

18-270mm F/3.5-6.3 Di II VC PZD for Canon, Nikon 18-270mm F/3.5-6.3 Di II PZD for Sony

(Model B008) Di (Digitally Integrated) II lenses exclusive for APS-C size digital SLRs, with flower-shaped lens hood.

TAMRON
New eyes for industry

Focal length: 18mm
(equivalent to 28mm)
Exposure: F/11
1/400 sec
ISO 320
WB: Auto Handheld

One lens.
Every moment.

Camera GP 2011
Lens of The Year



レンズ賞
Lens of The Year

Wins European Zoom Lens
of the Year 2011-2012



60th Anniversary Model: World's lightest, most compact 15x zoom*.
Tamron's first piezoelectric autofocus motor PZD (Piezo Drive).
Built-in VC (Vibration Compensation).

*For SLR camera high-zoom-ratio lenses with 15x magnification capability. Current as of December 2010. (Source: Tamron).

Compatible mounts: Canon, Nikon, Sony

The Sony mount does not include the VC (Vibration Compensation) image stabilization functionality, as the body of Sony digital SLR cameras includes image stabilization functionality.
Di (Digitally Integrated) II lenses exclusive for APS-C size digital SLRs.

<http://www.tamron.com>





Focal length: 18mm (equivalent to 28mm) Exposure: F/4 1/2000 sec ISO250 WB: Auto Handheld



Focal length: 91mm (equivalent to 141mm)
Exposure: F/9
1/400 sec
ISO640
WB: Auto Handheld

All that potential, and in the palm of your hand. The world's lightest, smallest*1 that packs a 15x zoom punch.

In addition to being the most compact and lightest lens in the world*1 with 15x magnification, the Tamron 18-270mm high-power zoom lens boasts the PZD (Piezo Drive) internal autofocus drive, Tamron's first standing wave ultrasonic motor system. Agile performance is virtually guaranteed with an unshakeable new*2 VC (Vibration Compensation). All that, and with a $\phi 62\text{mm}$ filter diameter and weighing in at $450\text{g}^{\ast 3}$, this lens is the culmination of uncompromising research and development to make a lightweight, compact, all-in-one super zoom lens. The trailblazing PZD (Piezo Drive) delivers smooth, quick autofocus. Combined with VC (Vibration Compensation), this is a winning partnership delivering clear, stable shots even in low light or at the telephoto end. The overall lens size is reduced, easing your ability to capture clean, clear images of high resolution.

The result: express yourself without limits. Whether you're toting it to a casual picnic or an off-road mountain biking expedition, we've engineered a high-powered zoom lens that's not only versatile but also light and compact. The new 18-270mm F/3.5-6.3 Di II VC PZD (Model B008).

*1 For SLR camera high-zoom-ratio lenses with 15x magnification capability. Current as of December 2010. (Source: Tamron).
*2 The basic structure of the VC (Vibration Compensation) mechanism has not been changed and maintains the renowned performance of Tamron lenses.
*3 Weight values given are for the Nikon mount.

18-270mm F/3.5-6.3 Di II VC PZD for Canon, Nikon 18-270mm F/3.5-6.3 Di II PZD for Sony

(Model B008) Di (Digitally Integrated) II lenses exclusive for APS-C size digital SLRs, with flower-shaped lens hood.

Model	B008	Length	88mm*1x2 (3.5 in)	
Focal Length	18-270mm	Entire Length	96.4mm*1x2 (3.8 in)	
Maximum Aperture	F/3.5 - 6.3	Diameter	$\phi 74.4\text{mm}$ (2.9 in)	
Angle of View (diagonal)	75°33' ~ 5°55'	Weight	450g*1 (15.9 oz)	
Lens Construction	16 elements in 13 groups	Diaphragm Blade Number	7	
Minimum Focus Distance	0.49m (19.3in)	Minimum Aperture	F/22-40	
Max. Magnification Ratio	1:3.8	Standard Accessories	Flower-shaped lens hood	
Filter Size	$\phi 62\text{mm}$	Compatible Mounts	Canon, Nikon, Sony*3	

*1 Length, entire length, and weight values given are for the Nikon mount. Specifications, appearance, functionality, etc., may be changed without prior notice.
*2 Length is the distance between the mount face and the tip of the lens. Entire length is the distance between the tip of the lens and the tip of the protrusion.
*3 The Sony mount does not include the VC image stabilization functionality, as the body of Sony digital SLR cameras includes image stabilization functionality.



