



The EF Lens World

EF-S lenses

The EF-S lenses can be used only with EOS 30D, EOS 20D, EOS 20Da,
EOS 400D DIGITAL, EOS 350D DIGITAL, EOS 300D DIGITAL.
(as of September 2006)

EF-S 60mm

Macro lens
Exclusively for EF-S compatible SLR cameras



EF-S 60mm f/2.8 Macro USM • 1/60sec. • f/11

Portraying nature's tiny universe resplendent with plants and insects. A medium telephoto macro lens covering the range from life-size macro photography to distant scenic vistas.

The allure of a macro lens is being able to capture the drama of the beautiful forms and creatures of nature close-up, while also vividly and beautifully portraying their vibrant colours and diverse patterns brimming with life. With its generous working distance, i.e., the distance from the front the lens to the object being photographed, a medium telephoto macro lens is not only useful for macro shots, but also exhibits particular strength in shooting of fast-moving insects such as butterflies and dragonflies. At life-size (1:1), photographing flower pistils or water droplets in focus at maximum aperture reduces the depth of field, and the surrounding petals and leaves are wonderfully blurred in a way unique to life-size macro photography. In addition, since a medium telephoto macro lens has the same angle of view as a normal medium telephoto lens, it produces beautiful bokeh (blur effects) in portraits and snapshots with natural perspective, and can extract a particularly interesting area of a broader landscape.

EF-S 60mm f/2.8 Macro USM *1

This is a medium telephoto macro lens for EF-S lens-compatible EOS digital SLR cameras. It has an angle of view approximately equivalent to a 96mm lens in the 35mm format, and is capable of macro photography up to life size (1:1). With an optical design utilising the advantages of the short back focus and smaller image circle of the Advanced Photo System C size imaging element, the lens achieves life-size macro photography together with lightweight compactness. Its lightweight, compact design makes it perfect for nature photography. The optical system of twelve elements in eight groups uses only environmentally friendly lead-free glass, and has inner focusing by the third group. It gives high image quality throughout the entire focusing range and a 90mm working distance, the longest in its class for life-size photography. Since the length of the lens does not change when focusing, there is no concern about the end of the lens touching the subject when focusing, allowing you to get even closer. The optical design and coating are optimised to reduce the flare and ghosts that are

prone to occur with digital cameras. The quick and quiet inner focusing and ring-type USM autofocus ensure that elusive photo opportunities are not missed when shooting insects and small animals. The lens mechanism is designed to ensure that it fits only EOS DIGITAL SLR cameras designed to take EF-S lenses. It is equipped with a special attachment indicator and protective rubber mount ring to prevent mistaken attempts to attach it to other EOS SLR cameras, and to prevent damage to the camera body.

(→ P.128 Special characteristics of EF-S lenses)

*1 Can be used only with EOS DIGITAL SLR cameras designed to take EF-S lenses.

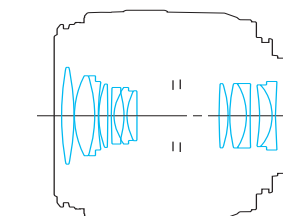
* Compatible EOS DIGITAL SLR cameras: EOS 30D, EOS 20D, EOS 20Da, EOS 400D DIGITAL, EOS 300D DIGITAL (as of September 2006)



