

September 21, 2023

TAMRON announces world’s first¹ 17-50mm wide-angle zoom lens for full-frame mirrorless cameras

17-50mm F/4 Di III VXD (Model A068)

Zooming from 17mm ultra wide-angle to 50mm standard, unique lens offers maximum versatility for still and video creators

September 21, 2023, Saitama, Japan – 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 17-50mm F/4 Di III VXD (Model A068), a wide-angle zoom lens for Sony E-mount full-frame mirrorless cameras on October 19, 2023.



PRODUCT NAME	DATE OF LAUNCH
17-50mm F/4 Di III VXD (Model A068) For Sony E-mount	October 19, 2023

This groundbreaking lens zooms from 17mm ultra wide-angle to 50mm standard, the world’s first¹ with such a dynamic zoom range for full-frame mirrorless cameras. TAMRON’s new 17-50mm F4 for Sony mirrorless cameras is a wide-angle zoom with a constant F4 aperture covering ultra wide-angle to standard focal lengths, a zoom range ideal for both still photography and video recording. This lens achieves excellent optical performance across the entire zoom range, with crispness from edge-to-edge. The lens also incorporates VXD (Voice-coil eXtreme-torque Drive) linear motor focus mechanism with superior quietness and agile performance and achieves high-speed and high-precision autofocus. Additionally, the physical length of the lens does not change while zooming. It’s

the perfect lens for taking still photos and is also ideal for video shooting, in part since it's easy to balance even when fitted to a gimbal stabilizer or other equipment. The excellent close-range shooting performance provides an MOD (Minimum Object Distance) of 0.19m (7.5in) at the wide end and 0.3m (11.8in) at the tele end. This lets users get closer to the subject to capture one-of-a-kind photos in a broad range of situations. The ideal "walk around" lens, the new 17-50mm F4 zoom offers great portability and convenience and makes it possible to shoot a variety of content, both still images and video, from sweeping landscapes to snapshots, all without switching lenses.

■ PRODUCT HIGHLIGHTS

1. Zoom lens that covers ultra wide-angle to standard focal length at constant F4 aperture

No need to switch lenses— users can zoom from ultra wide-angle 17mm for dynamic expressions to snapshot photography at the 50mm standard focal length end, an angle of view close to that of human vision. What's more, the wide-open aperture of F4 is consistent across the entire zoom range and thereby maintains constant exposure when zoomed in or out. Whether shooting still images or video, the new 17-50mm F4 has you covered.

2. High optical performance and image quality throughout the entire zoom range

With the expert arrangement of 15 lens elements in 13 groups, including three LD (Low Dispersion), a GM (Glass Molded Aspherical), and two hybrid aspherical lens elements, the new 17-50mm lens efficiently suppresses chromatic and other optical aberrations, ensuring clear capture of fine details from edge-to-edge in all images. The lens also delivers outstanding bokeh at the F4 wide open aperture, creating appealing shots in which subjects such as trees and flowers that color the seasons pop out against the background in natural landscape photography.

3. Compact for easy handling with internal zoom for superlative balance

The 17-50mm F4 weighs just 460g (16.2oz) and is only 114.4mm (4.5in) long, a form factor that is well-balanced on a Sony mirrorless camera body. The lens employs an internal zoom mechanism that keeps the lens barrel at its fixed length, so it's easy to balance when framing still or video shots or when paired with a video rig or gimbal stabilizer. Additionally, the new zoom features Moisture-Resistant Construction and Fluorine Coating. The easy handling provided by its compact size makes it a great choice for active scenarios such as mountain climbing or other outdoor activities.

4. Fast and accurate AF for still and video shooting

The 17-50mm F4's AF drive uses VXD linear motor focus mechanism to achieve class-leading high-speed and high-precision auto-focusing. With fast and accurate focusing of moving objects, plus excellent subject-tracking performance, users can readily shift into a fast-paced shooting rhythm. Thanks to the quiet operation during AF, the lens is superb when shooting still images or video for low noise shooting in silent settings.

5. Outstanding close-range shooting performance expands versatility

The MOD of the 17-50mm F4 are 0.19m (7.5in) at the wide end and 0.3m (11.8in) at the standard 50mm end. The working distance at 17mm is only about 5.7cm (2.3in), closer even than most non-zoom lenses. Users can freely get close to the subject and can enlarge the foreground against a blurred background, or comfortably focus without needing to change their shooting position even in places with limited space.

6. Additional features for greater convenience

7. Proprietary software tool TAMRON Lens Utility™ expands the possibilities of still imaging and video capture

8. User-friendly features (Moisture-Resistant Construction and Fluorine Coating)

9. 67mm filter size, same as most other TAMRON lenses for mirrorless cameras

Note:

1 Among the zoom lenses for full-frame Sony E-mount mirrorless cameras (As of August, 2023 — TAMRON)

SPECIFICATIONS

Model	: A068
Focal Length	: 17-50mm
Maximum Aperture	: F4
Angle of View (diagonal)	: 103°41' - 46°48' (for full-frame mirrorless format)
Optical Construction	: 15 elements in 13 groups

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Minimum Object Distance	: 0.19m / 7.5in (WIDE) / 0.3m / 11.8in (TELE)
Maximum Magnification Ratio	: 1:4.6 (WIDE) / 1:3.8 (TELE)
Filter Size	: Ø67mm
Maximum Diameter	: Ø74.8mm
Length*	: 114.4mm (4.5in)
Weight	: 460g (16.2oz)
Aperture Blades**	: 9 (circular diaphragm)
Minimum Aperture	: F22
Standard Accessories	: Flower-shaped hood, Lens caps
Mount	: Sony E-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.

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, Surveillance camera lenses, FA and Machine vision lenses, Video conference lenses, Camera modules, Automotive lenses, Digital still camera lenses, Camcorder lenses, Drone lenses, and Lenses for medical applications.