Since our conception, we have always been pushing the boundaries of Speed and Comfort, as well as high image quality. Our range of EF lenses spearheaded the photography industry with world-first technologies such as the Ultrasonic Motor (USM), Image Stabilizer (IS) technology and a multilayered diffractive optical (DO) element.

Well ahead of the curve to exceed modern consumer demands, we proudly present over 93 lenses in the rich EF lens lineup – from ultra-wide-angle 8mm focal length lens, to an 800mm focal length super-telephoto lens and an EF Cinema Series lenses for video production.

As of October 2017, EF16-35mm f/2.8L III USM became the company’s 130 millionth EF-series interchangeable lens produced. This benchmark is more than just quantity. It is proof of consistent quality, and creativity centred on imaging, optics and revolutionising the development of stills, video and network mediums.

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Well ahead of the curve to exceed modern consumer demands, we proudly present over 93 lenses in the rich EF lens lineup – from ultra-wide-angle 8mm focal length lens, to an 800mm focal length super-telephoto lens and an EF Cinema Series lenses for video production.
From creating surreal effects to getting the utmost perspective from a small limited space, these lenses provide images that are all at once expressive as well as highly practical.

**EF 14mm f/2.8L II USM**
- **Type**: Ultra-wide-angle lens
- **Covering Angle**: 114°
- **Closest Focusing Distance**: 0.2m, 0.15x magnification
- **Maximum Diameter x Length**: 80 x 94mm
- **Weight**: 645g
- **Filter Size**: Rear drop-in gelatin filter holder
- **Focal Length on APS-C Size Sensor**: 22mm

**EF 20mm f/2.8 USM**
- **Type**: Ultra-wide-angle lens for serious applications
- **Diagonal Angle of View**: 94°
- **Closest Focusing Distance**: 0.25m, 0.14x magnification
- **Maximum Diameter x Length**: 77.5 x 70.6mm
- **Weight**: 405g
- **Filter Size**: 72mm
- **Focal Length on APS-C Size Sensor**: 32mm

**EF 24mm f/1.4L II USM**
- **Type**: Top-range wide-angle lens with bright aperture
- **Closest Focusing Distance**: 0.25m, 0.17x magnification
- **Maximum Diameter x Length**: 83.5 x 86.9mm
- **Weight**: 650g
- **Filter Size**: 77mm
- **Focal Length on APS-C Size Sensor**: 38mm

**EF-S 24mm f/2.8 STM**
- **Type**: Slim and lightweight pancake-style EF-S lens
- **Closest Focusing Distance**: 0.16m, 0.27x magnification
- **Maximum Diameter x Length**: 68.2 x 22.8mm
- **Weight**: 125g
- **Filter Size**: 52mm
- **Focal Length on APS-C Size Sensor**: 38mm

Wide-angle lenses generally refer to lenses with a 35mm film-equivalent focal length of 35mm or below. The shorter the focal length, the wider the angle-of-view. In fact, a wide-angle lens can capture more of the scene than what the human eye can see.

As wide-angle lenses also emphasize perspectives, nearby objects will appear bigger and faraway objects will appear smaller in the resulting image. This is part of the charm of a wide-angle lens, but at the same time, it may cause unwanted distortion in the image depending on the subject matter. The distortion effect is strong at the edges of the image, so you might want to place subjects in the center of the frame if you do not want them to appear distorted.

Wide-angle lenses also have a large depth-of-field, which makes it easy to keep focus and create an image where the entire image is in-focus. The wide angle also means that it is relatively resistant to camera shake, and therefore well-suited for photographing grand landscapes, narrow rooms, roads, and buildings.

For techniques on wide-angle lens uses, read more on [https://goo.gl/VBsb95](https://goo.gl/VBsb95).
EF24mm f/2.8 IS USM

- Lens construction: 11 elements in 9 groups
- Diagonal angle of view: 84°
- Closest focusing distance: 0.28m, 0.21x magnification
- Maximum diameter x length: 80.4 x 105.5mm
- Weight: 760g
- Filter size: 72mm
- Focal length on APS-C Size Sensor: 56mm

- Large-diameter fixed focal length lens. Works well with high-resolution cameras, especially for emphasis on details in landscapes. The new BR lens* corrects chromatic aberrations and works with the two aspherical lenses and a UD lens to maintain sharp peripheral detail.

EF35mm f/1.4L II USM

- Lens construction: 14 elements in 11 groups
- Diagonal angle of view: 63°
- Closest focusing distance: 0.28m, 0.21x magnification
- Maximum diameter x length: 77.9 x 62.6mm
- Weight: 335g
- Filter size: 67mm
- Focal length on APS-C Size Sensor: 56mm

- The optics and mechanical workings are newly designed, featuring improved image quality in the periphery region, with IS to correct camera shake as well as built-in USM for quieter, more accurate AF.

EF35mm f/1/2 IS USM

- Lens construction: 10 elements in 9 groups
- Diagonal angle of view: 75°
- Closest focusing distance: 0.23m, 0.2x magnification
- Maximum diameter x length: 56.4 x 51.5mm
- Weight: 260g
- Filter size: 58mm
- Focal length on APS-C Size Sensor: 45mm

- Compact and lightweight with built-in USM and optimised autofocus algorithms for quick yet silent focusing. A circular aperture for soft-focus images. IS mode automatically detects if user intends to take a normal or a panning shot and selects the appropriate mode for it.