EF-S 60mm f/2.8 Macro USM

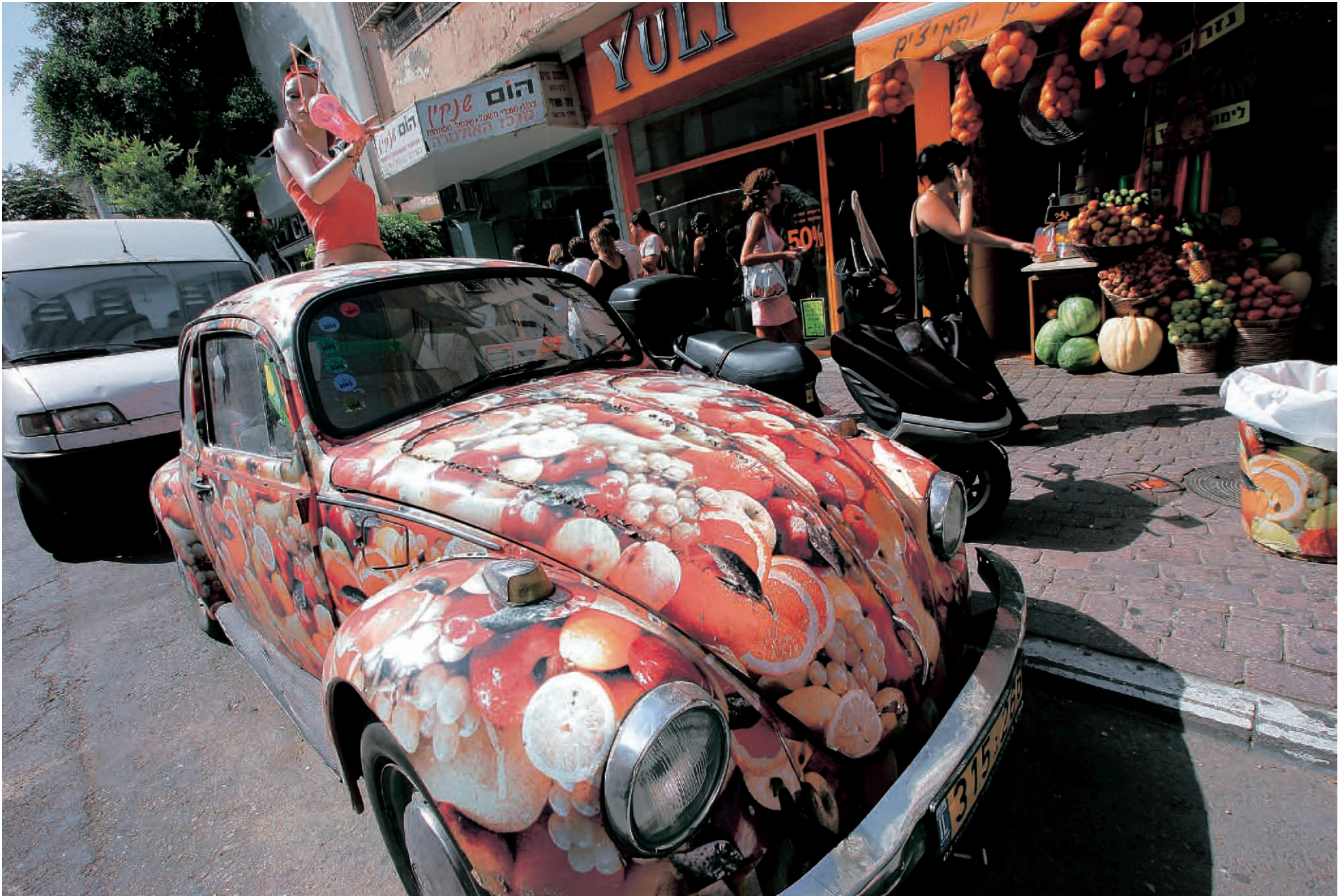
- Focal length and maximum aperture: 60mm 1:2.8
- Lens construction: 12 elements in 8 groups
- Diagonal angle of view: 24°30'
- Focus adjustment: Ring-type USM, inner focusing system, full-time manual focus
- Closest focusing distance: 0.2m/0.7ft., 1x magnification
- Filter size: 52mm
- Max. diameter x length, weight: ø 73 x 69.8mm, 335 g/2.9" x 2.7", 11.8 oz.

This macro lens can be used only with cameras designed to take EF-S lenses.
(It cannot be used with other EOS SLR cameras.)



EF-S 10-22mm

Ultra wide-angle zoom lens
Exclusively for EF-S compatible SLR cameras



EF-S 10-22mm f/3.5-4.5 USM · 1/180sec. · f/11

Ultra-wide angle EF-S zoom lens offers dramatic breadth and perspective.

Enabling truly creative composition of both portraits and scenery.

