm (5in)¹ in length

The 90mm F2.8 MACRO is a medium telephoto macro lens with a maximum aperture of F2.8² and a length of 126.5mm (5in). With a maximum diameter of only 79.2mm, the lens fits comfortably in the palm of the hand and is easy to hold, making it compact enough to go out with this macro lens everywhere. It's also light in weight at 630g (22.2oz), making it more pleasant to carry for long periods of time.

5. New hood design with sliding window for easy filter rotation

The 90mm F2.8 MACRO is supplied with a new structural lens hood that has a sliding window designed for easy filter operation. Filters such as PL, ND, and cross screen filters require rotation to adjust their effects, often requiring the removal of the hood. To solve this inconvenience, the new design allows photographers to easily rotate the filter through the sliding window. This enables seamless adjustment without disrupting the shooting flow, ensuring precise control over shooting conditions and maintaining the rhythm of normal camera operation.

6. Proprietary software tool TAMRON Lens Utility™ for lens function customization and firmware updates

7. High-speed and high-precision AF with superb subject tracking performance

8. High convenience and operability

- 67mm filter size, same as most other TAMRON lenses for mirrorless cameras
- Focus Set Button for assigning camera function and TAMRON Lens Utility function
- Focus limiter switch for faster focusing during AF shooting and quick refocusing on subjects
- Precise torque for accurate MF operation
- Enhanced overall lens design for user-friendly operation

9. Protective features (Moisture-Resistant Construction and Fluorine Coating)

Note:

1 Length and weight are based on the Sony E-mount lenses.

2 For Nikon Z mount, the effective F number value will be displayed.

SPECIFICATIONS

Model	: F072
Focal Length	: 90mm
Maximum Aperture	: F2.8
Angle of View (diagonal)	: 27°2' (for full-frame mirrorless format)
Optical Construction	: 15 elements in 12 groups
Minimum Object Distance	: 0.23m / 9.1in
Maximum Magnification Ratio	: 1:1
Filter Size	: φ67mm
Maximum Diameter	: φ79.2mm
Length*	: 126.5mm (5in) for Sony 128.5mm (5.1in) for Nikon
Weight	: 630g (22.2oz) for Sony 640g (22.6oz) for Nikon
Aperture Blades**	: 12 (circular diaphragm)
Minimum Aperture	: F16

PRESS RELEASE

Standard Accessories : Round-shaped hood (with filter effect control window)

Front cap, Rear cap

Mount : Sony E-mount, Nikon Z mount

* Length is the distance from the front end of the lens to the lens mount face.

** The circular diaphragm stays almost perfectly circular up to two stops down from maximum aperture.

Specifications, appearance, functionality, etc. are subject to change without prior notice.

This product is developed, manufactured, and sold based on the specifications of E-mount which was disclosed by Sony Corporation under the license agreement with Sony Corporation.

This product is developed, manufactured, and sold under the license agreement with Nikon Corporation.

About Tamron Co., Ltd.

TAMRON provides a wide range of original optical products, from interchangeable lenses for digital cameras to various optical devices for both the general consumer and OEM. We make optical products that contribute to a range of different industries and will continue to devote our rich creativity and leading-edge technical prowess to various industrial fields. Furthermore, TAMRON is fully aware of our responsibility to the environment and aspires to help preserve the natural environment in all our business activities.

Optical Product Line-up:

Interchangeable lenses for Mirrorless and DSLR cameras, Network Surveillance camera lenses, FA and Machine vision lenses, Teleconferencing lenses, Camera modules, Automotive camera lenses, Lenses for compact digital cameras and video cameras, Drone lenses, Medical devices and Various optical device units.