

TAMRON

Focal Length: 180mm Exposure: F/2.8 1/2000sec ISO: 400



70-180_{mm} F/2.8 Di III VXD

for Sony full-frame mirrorless



**Lighter, smaller, faster
– for true telephoto freedom**

Lightest and most compact F/2.8 telephoto zoom in its class*.
All-new VXD linear motor provides fast and precise autofocus.

Innovative features unleash your creativity

70-180mm F/2.8 Di III VXD (Model A056)

For Sony E-mount Di III: For mirrorless interchangeable-lens cameras

*Among interchangeable F/2.8 AF telephoto zoom lenses (As of January, 2020: Tamron)



Small in size but long on features

Light weight and fast handling make telephoto shooting fun



Focal Length: 70mm Exposure: F/2.8 1/8sec ISO:200

The 70-180mm F/2.8 Di III VXD (Model A056) large aperture telephoto zoom lens is for Sony E-mount full-frame mirrorless cameras. The greatest feature is its superb performance even while attaining a fast F/2.8 aperture across the entire zoom range and offering the world's lightest and most compact*1 package at just 149mm (5.9 in) length (at the 70mm setting) and a weight of 810g (28.6 oz). Thanks to the generous use of special lens elements, the 70-180mm F/2.8 achieves excellent optical performance from center to edge. With the short MOD (Minimum Object Distance) of 0.85m (33.5 in), the 70-180mm F/2.8 expands the possibilities for photographic expression. For the AF drive, Tamron has newly developed the VXD (Voice-coil eXtreme-torque Drive), a linear motor focus mechanism. A unique capability of the 70-180mm F/2.8 is shooting in the close-up range down to 0.27m*2 (10.6 in) at the 70mm wide-angle end, specifically when manual focus (MF) is set on the camera body. Add it all together and you can go light while going long—and get the shot!

The highest levels of autofocus speed and precision in Tamron's long history

The AF drive is equipped with VXD (Voice-coil eXtreme-torque Drive), Tamron's first-ever linear motor focus mechanism for stunningly fast and accurate auto-focusing. Two VXD units are arranged in a floating system and operated simultaneously via electronic control to achieve excellent optical performance at all shooting distances near and far. Focus tracking has also been vastly improved during sports and racing photography, which are common subjects for telephoto zooms. This ensures that those powerful moments are never missed, whether shooting still photos or video. With the excellent quietness that is characteristic of linear motor systems, the AF is ideal for shooting in low-noise environments.



VXD (Voice-coil eXtreme-torque Drive): linear motor focus mechanism

Minimum Object Distance of 0.85m (33.5 in)



Focal Length: 180mm Exposure: F/2.8 1/320sec ISO:320

The 70-180mm F/2.8 offers MOD of just 0.85m (33.5 in) across the entire zoom range, a surprising accomplishment for a large-aperture telephoto zoom lens. At this short distance (at the 180mm setting) the magnification ratio is 1:4.6, permitting powerful close-ups.

Versatile lens lineup, and all are 67mm filter size

Featuring compact, light-weight design and the same 67mm filter size among the other mirrorless camera lenses Tamron has introduced, multiple lenses are easy to carry together, plus filters and lens caps can be used interchangeably. Now that's convenient!

Built with Mirrorless in Mind

Tamron's new 70-180mm F/2.8 is compatible with many of the advanced features that are specific to mirrorless cameras. This includes:

- Fast Hybrid AF
- Eye AF
- Direct Manual Focus (DMF)
- In-camera lens correction (shading, chromatic aberration, distortion)
- Camera-based lens unit firmware updates

* Features vary by camera. Please consult your camera's instruction manual for details.

Additional Features

- Moisture-Resistant Construction
- Fluorine Coating
- Zoom Lock Switch

*1 Among interchangeable AF telephoto zoom lenses (As of January, 2020: Tamron)

*2 For more details, please visit this website: <https://www.tamron.jp/en/support/guide/closeup.html>

70-180mm F/2.8 Di III VXD (Model A056)

Model..... A056
Focal Length..... 70-180mm
Max. Aperture..... F/2.8
Angle of View (diagonal)..... 34°21'-13°42'
<for full-frame mirrorless format>
Optical Construction..... 19 elements in 14 groups
MOD..... AF: 0.85m / 33.5 in (Full zoom range)
(MF: 0.27m / 10.6 in (Wide) / 0.85m / 33.5 in (Tele))*

Max. Mag. Ratio..... AF: 1:4.6
(MF: 1:2 (Wide) / 1:4.6 (Tele))*
Filter Size..... ϕ 67mm
Max. Diameter..... ϕ 81mm
Length**..... 149mm (5.9 in)
Weight..... 810g (28.6 oz)
Aperture Blades..... 9 (circular diaphragm)***
Min. Aperture..... F/22
Standard Accessories..... Flower-shaped hood, Lens caps

Compatible Mounts Sony E-mount

* At the 70mm setting, it's possible to shoot at the close range of 0.27m when manual focus (MF) is set on the camera. However, results may be less than optimum since image quality decreases in peripheral areas. For details, please visit this website: <https://www.tamron.jp/en/support/guide/closeup.html>

** Length is the distance from the front tip 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.

For details ▶



Caution: Please read the instruction manual carefully before using the lens.

A056-EN-111-D-2001

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Management on Quality and Environment

Tamron is certified with international standards: ISO 9001 for quality and ISO 14001 for environmental management at its headquarters, domestic sales offices, China plant as well as three production facilities in Aomori, Japan, and is fully committed to striving for continued and sustainable improvement at all levels and facets of its business operations.

www.tamron.com

Note: Information valid as of January, 2020. Information in this publication is subject to change at any time without prior notice.