Focal length: 39mm (equivalent to 60mm) Exposure: F/5.6 1/3200 sec ISO500 WB: Auto Handheld



Focal length: 50mm (equivalent to 78mm)
Exposure: F/7.1
1/200 sec
ISO100
WB: Auto Handheld



18mm (Equivalent to 28mm)

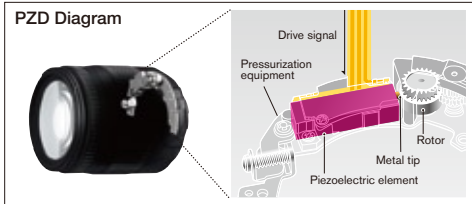


270mm (Equivalent to 419mm)

From wide to telephoto, this 15x high-power zoom lens covers a vast focal range, and it does it in a light, compact package. At the telephoto end, the 18-270mm is ideal for sports shots or when using distance to capture wildlife in habitat or natural expressions on subjects who normally would be overly conscious of the camera. Whether on vacation or in your own back yard, the wide end gives you the tools to shoot expansive landscapes. Every angle for photographic expression and all in a lens that delivers sharp, clear photos.

Super smooth and accurate, with a first for Tamron – PZD (Piezo Drive)

The new PZD (Piezo Drive) piezoelectric drive marks another Tamron first in its autofocus SLR lenses, an internal standing wave ultrasonic motor system. Innovations to reduce parts and simplify operation also contributed to the lens's reduced size and weight. Lighter and smaller than other autofocus drives, the piezoelectric drive uses a standing wave, instead of the traditional traveling wave, to turn and extend the piezoelectric element. Thus the entire element moves in a standing wave pattern, moving the metal tip (the contact surface) in an elliptic motion. The friction of this movement moves the rotor for a smooth, precise autofocus.



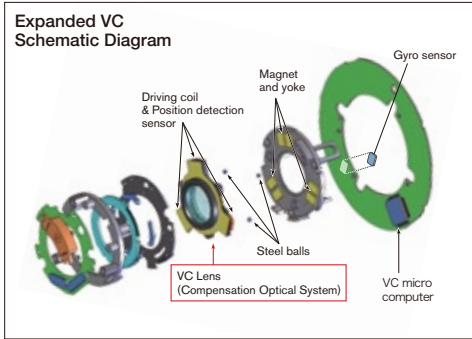
An all new VC (Vibration Compensation). Low light and telephoto was never this.

Tamron's celebrated VC (Vibration Compensation) just got even better. It still offers great handheld and telephoto shots. It still delivers the renowned VC (Vibration Compensation) stable viewfinder image, and excellent traceability. It's still based on a moving three-coil mechanism that activates the lens group electromagnetically through three steel balls. But technology must evolve. Previously, the heavy magnet was positioned near the lens element and worked very well in this placement. In the new VC (Vibration Compensation) mechanism, we've reversed the positioning of the magnet and connected the lens to the coils. This innovative new position thus achieves less load on the drive and combined with lighter coils, contributes to a lighter, more efficient lens.

* VC is an abbreviation for Vibration Compensation, and is also available in the 18-270mm (B003), 28-300mm (A20), 17-50mm (B005) and the 70-300mm (A005) models.



Focal length: 18mm Exposure: F/4 1/10 sec
With VC, the photographer can shoot at a shutter speed up to four stops slower.





A new perspective, or a few. How to use your new B008 high-power zoom.