EF28mm f/2.8 IS USM

- Lens construction: 9 elements in 7 groups
- Diagonal angle of view: 75°
- Closest focusing distance: 0.23m, 0.2x magnification
- Maximum diameter x length: 68.4 x 51.5mm
- Weight: 260g
- Filter size: 58mm
- Focal length on APS-C Size Sensor: 45mm

- Diminutive and lightweight lens with built-in USM and optimised autofocus algorithms for quick yet silent focusing, a 7-blade circular aperture diaphragm for beautiful background blur.

EF28mm f/1.8 USM

- Lens construction: 10 elements in 9 groups
- Diagonal angle of view: 75°
- Closest focusing distance: 0.23m, 0.2x magnification
- Maximum diameter x length: 68.4 x 51.5mm
- Weight: 350g
- Filter size: 58mm
- Focal length on APS-C Size Sensor: 45mm

- The large maximum aperture makes excellent background blur possible even with a fast shutter speed. An aspherical lens element keeps the lens compact and corrects spherical aberrations.

EF50mm f/1.8

- Lens construction: 9 elements in 7 groups
- Diagonal angle of view: 65°
- Closest focusing distance: 0.26m, 0.2x magnification
- Maximum diameter x length: 56.4 x 41.5mm
- Weight: 260g
- Filter size: 58mm
- Focal length on APS-C Size Sensor: 56mm

- It is ideal for shooting portraits, as well as for various other purposes that require high-speed shooting and light control.
Capture images which come closest to the perspective of the human eye. This means you can achieve portrait and landscape photography with the most natural angle of view and perspective with these lenses.

EF 85mm f/1.2L II USM

Maximum aperture of f/1.2, the professional’s choice for shooting without flash in low light. High-speed AF and circular aperture create shallow depth-of-field, ideal for portraits and weddings.

EF 85mm f/1.4L IS USM

This mid-telephoto lens is a mainstay in any portrait photographer’s arsenal, featuring popular 85mm prime lens lineup features up to 4-stops image stabilisation, a large, bright f/1.4 aperture, high-speed AF and advanced optical technology, all within a compact, lightweight body – perfect for shake-free handheld portraits with high image quality.

EF 100mm f/2 USM

Large aperture compact lens. USM ensures quick and quiet autofocus. Designed with portraiture in mind, this lens lends a natural soft and blurred effect to the subjects.

EF 85mm f/1.8 USM

Practical medium telephoto lens with superb delineation and portability. Front lens group does not rotate during focusing so special filter effects are not affected.

EF 85mm f/1.2L USM

Compact, lightweight 85mm prime lens with bright f/1.8 maximum aperture. Super Spectra Coating minimises flare and ghosting. Stepping Motor lets the lens focus smoothly and silently when capturing video. Excellent for everyday shots, sports, wildlife and night shooting.

EF 50mm f/1.4 USM

A fast f/1.4 aperture, f/2.8 aperture, 7-blade circular aperture and aspherical lens elements result in high level of image quality from centre to corner of image.

EF 40mm f/2.8 STM

An ultra-compact and lightweight design, with a diameter of 68.2mm, a thickness of 22.8mm and weighing 130g making it the slimmest and lightest EF lens produced. A fast f/2.8 aperture, 7-blade circular aperture and aspherical lens elements result in high level of image quality from centre to corner of image.

EF 50mm f/1.2L USM

With one of the range’s widest apertures, this lens is a top low-light performer. Ideal for controlling depth of field and shooting indoors flash free. Lens coating and construction minimise ghosting effect and flare when used with digital cameras.

EF 50mm f/1.8 STM

Standard lens offering superb quality and portability. 2 high-refraction lens elements and Gaussian optics eliminate astigmatism and suppress astigmatic difference.

EF 85mm f/1.2L II USM

Maximum aperture of f/1.2, the professional’s choice for shooting without flash in low light. High-speed AF and circular aperture create shallow depth-of-field, ideal for portraits and weddings.

EF 85mm f/1.4L IS USM

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EF 50mm f/1.8 STM

Standard lens offering superb quality and portability. 2 high-refraction lens elements and Gaussian optics eliminate astigmatism and suppress astigmatic difference.
TELEPHOTO LENSES

Telephoto lenses let you fill the frame with a subject and create a creamy background blur, all with little distortion.

Characteristics of telephoto lenses:
1. Let you “draw in” and fill the frame with subjects that are actually far away.
2. Shallow depth-of-field: Makes it easy to create background blur (background “bokeh”).
3. Narrow angle-of-view: Makes it easy to keep unwanted background elements out of the frame.
4. Perspective compression effect: Makes elements look nearer to each other.

Excellent for candid, action-driven snapshots and sports photography, its shallow depth of field allows for expressive portraits. Furthermore, it emphasizes a landscape shot’s narrow angle of view.

Techniques to try with your telephoto lens:
1. Make the background appear closer.
2. Blur the background and frame the image to make the main interest stand out.

ULTRA-WIDE / WIDE-ANGLE

For in-depth techniques on telephoto lens uses, read more on https://goo.gl/cnfZcA. Time-lapse techniques: By using a narrow field of view, you can make the moving elements of the scene appear as if they are moving slower. This can help to create a sense of space and depth in the image.

TELEPHOTO LENSES

Lightest, fastest 135mm telephoto lens in its class. Ideal for indoor sports photography and portraits with background blur. 2 UD glass elements correct secondary spectrum for outstanding sharpness and colour.

EF135mm f/2L USM

Lens construction: 10 elements in 8 groups
Diagonal angle of view: 18°
Closed focusing distance: 0.9m, 0.16x magnification
Maximum diameter x length: 84.5 x 113mm
Weight: 760g
Filter size: 72mm
Focal length on APS-C Size Sensor: 216mm

EF200mm f/2L IS USM

Circular aperture on this bright, fast telephoto lens produces a beautiful blur effect, ideal for portraits or indoor sports photography. Superior L-series optical system. Advanced Image Stabilizer and lightweight magnesium-alloy design make it ideal for handheld shooting.

