

18-270mm F/3.5-6.3 Di II VC PZD (Model B008) with 5-year warranty¹

Tamron announces a 60th Anniversary Model: the world's lightest, smallest 15x zoom lens², with Tamron's first PZD³ autofocus

The **18-270mm F/3.5-6.3 Di II VC PZD (Model B008)** is yet another groundbreaking lens: the world's most compact, lightweight lens with a 15x zoom ratio², featuring a 62mm filter diameter, VC (Vibration Compensation) image stabilisation and Tamron's first standing wave ultrasonic motor system for SLR lenses, PZD (Piezo Drive)³.

This ultra-high-power zoom lens for digital SLRs with APS-C sized sensors is being introduced in Canon and Nikon mounts, shortly followed by the development of a Sony⁴-compatible mount.

The **18-270mm F/3.5-6.3 Di II VC PZD (Model B008)** is an astonishingly light, compact ultra-high-power zoom lens with a filter diameter of 62mm. Weighing in at just 450g, this new all-in-one zoom lens is equipped with an AF unit driven by Tamron's new PZD (Piezo Drive)³, an ultrasonic motor that delivers faster, quieter autofocus.

Easy to use and highly portable, the extreme zoom power of 15x offers the versatility of shooting in a wide variety of situations. Its extensive zoom range of 18-270mm positions the lens as an all-purpose workhorse for the photo-enthusiast and traveller.

Product features

- The **18-270mm F/3.5-6.3 Di II VC PZD** boasts the world's highest zoom range at 15x magnification for a lens of its compact size and light weight², with the added value of Tamron's proprietary VC (Vibration Compensation) image stabilisation. Measuring 88mm from mount face to the tip of the lens, and 74.4mm in diameter with a filter diameter of 62mm – and weighing in at just 450 grams – it's a remarkably compact, easy-to-carry lens.
- Silent, high-speed autofocus in a compact lens due to the incorporation of Tamron's new PZD (Piezo Drive)³ autofocus technology
- This lens has a minimum focusing distance of 0.49m throughout the zoom range and a maximum magnification ratio of 1:3.8.

1. Australian warranty only, for all Tamron Model B008 lenses purchased at retailers buying from Maxwell International Australia on or before 31 August 2011. The extended warranty must be activated at www.tamron.com.au/5yearwarranty to be effective.

2. For SLR camera high-zoom-ratio lenses with 15x magnification capability as of December 2010.

3. PZD (Piezo Drive) is a standing wave ultrasonic motor system developed by Tamron. The motor is faster and quieter than DC motors when the AF drive is operated, and compared with arc-type ultrasonic motors, it has an actuator that facilitates lens design and reduced size.

4. The Sony mount is not equipped with the VC image stabilisation as Sony digital SLRs have image stabilisation built-in. The Tamron B008 with a Sony mount is referred to as the **18-270mm F/3.5-6.3 Di II PZD**.

This image and more are downloadable at print resolution from <http://highres.maxwell.com.au/tamron>



Specifications*

Model number	B008
Focal length	18-270mm
Maximum aperture	F/3.5-6.3
Angle of view	75°33' to 5°55'
Lens construction	16 elements in 13 groups
Minimum focus distance	0.49m (19.3in.)
Max. magnification ratio	1:3.8 (at f=270mm: MFD 0.49m)
Filter diameter	62mm
Length from lens mount	88mm ^{1,2} (3.5in.)
Overall length	96.4mm ^{1,3} (3.8in.)
Diameter	74.4mm (2.9in.)
Weight	450g ¹ (15.9oz)
Diaphragm	7 blades
Minimum apertures	f/22-f/40
Standard accessory	Flower-shaped Lens Hood
Compatible mounts	Nikon, Canon, Sony

1. Length, entire length and weight figures are for Nikon-mount lens.

2. The distance between the mount face and the tip of the lens.

3. Entire length is the distance between the front tip of the lens and the tip of the rear protrusion.

*Specifications, appearance, functionality, etc may be changed without prior notice.

Di II (Digitally integrated design)

Di II lenses are for exclusive use with digital SLR cameras (with APS-C size sensors), with a suitably optimised optical design. These lenses cannot be used with digital SLR cameras with an image sensor larger than APS-C size, or 35mm film SLR cameras.

PZD (Piezo Drive)

Ultrasonic motors are divided into two categories depending on the method used to generate the energy that moves the drive: travelling wave motors and standing wave motors. Travelling wave motors include the ring-type ultrasonic motor used in the recently launched **Tamron 70-300mm F/4-5.6 VC USD** and other lenses. This lens employs a newer technology, the PZD (Piezo Drive), which incorporates a standing wave motor.

A standing wave ultrasonic motor utilises high-frequency voltage to extend and turn the piezoelectric (piezoceramic) element in a standing wave movement. The metal tip is the contact point of the element to the rotor, and moves in an elliptic motion from the swivelling motion of the moving element, and the friction from this motion turns the rotor. Standing wave ultrasonic motors have the distinct advantage of being smaller than their travelling wave counterparts, permitting a more compact SLR lens size.

VC (Vibration Compensation)

Tamron's VC mechanism employs a three-coil system whereby three driving coils activate the shake-compensating VC lens group electromagnetically via three steel balls. The VC lens elements are held in place only by contact with the steel balls, achieving smooth movement with little friction. This provides a stable viewfinder image with excellent tracking performance that eliminates the blur from handheld shots for cleaner, crisper shots.

New VC mechanism: the moving coil

Tamron's original VC image stabilisation mechanism utilised a moving magnet system whereby a heavy magnet was positioned near the moving VC lens element. In the new VC unit the positions of the magnet and the coil are reversed, so that the VC optical lens element is attached to the coil. The new moving coil mechanism uses a lighter coil, reducing the load on the drive system and the size of the whole unit. In turn, the new VC unit contributes to the lens' overall light weight and compact size.

New classifications for Nikon mounts

Tamron's Nikon-mount lenses featuring an internal AF have until now been designated 'N II'. Lenses using a coupler system* without an internal AF motor were designated as 'N'. As future lens introductions for Nikon will have the internal AF motor as a standard feature, Tamron has decided to simplify the designation of all Nikon-mount lenses as 'N', eliminating the 'N II' designation for future models. This change will be effective from the **18-270mm F/3.5-6.3 Di II VC PZD (Model B008)**.

The 'N'-classified lenses with coupler systems are:

- **AF55-200mm F/4-5.6 Di II (Model A15)**
- **AF28-300mm F/3.5-6.3 XR Di (Model A061)**
- **SP AF200-500mm F/5.6-6.3 Di (Model A08)**
- **SP AF180mm F/3.5 Di (Model B01)**

*Coupler systems use a shaft which connects with the AF motor built into the camera body to operate the lens.

About TAMRON Co., Ltd.

'New Eyes for Industry' is Tamron's slogan, as the company is a leading manufacturer of a comprehensive range of original optical products that contribute to many different industries. These include interchangeable lenses for SLR cameras, both digital and film; digital compact camera lenses; video camera lenses; CCTV camera lenses; automotive lenses; lenses for mobile phone cameras; and ultra-precision optical components.

Tamron exercises its rich creativity and leading-edge technical prowess to make advances into a diversity of industrial fields.

Tamron is keenly aware of its environmental responsibilities and aspires to preserve the environment as much as possible in all business activities.

For more information on Tamron Co., Ltd. please visit the company's website at www.tamron.com

Timelines & RRP

SKUs/Availability	Nikon	400299	Now
	Canon	400298	Now
	Sony	400302	May 2011

Australian RRP \$849

Information dated 23 February 2011

More information

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