18-270mm F/3.5-6.3 Di II VC PZD For Canon, Nikon
18-270mm F/3.5-6.3 Di II PZD For Sony
(Model B008) Di (Digitally Integrated) II lenses exclusive for APS-C size digital SLRs, with flower-shaped lens hood.

Wide or Telephoto: find new perspectives.



Focal length: 65mm (equivalent to 101mm) Exposure: F/5.6 1/4000 sec ISO800 WB: Auto Handheld

Telephoto—close-ups without being up-close

So far but so very near. The telephoto end brings distant subjects close. As opposed to the wide angle end, the telephoto side results in images with backgrounds that are larger – a telescopic effect with a flatter perspective. It allows the photographer to express their aim and offers an excellent option for conveying flat images such as a field of flowers, a group of skyscrapers, or a mountain range.



Focal length: 270mm (equivalent to 419mm) Exposure: F/6.3 1/1600 sec ISO500 WB: Auto Handheld

Blurring effects for eye-catching shots

Separate your subject from the rest of the world. Creative blurring effects with the longer focal length deliver powerful shots and are the signature of SLR cameras. Achieve even more emphasis on the subject, more blurring of the background, by opening the aperture and moving closer. The longer the focal distance, or the longer the zoom, the more drastic the blurring. Remember: maximum aperture, telephoto side, and moving in as close as you can will deliver the best blurring effects.

Dynamic wide shots



Focal length: 30mm (equivalent to 47mm) Exposure: F/5.6 1/1250 sec ISO320 WB: Auto Handheld

Expansive, creative, and extreme. At the wide angle end, the 18-270mm, with its 15x zoom, delivers an enhanced foreground and a diminutive background for an exaggerated sense of perspective. An excellent choice when trying to include a background in a shot or when shooting indoors.

From a distance, naturally



Focal length: 168mm (equivalent to 260mm) Exposure: F/7.1 1/400 sec ISO800 WB: Auto Handheld

Capture subjects in a truly natural environment. At 270mm, or 419mm in the 35mm format, this ultra-telephoto zoom captures natural expressions and scenes from a distance. The 18-270mm also boasts Tamron's very own VC (Vibration Compensation), giving the photographer the powerful advantage of handheld photography even in the telephoto end of the lens. Telephoto camera-shake is a thing of the past when the 18-270mm is in your hands.

The same scene, different perspectives

No other lens gives the photographer the diversity to experiment like the 18-270mm. Try the same scene at any focal length. Use the wide angle for open, expansive shots, and then try it again in telephoto for a tight close-up. Without limitations, the photographer truly becomes the master of creativity.



Focal length: 18mm (equivalent to 28mm) Exposure: F/13 1/500 sec ISO500 WB: Auto Handheld



Focal length: 142mm (equivalent to 220mm) Exposure: F/10 1/640 sec ISO500 WB: Auto Handheld

A powerful, wide range.

15X ZOOM

270mm



Focal length: 270mm (equivalent to 419mm) Exposure: F/8 1/500 sec ISO640 WB: Auto Handheld

18mm



Focal length: 18mm (equivalent to 28mm) Exposure: F/11 1/400 sec ISO640 WB: Auto Handheld

So far but so very near. The full power of 15x zoom

The 18-270mm offers the photographer the full power of 15x zoom. Shoot even distant subjects as close-ups by zooming through the telephoto end of this powerful lens.

Shots of moving objects, easier than ever.



Focal length: 84mm (equivalent to 130mm) Exposure: F/5.6 1/1000 sec ISO500 WB: Auto Handheld

Approach motion like never before

This lens sports Tamron's first standing wave ultrasonic motor system, PZD (Piezo Drive) for smooth autofocus. Whether you are shooting in the wilderness or on the speedway, the PZD (Piezo Drive) will deliver a smooth focusing experience.

PZD

Piezo Drive

Smooth consistent shots
with PZD (Piezo Drive).