Created to meet strong demand for an ultra-wide-angle zoom in the EF-S lineup, this lens, which provides a focal length range equivalent to 16-35mm in 35mm format, is ideal for the whole range of wide-angle photography from compositions with the dramatic breadth and perspective offered by ultra-wide-angle to close-up portraits. The minimum zoom focal length of 10mm enables the shooting of images that exceed the capabilities of the human eye – breathtakingly broad vistas, and pan-focused cityscapes featuring striking juxtapositions of skyscrapers. At the maximum focal length of 22mm, the lens is a moderate wide angle, and is ideal for pictures like street snapshots or group shots at parties. The minimum focus of 0.24m enables you to crouch in a field of flowers to capture flowers in the foreground with the whole field spread out beyond in powerful perspective. Taking up little bag space, this lens is an ideal companion to standard zooms such

as the EF-S 17-55mm f/2.8 IS USM, EF-S 17-85mm f/4-5.6 IS USM, EF-S 18-55mm f/3.5-5.6 II USM or EF-S 18-55mm f/3.5-5.6 II, considerably expanding your vision.

■ EF-S 10-22mm f/3.5-4.5 USM *1

This lightweight, compact EF-S series ultra-wide-angle zoom lens is designed to take advantage of the short back focus and smaller image circle of the Advanced Photo System C size imaging element. It meets all the demands of both ultra-wide-angle zoom photography, and lightweight compactness. The optical system of thirteen elements in ten groups uses only environmentally friendly lead-free glass. Use of three aspherical lenses of two types (replica and molded glass), and one Super UD lens ensures outstanding picture quality over the entire zoom range, while the optical design and coatings have been optimised to reduce the flare and ghosts that are prone to occur with digital cameras, resulting in sharp images with excellent colour balance.

Minimum focus is a constant 0.24m over the zoom range, and the round diaphragm provides exquisite bokeh (blur effects). The internal focusing system with its ring-type USM is quick and quiet, while the full-time manual focus enables manual focusing even in autofocus mode. The lens mechanism is designed to ensure that it fits only EOS DIGITAL SLR cameras designed to take EF-S lenses, and it is equipped with a special attachment indicator and protective rubber mount ring to prevent mistaken attempts to attach it to other EOS SLR cameras, and to prevent damage to the camera body.

(→ P.128 Special characteristics of EF-S lenses)

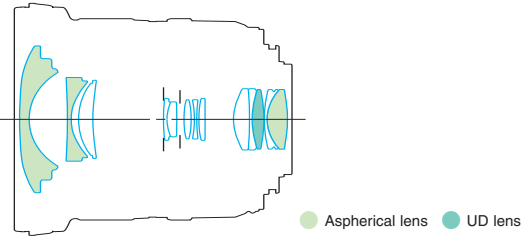
*1 Can be used only with EOS DIGITAL SLR cameras designed to take EF-S lenses.
* Compatible EOS DIGITAL SLR cameras: EOS 30D, EOS 20D, EOS 20Da/ EOS 400D DIGITAL/EOS 300D DIGITAL (as of September 2006)



EF-S 10-22mm f/3.5-4.5 USM

- Focal length and maximum aperture: 10-22mm 1:3.5-4.5
- Lens construction: 13 elements in 10 groups
- Diagonal angle of view: 107°30'–63°30'
- Focus adjustment: Ring-type USM, inner focusing system, full-time manual focus
- Closest focusing distance: 0.24 m/0.8 ft., 0.17 x magnification
- Zoom system: Rotation type
- Filter size: 77 mm
- Max. diameter x length, weight: ø 83.5 x 89.8 mm, 385 g/3.3" x 3.5", 13.6 oz.

This macro lens can be used only with cameras designed to take EF-S lenses.
(It cannot be used with other EOS SLR cameras.)



EF-S 17-55mm

Standard zoom lenses
Exclusively for EF-S compatible SLR cameras



f/2.8 aperture brightness and IS flexibility.
This EF-S large-diameter standard zoom lens satisfies the most demanding professionals.

With its Image Stabilizer and large diameter, this lens dramatically expands the scope of what can be photographed, as well as how it is expressed. Fleeting moments of natural beauty at dawn, for example, or views of city skylines at night can be beautifully captured with handheld shots. In portrait photography, the large diameter can create a shallow depth of field that sets your subject apart from the background for expressive results that are truly impressive. By freeing you from camera-shake blur and empowering you with a large maximum aperture, this flexible, high-quality standard zoom lens lets you explore infinite photographic possibilities.