Lens construction: 17 elements in 12 groups
Diagonal angle of view: 12°
Closed focusing distance: 1.9m, 0.12x magnification
Maximum diameter x length: 128 x 228mm
Weight: 2,520g
Filter size: 58mm rear drop-in type
Focal length on APS-C Size Sensor: 320mm

EF200mm f/2.8L II USM

Superior picture quality and carrying ease. With 2 UD glass elements and rear focusing to correct aberrations, image delineation is extremely sharp. Obtain natural looking background blur. Comes with a dedicated, detachable hood.

Lens construction: 17 elements in 12 groups
Diagonal angle of view: 12°
Closed focusing distance: 1.5m, 0.16x magnification
Maximum diameter x length: 60.5 x 152.2mm
Weight: 765g
Filter size: 72mm
Focal length on APS-C Size Sensor: 300mm

EF200mm f/2.8L IS USM

Large-aperture high-performance f/2.8 super-telephoto L lens with built-in Image Stabilization. Magnesium alloy body ensures structural strength and lightweight body. Highly resistant to dust and water for use under harsh environmental conditions.

Lens construction: 16 elements in 12 groups
Diagonal angle of view: 8°15'
Closed focusing distance: 2.0m, 0.18x magnification
Maximum diameter x length: 128 x 248mm
Weight: 2,350g
Filter size: 52mm rear drop-in type
Focal length on APS-C Size Sensor: 480mm

EF300mm f/4L IS USM

Superior picture quality and carrying ease. With 2 UD glass elements and rear focusing to correct aberrations, image delineation is extremely sharp. Obtain natural looking background blur. Comes with a dedicated, detachable hood.

Lens construction: 9 elements in 7 groups
Diagonal angle of view: 8°15'
Closed focusing distance: 1.5m, 0.24x magnification
Maximum diameter x length: 90 x 221mm
Weight: 1,190g
Filter size: 77mm
Focal length on APS-C Size Sensor: 480mm

EF300mm f/2.8L IS II USM

Compact L-series telephoto lens. Compensates for camera shake with a two-mode Image Stabilizer equaling 2 shutter speed steps. 2 UD lens to completely eliminate secondary spectrum.

Lens construction: 15 elements in 11 groups
Diagonal angle of view: 8°15'
Closed focusing distance: 1.8m, 0.24x magnification
Maximum diameter x length: 90 x 221mm
Weight: 1,190g
Filter size: 77mm
Focal length on APS-C Size Sensor: 480mm

EF300mm f/2.8L IS II USM

For in depth techniques on telephoto lens uses, read more on https://goo.gl/cnfZcA.
Close in to any action and highlight its dynamic movement as in sports photography. Or in the case of wildlife or nature photography, be able to shoot subjects like birds which are otherwise unapproachable.

**EF400mm f/2.8L IS II USM**

Features fluorite optics which significantly minimises chromatic aberrations, and 3 modes Image Stabilization designed specifically for high speed action photography. Sports a power focus mode, ideal for shooting video.

Lens construction: 16 elements in 12 groups
Diagonal angle of view: 6°10’
Closest focusing distance: 2.7m, 0.17x magnification
Maximum diameter x length: 163 x 343mm
Weight: 3,650g
Filter size: 52mm rear drop-in type
Focal length on APS-C Size Sensor: 640mm

**EF400mm f/4 DO IS II USM**

The successor to the EF400mm f/4 DO IS USM is a super-telephoto lens with a large-diameter aspheric lens. It also has newly-designed gapless dual-layer diffractive optical elements (DO) that improves diffraction efficiency and reduces ring-shaped diffractive flaring caused by high-intensity light sources.

Lens construction: 18 elements in 12 groups
Diagonal angle of view: 6°10’
Closest focusing distance: 3.3m, 0.13x magnification
Maximum diameter x length: 128 x 232.7mm
Weight: 2,100g
Filter size: 52mm rear drop-in type
Focal length on APS-C Size Sensor: 640mm

**EF400mm f/5.6L USM**

High performance, portable and easy to handle. 1 Super UD glass element with characteristics similar to fluorite and 1 UD glass element provide corner-to-corner sharpness. Comes with a built-in hood and a detachable tripod mount.

Lens construction: 7 elements in 6 groups
Diagonal angle of view: 6°10’
Closest focusing distance: 3.5m, 0.12x magnification
Maximum diameter x length: 90 x 256.5mm
Weight: 1,250g
Filter size: 77mm
Focal length on APS-C Size Sensor: 640mm
High level of image quality achieved by the new optics which features 2 fluorite lens elements. 3 modes Image Stabilization designed specifically for high speed action photography. With better dust and water resistance, this ultra high-performance lens has excellent durability even in the harshest environment.

- Lens construction: 16 elements in 12 groups
- Diagonal angle of view: 1° 10’
- Closest focusing distance: 6m, 0.14x magnification
- Maximum diameter x length: 163 x 461mm
- Weight: 4,500g
- Filter size: 52mm rear drop-in type
- Focal length on APS-C Size Sensor: 1,280mm

Higher level of image quality has been achieved by the new optics which features 2 fluorite lens elements. 3 modes Image Stabilization designed specifically for high speed action photography. Power Focus mode ensures smooth change in focus during movie recording. Better dust and moisture resistance boost the durability.