Focal length: 218mm (equivalent to 338mm) Exposure: F/5.6 1/1250 sec ISO320 WB: Auto Handheld



Focal length: 50mm (equivalent to 78mm) Exposure: F/8 1/500 sec ISO500 WB: Auto Handheld

Moving subjects have never been easier

The 18-270mm's fast shutter speed captures images of moving subjects instantaneously, and its 15x zoom makes shooting life in motion easy. With a maximum aperture of F/3.5 at the wide angle end and F/6.3 at the telephoto, this lens delivers the brightness and fast shutter speed one expects from an SLR camera.

Image stabilization, shoot like a pro.

VC

Vibration Compensation

Add 4 stops to your shutter speed.

Steady as it goes

In low-light settings, blurring from handheld shooting can be a big concern. But the 18-270mm delivers clean shots with the help of Tamron's very own VC (Vibration Compensation). Handheld photography, even in settings requiring a slow shutter speed, such as evening or indoor settings, has never been easier or more enjoyable.



Focal length: 30mm (equivalent to 47mm) Exposure: F/25 1/8 sec ISO100 WB: Auto Handheld



Focal length: 42mm (equivalent to 65mm) Exposure: F/4 1/20 sec ISO1250 WB: Auto Handheld

Greater opportunities

Shots of moving objects, such as rivers or waterfalls, when taken with slower shutter speeds have completely different moods than shots with faster shutter speeds. With VC (Vibration Compensation), you have the freedom to shoot at slower shutter speeds without the cumbersome burden of a tripod. VC (Vibration Compensation), Tamron's own dedicated image stabilization, offers a stable viewfinder image not only making it easy to track and shoot but also to expand your creativity.

Expand your photographic horizons.



Focal length: 270mm (equivalent to 419mm) Exposure: F/6.3 1/800 sec ISO500 WB: Auto Handheld

Befriend light

Light is your medium. Understand light and how it changes your photographs. The strength of direct light will bring your subject out clearly and distinctly. A backlit photograph, lit from behind, creates a softer mood and is excellent for photographs when you want to create a mood.

Vertical or horizontal?

See what happens when you turn the camera to a vertical position instead of the standard horizontal. Take photos of a subject from both positions, and watch what happens to the scene and tone of the picture. It's always good practice to experiment with the vertical position as well as the horizontal.

Ask your subject to try different eyelines

Experiment with your subject's eyeline. Have them look away to put emphasis on atmosphere and the emotional subtleties of the scene, changing the tone of the photograph. Try having your subject looking at the camera to create a dialogue between the subject and the person viewing the photo.



Focal length: 218mm (equivalent to 338mm) Exposure: F/5.6 1/2500 sec ISO640 WB: Auto Handheld



Focal length: 270mm (equivalent to 419mm) Exposure: F/10 1/640 sec ISO320 WB: Auto Handheld



Focal length: 184mm (equivalent to 285mm) Exposure: F/10 1/800 sec ISO800 WB: Auto Handheld



Focal length: 168mm (equivalent to 260mm) Exposure: F/9 1/640 sec ISO500 WB: Auto Handheld



Focal length: 100mm (equivalent to 155mm) Exposure: F/16 1/1000 sec ISO800 WB: Auto Handheld



Focal length: 42mm (equivalent to 65mm) Exposure: F/9 1/320 sec ISO800 WB: Auto Handheld



Focal length: 270mm (equivalent to 419mm) Exposure: F/9 1/640 sec ISO800 WB: Auto Handheld

Take different shots of your favorite subject

Experiment. Try zooming in and out changing the focal length. Adjust the exposure or the camera angle. Use different means to capture the same shot, see how it changes the tone of your photograph and offers choices of more interesting shots. It's also the best way to hone your photographic skills to move to a new level of photography.

Compact and easy to carry.

Compact

Make a big impression with the infinitely small.

Macro

Minimum focusing distance of 0.49m.