■ EF-S 17-55mm f/2.8 IS USM *1

This large-aperture EF-S Series standard zoom lens features an optical system consisting of 19 lens elements in 12 groups. Three aspherical lens elements (one glass-molded and two replica surfaces) efficiently compensate for aberration fluctuations over the entire zoom range while enabling a large f/2.8 aperture and high image quality. Two UD lenses also reduce secondary chromatic aberrations to produce high-resolution, high-contrast images without colour bleeding around subject edges. The inner focus and a ring-type USM achieve silent, high-speed autofocus, while full-time manual focus override offers excellent operability by enabling users to tweak focusing without exiting the autofocus mode. Now it's easier to determine the ideal focus when shooting portrait and close-up photos with a large aperture setting. A circular aperture diaphragm contributes to beautiful background blur, and the optimised lens configuration and coating reduce the flare and ghost so common with digital cameras. This outstanding optical performance and operability is further enhanced by an Image Stabilizer that reduces the amount of camera-shake blur to roughly that of a 3 f-stop faster shutter speed.*2 Clearly, this standard zoom lens meets the stringent requirements of professionals. The lens mechanism is designed to ensure that it fits only EOS DIGITAL SLR cameras designed to take EF-S lenses, and it is equipped with a special attachment indicator and protective rubber mount ring to prevent mistaken attempts to attach it to other EOS SLR cameras, and to prevent damage to the camera body.

(→ P.128 Special characteristics of EF-S lenses)

*1 Can be used only with EOS DIGITAL SLR cameras designed to take EF-S lenses.

* Compatible EOS DIGITAL SLR cameras: EOS 30D, EOS 20D, EOS 20Da, EOS 400D DIGITAL, EOS 300D DIGITAL (as of September 2006)

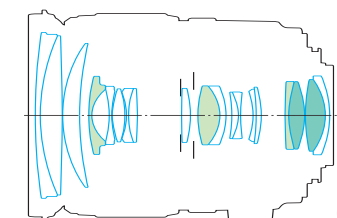
*2 Based on a shutter speed of 1/focal length x 1.6 seconds, which is considered the limit for handheld photography without image stabilization.



EF-S 17-55mm f/2.8 IS USM

- Focal length and maximum aperture: 17-55mm 1:2.8
- Lens construction: 19 elements in 12 groups ● Diagonal angle of view: 78°30' - 27°50'
- Focus adjustment: Ring-type USM, inner focusing system, full-time manual focus
- Closest focusing distance: 0.35 m/1.5 ft., 0.17 x magnification
- Zoom system: Rotation type ● Filter size: 77 mm
- Max. diameter x length, weight: ø 83.5 x 110.6 mm, 645 g/3.3" x 4.4", 1.4 lbs.

This lens can be used only with cameras designed to take EF-S lenses
(Cannot be used with other EOS SLR cameras)



● Aspherical lens ● UD lens

EF-S 17-85mm

Standard zoom lenses
Exclusively for EF-S compatible SLR cameras



A 5x zoom covering wide-angle to medium telephoto. The ideal lens for traveling light while still packing a lot of punch.

This is a highly versatile standard zoom lens for EF-S lens compatible EOS digital SLR cameras. Covering a focal length range equivalent to 27-136mm in 35mm format, and providing 5x zoom, it is the ideal lens for trips, being not only light and compact, but also serving almost all shooting needs from wide-angle scenics and groups through standard snapshots to medium telephoto portraits and action photography. You can make full use of the versatility offered by the 5x zoom to capture magnificent mountain ranges or dramatically angled shots of huge trees at the wide-angle end, or zoom to the end to put spatial perspective between subject and background and use the beautiful bokeh (blur effects) to advantage in capturing facial expressions and gestures. The image stabilizer system counters camera shake, enabling the use of available light to take naturally lit shots in many indoor and other low light conditions that would otherwise require use of flash. You can also of course use the camera's slow sync flash function and a small aperture to boost depth of field for crisp handheld wide-angle shots of family and friends that also capture sunsets or other background scenery. Combining this lens with the EF-S 10-22mm f/3.5-4.5 USM ultra wide-angle zoom lens will provide even greater versatility in subject and method of expression.