- Lens construction: 16 elements in 12 groups
- Diagonal angle of view: 1° 10’
- Closest focusing distance: 4.5m, 0.15x magnification
- Maximum diameter x length: 168 x 448mm
- Weight: 3,920g
- Filter size: 52mm rear drop-in type
- Focal length on APS-C Size Sensor: 960mm

800mm telephoto and Image Stabilizer: an unrivalled combination. Construction of 2 fluorite elements and 1 super UD and 1 UD element minimise colour aberrations and capture sharp, high-contrast images. Durable, lightweight. Get the perfect shot in tough conditions.

- Lens construction: 18 elements in 14 groups
- Diagonal angle of view: 1° 5’
- Closest focusing distance: 6m, 0.14x magnification
- Maximum diameter x length: 163 x 461mm
- Weight: 4,500g
- Filter size: 52mm rear drop-in type
- Focal length on APS-C Size Sensor: 1,280mm

Note: See “EF Lens Technology section” on page 40.
MACRO LENSES

The Power of 2: Double LED Macro Lites for Greater Versatility

Take astounding macro photos with Canon’s new Double LED Macro Lites feature. With multiple light-control options available, you can take astounding macro photos with Canon’s new Double LED Macro Lites feature. With multiple light-control options available, you have full flexibility to adjust the light strength from dim to bright. For greater creativity, vary the light intensity on the left or right side of your subject.

More importantly, get closer to your subjects without worrying about casting shadows on your subjects, even with short working distances.

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MACRO LENSES

Get extremely close-up views with macro lenses. Delivering balanced colour reproduction and sharpness when shooting plant and nature subjects.

**EF-S35mm f/2.8 Macro IS STM**

- This compact, great-value macro lens with its double LED Macro Lites can be individually controlled for light intensity and shadow effects. Also ideal for movie shooting, this lens is driven by an STM motor with high-speed and quiet AF.
  - Lens construction: 10 elements in 6 groups
  - Diagonal angle of view: 62° 10’
  - Closest focusing distance: 0.13m, 1x magnification
  - Maximum diameter x length: 77.7 x 123mm
  - Weight: 410g
  - Filter size: 67mm
  - Focal length on APS-C Size Sensor: 56mm

**EF-S60mm f/2.8 Macro USM**

- Featuring Canon’s Hybrid Image Stabilizer, this 100mm Macro lens delivers more advanced motion compensation, especially in macro photography where the camera is likely to shake and shift at the same time. Delivers noticeably sharper, crisper images.
  - Lens construction: 12 elements in 8 groups
  - Diagonal angle of view: 24° 30’
  - Closest focusing distance: 0.2m, 1x magnification
  - Maximum diameter x length: 73 x 118.6mm
  - Weight: 580g
  - Filter size: 52mm
  - Focal length on APS-C Size Sensor: 96mm

**EF100mm f/2.8L Macro IS USM**

- Medium telephoto lens with 1x magnification macro feature. 8 aperture blades allow good background blur even when aperture is decreased 1 to 2-stops.
  - Lens construction: 12 elements in 8 groups
  - Diagonal angle of view: 24°
  - Closest focusing distance: 0.31m, 1x magnification
  - Maximum diameter x length: 78.6 x 118.6mm
  - Weight: 625g
  - Filter size: 58mm
  - Focal length on APS-C Size Sensor: 160mm

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Scans: See “EF Lens Technology section” on page 40.
MACRO LENSES

EF180mm f/3.5L Macro USM

Telephoto macro lens with a maximum 1x magnification. Captures life-size close-ups from a further distance. Internal floating system minimises aberration fluctuations caused by focusing distance changes. Razor-sharp delineation from 1x to infinity.

Lens construction: 14 elements in 11 groups
Diagonal angle of view: 13°40'
Closest focusing distance: 0.48m, 1x magnification
Maximum diameter x length: 82.5 x 186.6mm
Weight: 1,090g
Filter size: 72mm
Focal length on APS-C Size Sensor: 288mm

MP-E65mm f/2.8 1-5x Macro Photo

Superior optics and UD glass elements suppress chromatic aberrations. Macro Ring Lite MR-14EX and Macro Twin Lite MT-24EX can be attached for flash photography. Removable tripod mount for solid support.

Lens construction: 10 elements in 8 groups
Diagonal angle of view: 18°40’ at 1x magnification
Closest focusing distance: 0.24m, 5x magnification
Maximum diameter x length: 81 x 98mm
Weight: 710g
Filter size: 58mm
Focal length on APS-C Size Sensor: 104mm

ULTRA-WIDE / WIDE ZOOM / STANDARD ZOOM LENSES

This groundbreaking zoom lens offers an astonishing 180-degree view of the world. Popular with travel, landscape, commercial, advertising and sports photography, it fulfills the creative possibility of shooting circular or breathtaking fisheye images. For the broadest view in picture, this captures a new horizon in zoom lenses.

Lens construction: 14 elements in 11 groups
Diagonal angle of view: 180° – 175°30’
Closest focusing distance: 0.24m, 0.17x magnification
Maximum diameter x length: 78.5 x 89.8mm
Weight: 540g
Filter size: Rear drop-in gelatin filter holder
Focal length on APS-C Size Sensor: 13mm – 24mm

Combining optical excellence with cutting-edge performance, this lens provides an ultra-wide angle of view in a compact, portable package. It also delivers reliable, speedy and quiet wide-angle performance, making it an ideal lens for everyday and travel photography, along with video recording.

Lens construction: 13 elements in 10 groups
Diagonal angle of view: 107°30’ – 63°30’
Closest focusing distance: 0.22m, 0.15x magnification
Maximum diameter x length: 74.6 x 72mm
Weight: 240g
Filter size: 67mm
Focal length on APS-C Size Sensor: 16mm – 29mm

Ultra wide-angle zoom lens with dynamic expressive capability for all EF-S mount EOS cameras. Exceptionally small and lightweight. With effective focal length range of approximately 16 - 35mm in APS-C format, you will discover new areas of dramatic expression.