Focal length: 270mm (equivalent to 419mm) Exposure: F/13 1/1000 sec ISO800 WB: Auto Handheld



Focal length: 218mm (equivalent to 338mm) Exposure: F/11 1/1000 sec ISO800 WB: Auto Handheld

Macro shots

Moving in close and showing the beauty of the ever-so-small is one of the most gratifying aspects of photography. The minimum focusing distance of the 18-270mm is 0.49m, so move in close and use it as a macro lens to bring new life to your photographs. Whether you shoot flowers on the trail or epicurean delights at your favorite restaurant, you will have the power to show the world a new perspective. The added advantage of VC (Vibration Compensation) delivers excellent handheld photographs without the camera shake so common with close-up shots.



Focal length: 18mm (equivalent to 28mm) Exposure: F/22 1/250 sec ISO500 WB: Auto Handheld

Absolute photographic freedom

Minimum focus distance of 0.49m (19.3 in) over the zoom range, with macro capability to 1:3.8.

Designed exclusively for APS-C sized digital SLR cameras, this all-in-one zoom covers every angle. Its minimum focal distance of 0.49m (19.3 in) through the entire zoom range and macro capability to 1:3.8 allows you to enjoy serious, high-quality macro photography with unaccustomed convenience. With an optical system designed exclusively for optimum performance on digital SLR cameras with APS-C size image sensors, the angular coverage range of this lens is impressive. And even though it has built-in VC (Vibration Compensation), it still delivers a close minimum focus across the entire zoom range. From macro to telephoto this is a lens worthy of your creativity. Light, compact, smooth, and accurate at every angle.

* APS-C size image sensors are smaller than the 35mm film format. This lens can produce full-screen images of almost the same scale (approx. 8cm x approx. 5.5cm) as those taken with a 35mm format camera with a lens of maximum zoom ratio of 1:2.5.

Cleaner, crisper images without flare or ghosting.

The new BBAR (Broad-Band Anti-Reflection) coatings reduce the lens reflection and dispersion that cause ghosting and flare. The coatings enhance light transmission in both the short and long wavelength ranges, ensuring excellent performance in all photographic conditions. Additionally, internal surface coatings are applied to cemented surfaces of all lens elements to deliver sharp, high-contrast images and flawless color reproduction.

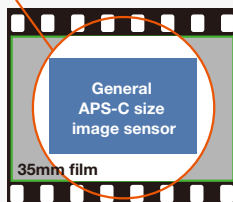


Designed exclusively for digital SLR cameras with APS-C size image sensors.

Tamron's Di II lens series has been designed exclusively for use on digital SLR cameras with APS-C size image sensors that are somewhat smaller than the 35mm film format. By employing an optical design optimized for the APS-C-format image circle, the lens has been kept remarkably compact and lightweight for maximum portability, while at the same time incorporating groundbreaking specs in a flexible, user-friendly focal-length range.

* When attached to a 35mm format camera, peripheral areas of the image will be dark (vignetting will occur). Please note that this lens is not designed for use on 35mm film cameras or digital SLR cameras with image sensors larger than the APS-C size.

Image circle of lens exclusively for APS-C size sensors on digital cameras.



The image circle of an APS-C size sensor is not able to cover the entire area of 35mm film.



For this reason, when a lens exclusively for digital APS-C size sensors is used on a 35mm format camera, vignetting may occur, as demonstrated in the photograph above (photograph is an image).

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

B08-EG-113-I-1108-0000

TAMRON®

Manufacturer of precise and sophisticated optical products for a broad range of industries.



November 2010 marks Tamron's 60th anniversary.

TAMRON CO., LTD.

1385, Hasunuma, Minuma-ku, Saitama-shi, Saitama 337-8556 JAPAN
Tel. +81(48) 684-9339 Fax. +81(48) 684-9349
Website <http://www.tamron.co.jp/en>



Quality Assurance Activities: At Tamron, quality management activities are performed in compliance with ISO9001:2000 not only to assure product quality but to enhance customer satisfaction.

Environmental Protection: We recognize the significance of our social responsibilities. Tamron promotes corporate activities that protect the earth's environment through the establishment of a quality assurance system that is compliant with ISO14001.