■ EF-S 17-85mm f/4-5.6 IS USM *1

This lightweight, compact EF-S series standard zoom lens is equipped with an image stabilizer, and takes advantage of the small image circle of the EF-S format to deliver 5x zooming in an amazingly compact form. The seventeen element, twelve group optical system uses only environmentally friendly lead-free glass, with a double aspherical molded glass lens as the 15th element to ensure high picture quality over the whole zoom range. The image stabilizer gives stability equivalent to about three shutter speeds*2, substantially improving handheld steadiness, and together with the high-speed ring-type USM internal autofocus, ensures that you won't miss that once-in-a-lifetime shot. The optical design and coating have been optimised to reduce the flare and ghosts that are prone to occur with digital cameras. Exquisite bokeh (blur effects) enabled by the round diaphragm, and the full-time manual focus function further expand expressive possibilities. The lens mechanism is designed to ensure that it fits only EOS DIGITAL SLR cameras designed to take EF-S lenses, and it is equipped with a special attachment indicator and protective rubber mount ring to prevent mistaken attempts to attach it to other EOS SLR cameras, and to prevent damage to the camera body.

(→ P.128 Special characteristics of EF-S lenses)

*1 Can be used only with EOS DIGITAL SLR cameras designed to take EF-S lenses.

* Compatible EOS DIGITAL SLR cameras: EOS 30D, EOS 20D, EOS 20Da, EOS 400D DIGITAL, EOS 300D DIGITAL (as of September 2006)

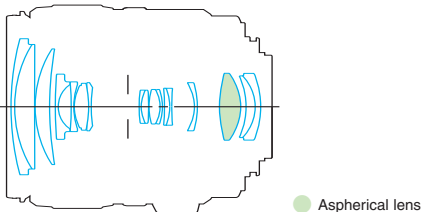
*2 Based on a shutter speed of 1/focal length x 1.6 seconds, which is considered the limit for handheld photography without image stabilization.