Lens construction: 14 elements in 11 groups
Diagonal angle of view: 107°30’ – 74°20’
Closest focusing distance: 0.28m, 0.17x magnification
Maximum diameter x length: 76.5 x 83mm
Weight: 340g
Filter size: 72mm
Focal length on APS-C Size Sensor: 16mm – 28mm

Combining optical excellence with cutting-edge performance, this lens provides an ultra-wide angle of view in a compact, portable package. It also delivers reliable, speedy and quiet wide-angle performance, making it an ideal lens for everyday and travel photography, along with video recording.

Lens construction: 12 elements in 10 groups
Diagonal angle of view: 107°30’ – 63°30’
Closest focusing distance: 0.24m, 0.17x magnification
Maximum diameter x length: 74.6 x 72mm
Weight: 240g
Filter size: 67mm
Focal length on APS-C Size Sensor: 16mm – 29mm

Combining optical excellence with cutting-edge performance, this lens provides an ultra-wide angle of view in a compact, portable package. It also delivers reliable, speedy and quiet wide-angle performance, making it an ideal lens for everyday and travel photography, along with video recording.

Lens construction: 14 elements in 11 groups
Diagonal angle of view: 18°40’ at 1x magnification
Closest focusing distance: 0.24m, 5x magnification
Maximum diameter x length: 81 x 98mm
Weight: 710g
Filter size: 58mm
Focal length on APS-C Size Sensor: 104mm

Combining optical excellence with cutting-edge performance, this lens provides an ultra-wide angle of view in a compact, portable package. It also delivers reliable, speedy and quiet wide-angle performance, making it an ideal lens for everyday and travel photography, along with video recording.

Lens construction: 14 elements in 11 groups
Diagonal angle of view: 107°30’ – 74°20’
Closest focusing distance: 0.28m, 0.17x magnification
Maximum diameter x length: 76.5 x 83mm
Weight: 340g
Filter size: 72mm
Focal length on APS-C Size Sensor: 16mm – 28mm

Combining optical excellence with cutting-edge performance, this lens provides an ultra-wide angle of view in a compact, portable package. It also delivers reliable, speedy and quiet wide-angle performance, making it an ideal lens for everyday and travel photography, along with video recording.

Lens construction: 12 elements in 10 groups
Diagonal angle of view: 107°30’ – 63°30’
Closest focusing distance: 0.24m, 0.17x magnification
Maximum diameter x length: 74.6 x 72mm
Weight: 240g
Filter size: 67mm
Focal length on APS-C Size Sensor: 16mm – 29mm

Combining optical excellence with cutting-edge performance, this lens provides an ultra-wide angle of view in a compact, portable package. It also delivers reliable, speedy and quiet wide-angle performance, making it an ideal lens for everyday and travel photography, along with video recording.

Lens construction: 14 elements in 11 groups
Diagonal angle of view: 18°40’ at 1x magnification
Closest focusing distance: 0.24m, 5x magnification
Maximum diameter x length: 81 x 98mm
Weight: 710g
Filter size: 58mm
Focal length on APS-C Size Sensor: 104mm

Combining optical excellence with cutting-edge performance, this lens provides an ultra-wide angle of view in a compact, portable package. It also delivers reliable, speedy and quiet wide-angle performance, making it an ideal lens for everyday and travel photography, along with video recording.

Lens construction: 12 elements in 10 groups
Diagonal angle of view: 107°30’ – 63°30’
Closest focusing distance: 0.24m, 0.17x magnification
Maximum diameter x length: 74.6 x 72mm
Weight: 240g
Filter size: 67mm
Focal length on APS-C Size Sensor: 16mm – 29mm

Combining optical excellence with cutting-edge performance, this lens provides an ultra-wide angle of view in a compact, portable package. It also delivers reliable, speedy and quiet wide-angle performance, making it an ideal lens for everyday and travel photography, along with video recording.

Lens construction: 14 elements in 11 groups
Diagonal angle of view: 18°40’ at 1x magnification
Closest focusing distance: 0.24m, 5x magnification
Maximum diameter x length: 81 x 98mm
Weight: 710g
Filter size: 58mm
Focal length on APS-C Size Sensor: 104mm
Ultra-wide zoom lens with the widest angle in the world* delivers new photographic expressiveness, capturing high image quality across the entire image, at all ranges. Its Subwavelength Structure Coating and Air Sphere Coating effectively minimise ghosting and flare. Also layered with Fluorine Coating, dust and dirt on the lens surface can be quickly and easily removed.

Lens construction: 16 elements in 11 groups
Diagonal angle of view: 126°05′ – 84°00′
Closest focusing distance: 0.28m, 0.16x magnification
Maximum diameter x length: 108 x 132mm
Weight: 1,180g
Filter size: Rear Insert-type
Focal length on APS-C Size Sensor: 18mm – 38mm

Well suited for wide-angle shots, this large-diameter zoom lens is designed with two double-surface aspheric GMo lenses to deliver bright, quality images from the centre right to the edge of the frame. Distortion and chromatic aberration is reduced, with flaring and ghosting suppressed by Subwavelength Structure Coating (SWC) & Air Sphere Coating (ASC).