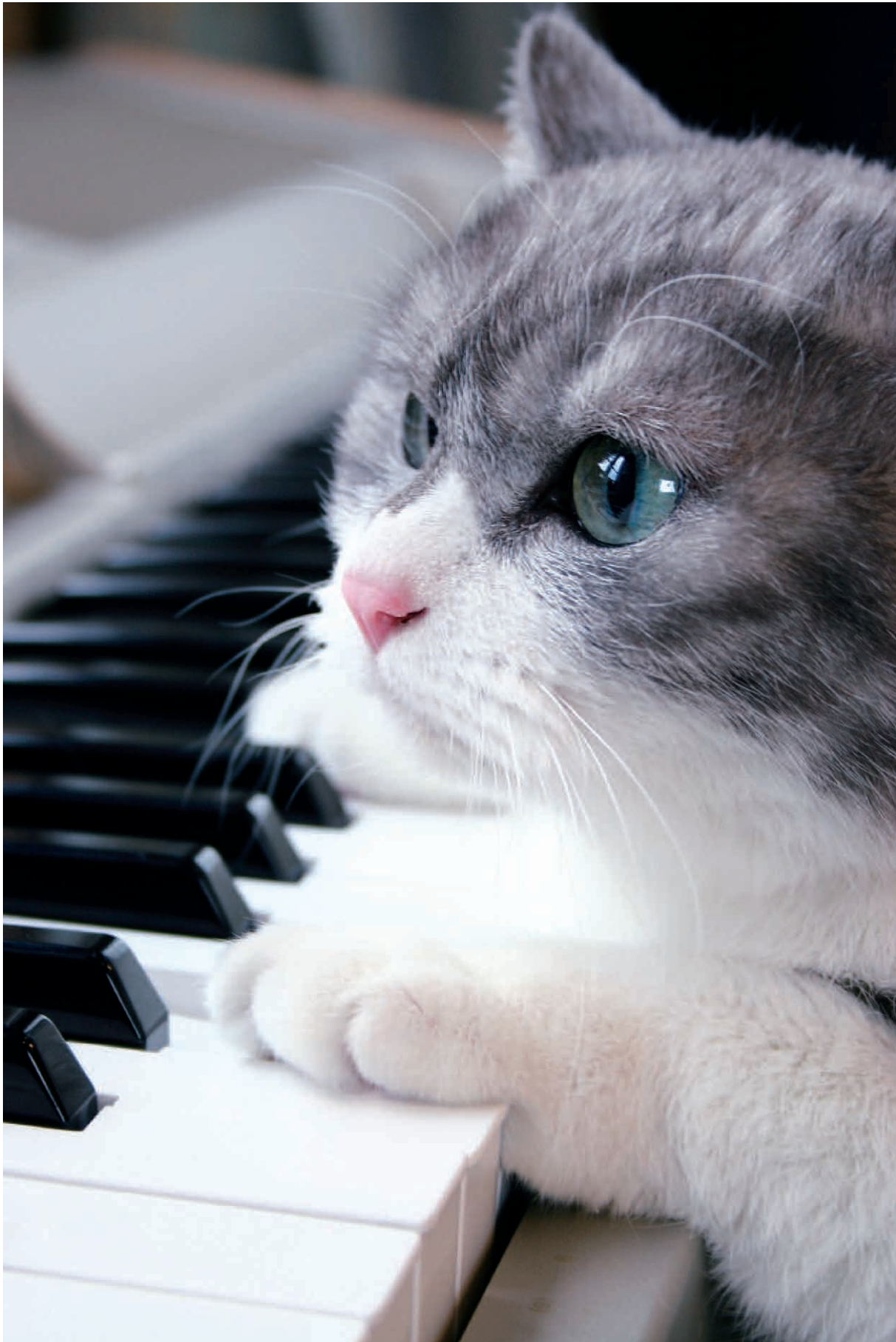
EF-S 17-85mm f/4-5.6 IS USM

- Focal length and maximum aperture: 17-85mm 1:4-5.6
- Lens construction: 17 elements in 12 groups ● Diagonal angle of view: 78°30'-18°25'
- Focus adjustment: Ring-type USM, inner focusing system, full-time manual focus
- Closest focusing distance: 0.35 m/1.2 ft., 0.2 x magnification
- Zoom system: Rotation type ● Filter size: 67 mm
- Max. diameter x length, weight: ø 78.5 x 92 mm, 475 g/3.1" x 3.6", 1 lb.

This lens can be used only with cameras designed to take EF-S lenses
(Cannot be used with other EOS SLR cameras)



EF-S 17-85mm f/4-5.6 IS USM · 1/8sec. · f/5.6



EF-S 18-55mm f/3.5-5.6 II USM ·1/30sec.·f/5.6

EF-S 18-55mm

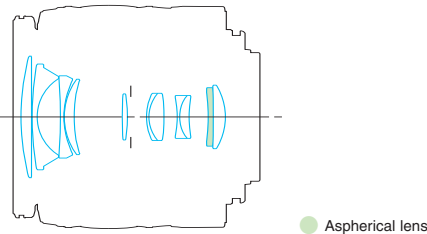
Standard zoom lenses
Exclusively for EF-S compatible SLR cameras



EF-S 18-55mm f/3.5-5.6 II USM

- Focal length and maximum aperture: 18-55 mm 1:3.5-5.6
- Lens construction: 11 elements in 9 groups ● Diagonal angle of view: 74°20'-27°50'
- Focus adjustment: Front group rotating extension system with micro USM II
- Closest focusing distance: 0.28 m/0.92 ft., 0.28 x magnification
- Zoom system: Rotation type ● Filter size: 58 mm
- Max. diameter x length, weight: ø 68.5 x 66 mm, 190 g/2.7" x 2.6", 6.7 oz.