Lens construction: 16 elements in 9 groups
Diagonal angle of view: 167°30′ – 63°10′
Closest focusing distance: 0.28m, 0.16x magnification
Maximum diameter x length: 88.5 x 127.5mm
Weight: 790g
Filter size: 82mm
Focal length on APS-C Size Sensor: 26mm – 56mm

The first IS-equipped wide angle zoom in EF full-size format achieves high image quality from the centre to the peripheral areas. Its 4-stop Image Stabilizer ensures clear, sharp and expansive images, making it great for travel and general use.

Lens construction: 17 elements in 12 groups
Diagonal angle of view: 84°30′ – 18°25′
Closest focusing distance: 0.28m, 0.21x magnification
Maximum diameter x length: 81.6 x 87.5mm
Weight: 676g
Filter size: 72mm
Focal length on APS-C Size Sensor: 24mm – 136mm

Lightweight ultra wide-angle zoom lens. 3 aspherical lens elements and a Super UD glass element assure superior optical performance.

Lens construction: 16 elements in 12 groups
Diagonal angle of view: 109°10′ – 63°00′
Closest focusing distance: 0.28m, 0.25x magnification
Maximum diameter x length: 83.5 x 96.8mm
Weight: 475g
Filter size: 77mm
Focal length on APS-C Size Sensor: 27mm – 64mm

EF17-40mm f/4L USM

Lens construction:
- 12 elements in 9 groups
- Diagonal angle of view: 108°10′ – 63°10′
- Closest focusing distance: 0.28m, 0.16x magnification
- Maximum diameter x length: 88.5 x 127.5mm
- Weight: 790g
- Filter size: 82mm
- Focal length on APS-C Size Sensor: 26mm – 56mm

EF-S15-85mm f/3.5-5.6 IS USM  EF16-35mm f/4L IS USM

All-round performer for advanced amateurs. Features 5.7x zoom range, UD lenses and high-grade finishing. Image Stabilizer offers up to 4-stops advantage in shutter speed. Circular aperture delivers beautiful, soft-toned images.

EF-S18-55mm f/4-5.6 IS STM

EF-S24mm f/2.8 STM

EF16-35mm f/2.8L III USM

EF11-24mm f/4L USM

EF-S15-85mm f/3.5-5.6 IS USM

EF16-35mm f/2.8L III USM

EF17-40mm f/4L USM
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<th>Lens Model</th>
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<td>EF-S17-55mm f/2.8 IS USM</td>
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<td>0.25m, 0.34x magnification</td>
<td>68.5 x 70mm</td>
<td>200g</td>
<td>58mm</td>
<td>29mm – 88mm</td>
<td>Aspherical Lens, UD Lens, Ring-type USM, Full-time Manual Focus, Image Stabilizer, Inner Focusing System</td>
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<tr>
<td>EF-S18-55mm f/3.5-5.6 IS II</td>
<td>29mm – 88mm</td>
<td>11 elements in 9 groups</td>
<td>74°20’ – 27°50’</td>
<td>0.25m, 0.36x magnification</td>
<td>66.5 x 61.8mm</td>
<td>215g</td>
<td>58mm</td>
<td>29mm – 88mm</td>
<td>Aspherical Lens, Stepping Motor, Rear Focusing System, Full-time Manual Focus</td>
</tr>
<tr>
<td>EF-S18-55mm f/2.8 IS USM</td>
<td>27mm – 88mm</td>
<td>19 elements in 12 groups</td>
<td>78°30’ – 27°50’</td>
<td>0.25m, 0.37x magnification</td>
<td>83.5 x 110.6mm</td>
<td>645g</td>
<td>77mm</td>
<td>29mm – 88mm</td>
<td>Versatile wide-angle lens. Large f/2.8 aperture throughout the zoom range and a 3-stop Image Stabilizer offer outstanding performance and framing flexibility under low light.</td>
</tr>
<tr>
<td>EF-S18-55mm f/3.5-5.6 IS STM</td>
<td>29mm – 88mm</td>
<td>13 elements in 11 groups</td>
<td>74°20’ – 27°50’</td>
<td>0.25m, 0.36x magnification</td>
<td>69 x 75.2mm</td>
<td>205g</td>
<td>58mm</td>
<td>29mm – 88mm</td>
<td>Lightweight and compact, this zoom lens goes perfect with APS-C sensors. Focal length ranges from 29 - 88mm (35mm film equivalent), covering the semi-wide-angle and mid-telephoto angles of view common in travel and portrait photography. It is also equipped with the Stepping Motor technology for quieter AE as well as 4-stop Image Stabilizer for even better camera-shake correction.</td>
</tr>
<tr>
<td>EF-S18-55mm f/4-5.6 IS STM</td>
<td>29mm – 88mm</td>
<td>12 elements in 10 groups</td>
<td>74°20’ – 27°50’</td>
<td>0.25m, 0.36x magnification</td>
<td>76.5 x 97mm</td>
<td>170g</td>
<td>58mm</td>
<td>29mm – 88mm</td>
<td>Ideal for movie recording, its stepping motor mechanism offers smooth, speedy and quiet focusing. Dynamic IS system also has an expanded correction range, with image stabilisation equivalent to 3.5 to 4-steps of light.</td>
</tr>
</tbody>
</table>

Icons: See "EF Lens Technology section" on page 40.
A high-performance large-aperture L standard zoom lens with a wide focal-length range. Magnification-type chromatic aberration at wider angles is corrected thus achieving superior image quality. Fast yet silent autofocus, includes a full-time mechanical manual focus and a zoom lock.