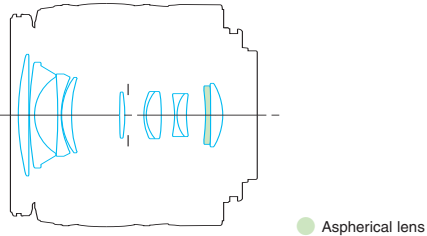
This lens can be used only with cameras designed to take EF-S lenses
(Cannot be used with other EOS SLR cameras)



EF-S 18-55mm f/3.5-5.6 II

- Focal length and maximum aperture: 18-55 mm 1:3.5-5.6
- Lens construction: 11 elements in 9 groups ● Diagonal angle of view: 74°20'-27°50'
- Focus adjustment: Front group rotating extension system with micro motor
- Closest focusing distance: 0.28 m/0.92 ft., 0.28 x magnification
- Zoom system: Rotation type ● Filter size: 58 mm
- Max. diameter x length, weight: ø 68.5 x 66 mm, 190 g/2.7" x 2.6", 6.7 oz.

This lens can be used only with cameras designed to take EF-S lenses
(Cannot be used with other EOS SLR cameras)



Standard zooms both nimble and quick.
Capture both smiles and scenery beautifully in the flash of an eye.
Developed exclusively for cameras supporting EF-S lenses, these lenses provide 3x zooming and a focal length range equivalent to 29-88mm in 35mm format. This zoom range, which is roughly equivalent to human vision, covers most photography demands from wide angle to medium telephoto. This and the compact design make these highly versatile lenses for shooting a wide variety of subjects – or the same subject in strikingly different ways. You can make use of the breadth and perspective afforded by the 18mm wide-angle at to give prominence to a person in the foreground while also including expansive background scenery, using a small aperture to boost depth of field and ensure crisp rendering across the whole field. You can then shoot a waist-up portrait of the same person at the 55mm end, which mimics the perspective afforded by the human eye when staring intently at something, and provides attractive bokeh (blur effects) that can be used to bring the person into sharp relief against the subdued background. These lenses produces beautiful results for any kind of shot, from those moments that scream “Snap it NOW!” to group shots, scenery and portraits. Combining one of these lenses with the EF-S 10-22mm f/3.5-4.5 USM ultra-wide-angle lens will provide even greater versatility in subject and method of expression.

■ **EF-S 18-55mm f/3.5-5.6 II USM *1**
This very cost-competitive standard zoom lens was developed exclusively for the EOS digital SLR cameras designed to take EF-S lenses. The short back focus optical system optimised for use with the APS-C size sensor used in these cameras and small image circle of the EF-S format has enabled the creation of an extremely compact, lightweight lens covering the most frequently used zoom range. The use of an aspherical element for the 10th element ensures high quality images over the whole zoom range, while the lens coating have been optimised to reduce the flare and ghosts that are prone to occur with digital cameras, ensuring excellent colour balance and sharpness. 0Another attraction is the exquisite bokeh (blur effects) created by the round diaphragm. The micro USM II provides very quick and quiet autofocusing – in fact, the fastest AF for its class*2. The minimum focus is 0.28m throughout the zoom range. The lens mechanism is designed to ensure that it fits only EOS DIGITAL SLR cameras designed to take EF-S lenses, and it is equipped with a special attachment indicator and protective rubber mount ring to prevent mistaken attempts to attach it to other EOS SLR cameras, and to prevent damage to the camera body.
(→ P.128 Special characteristics of EF-S lenses)

■ **EF-S 18-55mm f/3.5-5.6 II *1**
This is a lightweight, compact standard zoom lens with the same specifications and performance as the EF-S 18-55mm f/3.5-5.6 II USM, differing only in its autofocus drive. The EF-S 18-55mm f/3.5-5.6 II AF actuator is a micro motor which, combined with a high-speed microprocessor and AF algorithms designed to provide optimum AF drive according to shooting conditions, delivers superb high-speed autofocusing.
(→ P.128 Special characteristics of EF-S lenses)

*1 Can be used only with EOS DIGITAL SLR cameras designed to take EF-S lenses.
* Compatible EOS DIGITAL SLR cameras: EOS 30D, EOS 20D, EOS 20Da, EOS 400D DIGITAL, EOS 300D DIGITAL (as of September 2006)
*2 When used with the EOS 400D DIGITAL, EOS 350D DIGITAL, EOS 300D DIGITAL
* The EF-S 18-55mm f/3.5-5.6 will continue to be available in some regions. The EF-S 18-55mm f/3.5-5.6 II USM and EF-S 18-55mm f/3.5-5.6 II have some design changes from those of type I, but their optical performances remain the same.

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