**EF24-105mm f/3.5-5.6 IS STM**

- **Lens construction:** 18 elements in 13 groups
- **Diagonal angle of view:** 84° – 23°20’
- **Closest focusing distance:** 0.40m, 0.3x magnification
- **Maximum diameter x length:** 83.5 x 104mm
- **Weight:** 525g
- **Filter size:** 77mm
- **Focal length on APS-C Size Sensor:** 38mm – 168mm

2 aspherical lens elements and 2 UD lens elements allow it to achieve high resolution throughout the zoom range. Setting the zoom ring to macro at the telephoto end and allows for macro shooting up to a magnification of 0.7x. Equipped with a hybrid IS function to provide effective image stabilisation during macro shooting.

**EF24-70mm f/4L IS USM**

- **Lens construction:** 17 elements in 13 groups
- **Diagonal angle of view:** 84° – 23°20’
- **Closest focusing distance:** 0.45m, 0.24x magnification
- **Maximum diameter x length:** 83.5 x 118mm
- **Weight:** 795g
- **Filter size:** 77mm
- **Focal length on APS-C Size Sensor:** 38mm – 168mm

This lens design incorporates a lead screw-type stepping motor that provides quick, smooth, and near silent autofocus performance. This focusing mechanism pairs well with EOS cameras that feature the Movie Servo AF mode for continuous focusing performance when working in live view.

**EF24-105mm f/3.5-5.6 IS STM**

- **Lens construction:** 17 elements in 13 groups
- **Diagonal angle of view:** 84° – 23°20’
- **Closest focusing distance:** 0.40m, 0.3x magnification
- **Maximum diameter x length:** 88.5 x 113mm
- **Weight:** 805g
- **Filter size:** 82mm
- **Focal length on APS-C Size Sensor:** 38mm – 112mm

The EF24-105mm f/3.5-5.6 IS STM is a versatile standard zoom lens, covering from wide-angle to mid-telephoto shots. Brightness is improved with GMo aspherical lenses; image stabilisation is enhanced from up to 4-stops (CIPA standards) for sharper handheld shots. Its dust and drip-proof structure also enables shooting in harsh conditions, ideal for professionals and skilled amateurs on the move.

**EF24-70mm f/4L IS II USM**

- **Lens construction:** 17 elements in 12 groups
- **Diagonal angle of view:** 84° – 23°20’
- **Closest focusing distance:** 0.38m, 0.3x magnification
- **Maximum diameter x length:** 88.5 x 113mm
- **Weight:** 805g
- **Filter size:** 82mm
- **Focal length on APS-C Size Sensor:** 38mm – 112mm

Icons: See “EF Lens Technology section” on page 40.
TELEPHOTO ZOOM LENSES

Ideal for capturing dramatic landscapes, shooting sports photography or simply taking long range shots, telephoto zoom lenses deliver the action from afar, expressively and beautifully.

**EF 70-300mm f/4-5.6 IS II USM**
- **Shutter:** 1/250s
- **Aperture:** f/8
- **ISO:** 800

**EF-S 18-135mm f/3.5-5.6 IS STM**
- **Lens construction:** 16 elements in 12 groups
- **Diagonal angle of view:** 74°20’ – 11°30’
- **Closest focusing distance:** 0.39m, 0.28x magnification
- **Maximum diameter x length:** 76.6 x 96mm
- **Weight:** 480g
- **Filter size:** 67mm
- **Focal length on APS-C Size Sensor:** 29mm – 216mm
- **Quiet, smooth Movie Servo AF is achieved through a newly developed stepping motor mechanism. Dynamic IS system has an expanded correction range to ensure steady movie recording when walking.**

**EF-S 18-135mm f/3.5-5.6 IS USM**
- **Lens construction:** 16 elements in 12 groups
- **Diagonal angle of view:** 74°20’ – 11°30’
- **Closest focusing distance:** 0.39m, 0.28x magnification
- **Maximum diameter x length:** 76.6 x 96mm
- **Weight:** 515g
- **Filter size:** 67mm
- **Focal length on APS-C Size Sensor:** 29mm – 216mm
- **Highly versatile 11x zoom lens with Image Stabilizer. Compared to most high zoom ratio lenses, it produces superior-quality photos with superb sharpness over the entire image area.**

**EF-S 18-200mm f/3.5-5.6 IS**
- **Lens construction:** 16 elements in 12 groups
- **Diagonal angle of view:** 74°20’ – 7°50’
- **Closest focusing distance:** 0.45m, 0.24x magnification
- **Maximum diameter x length:** 78.6 x 102mm
- **Weight:** 595g
- **Filter size:** 72mm
- **Focal length on APS-C Size Sensor:** 29mm – 320mm
- **Highly versatile 11x zoom lens with Image Stabilizer. Compared to most high zoom ratio lenses, it produces superior-quality photos with superb sharpness over the entire image area.**

Icons: See “EF Lens Technology section” on page 40.
TELEPHOTO ZOOM LENSES

Compact and lightweight telephoto zoom lens. Quiet, smooth Movie Servo AF achieved by stepping motor system.

EF-S55-250mm f/4-5.6 IS STM

- Lens construction: 15 elements in 12 groups
- Diagonal angle of view: 27°90’ - 6°15’
- Closest focusing distance: 0.85m, 0.29x magnification
- Maximum diameter x length: 70 x 111.2mm
- Weight: 375g
- Filter size: 58mm
- Focal length on APS-C Size Sensor: 88mm – 400mm
- CIPA Standards IS Performance: 3.5

EF-S55-250mm f/4-5.6 IS STM

- Ultra-high 11x zoom range covers wide-angle to super-telephoto. For professionals looking to limit lens changes and kit weight. With Image Stabilization and quiet, high-speed autofocus, this high-spec lens delivers what others can only imagine.

EF-S24mm f/2.8 STM

- Lens construction: 23 elements in 19 groups
- Diagonal angle of view: 75° – 8°15’
- Closest focusing distance: 0.7m, 0.3x magnification
- Maximum diameter x length: 92 x 184mm
- Weight: 1,670g
- Filter size: 77mm
- Focal length on APS-C Size Sensor: 45mm – 480mm
- UD Lens
- Dust/Moisture Resistant
- Full-time Manual Focus
- Image Stabilizer
- Ring-type USM
- UD Lens
- Inner Focusing System

EF-S24mm f/2.8 STM

- An improved version of Canon’s popular f/2.8 fixed aperture telephoto zoom lens, well-known for its beautiful bokeh and low-light performance. ASC (Air Sphere Coating) in the lens optics greatly reduces the flare and ghosting common in shots with backlighting and intense direct light sources. Dust-proof and drip-proof, with fluorine coating on the first and last lens surfaces for easier maintenance.

EF-S55-250mm f/4-5.6 IS STM

- Lens construction: 18 elements in 15 groups
- Diagonal angle of view: 34° – 12°
- Closest focusing distance: 1.5m, 0.16x magnification
- Maximum diameter x length: 84.6 x 193.6mm
- Weight: 1,310g
- Filter size: 77mm
- Focal length on APS-C Size Sensor: 112mm – 320mm
- UD Lens
- Aspherical Lens
- UD Lens
- Full-time Manual Focus
- Image Stabilizer
- Inner Focusing System
- Stepping Motor

EF-S55-250mm f/4-5.6 IS STM

- A favourite among professionals, this telephoto zoom lens is comparable to a single focal length lens. 4 UD glass elements correct chromatic aberrations. Constant 1/2.8 max. aperture. Superb image quality. Extender EF 1.4x III and 2x III compatible.

EF-S24mm f/2.8 STM

- Lens construction: 23 elements in 16 groups
- Diagonal angle of view: 34° – 12°
- Closest focusing distance: 0.7m, 0.3x magnification
- Maximum diameter x length: 92 x 184mm
- Weight: 1,670g
- Filter size: 77mm
- Focal length on APS-C Size Sensor: 45mm – 480mm
- UD Lens
- Full-time Manual Focus
- Image Stabilizer
- Ring-type USM
- UD Lens
- Inner Focusing System
High-performance lightweight telephoto zoom lens with maximum 1/4 aperture. Internal focusing and ring-type USM allow quick, quiet autofocus. Circular polarizing filter can be used easily because front lens element does not rotate during focusing.

**EF70-200mm f/4L IS II USM**
- **Diagonal angle of view:** 34° – 12°
- **Closest focusing distance:** 1.2m
- **Filter diameter:** 77mm
- **Weight:** 710g
- **Maximum diameter x length:** 89 x 143mm
- **Closest focusing distance:** 0.98m, 0.31x magnification
- **Diagonal angle of view:** 24° – 6°10'
- **Lens construction:** 19 elements in 14 groups
- **Weight:** 1,570g

An improved version of Canon’s f/4 L-series fixed aperture telephoto zoom lens, popular for its light weight and compact body. It features optics optimised for higher image quality, a shorter minimum focusing distance (1m), and improved image stabilisation (up to approximately 5 stops). Dust-proof and drip-proof, with fluorine coating on the first and last lens surfaces for easier maintenance.

**EF70-300mm f/4-5.6 III USM**
- **Diagonal angle of view:** 28° – 8°15' (with Extender 1.4x)
- **Focal length:** 200mm – 800mm (with Extender 1.4x)
- **Focal length on APS-C Size Sensor:** 300mm – 1200mm
- **Filter size:** 77mm
- **Weight:** 3,620g

Versatile telephoto zoom lens with ring-type USM technology for precise, swift, and silent AF. Reduced minimal focal distance (1.2m) empowers easy adaptability to challenging environments. IS performance equivalent to approximately 4 shutter speed stops ensures sharpness at difficult. 1 fluorite and 4 UD lens elements offer excellent correction of aberration. 3-mode IS ensures clear and sharp images even when recomposing shots, panning or shooting subjects that move regularly.

**EF200-400mm f/4L IS USM Extender 1.4x**
- **Diagonal angle of view:** 12° – 6°10’ (with Extender 1.4x)
- **Focal length on APS-C Size Sensor:** 400mm – 560mm
- **Filter diameter:** 82mm
- **Weight:** 3,860g

Light, compact 4x telephoto zoom lens ideal for shooting sports, portraits and wildlife. Telephoto effect can "compress" images or give excellent background blur. The smallest and lightest in its class.

**EF100-400mm f/4.5-5.6L IS II USM**
- **Diagonal angle of view:** 29°30’ – 8°15’
- **Focal length:** 100mm – 400mm
- **Focal length on APS-C Size Sensor:** 150mm – 600mm
- **Filter size:** 58mm
- **Weight:** 3,620g

Created for Pros and advanced amateur users who demand a wide zoom range and mobility. Features Canon’s newly developed Air Sphere Coating (ASC) which helps to significantly reduce backlit flaring and ghosting.
Canon’s widest-angle tilt-shift lens, offering a diagonal angle of view of 104° on a full-frame camera. UD glass minimises chromatic aberrations while a specially coated aspherical element enhances glare-free image quality. Tilt range ±6.5°, shift range ±12mm. TS revolving system rotation angle: ±90°.

Canon’s most popular tilt-shift focal length now features enhanced functionality and image quality. With UD glass to minimise chromatic aberrations and a specially coated aspherical element, this tilt-shift lens features an angle of view of 84° on a full-frame camera. A tilt lock securely holds tilt angle in desired position. Tilt range ±8.5°, shift range ±12mm. TS revolving system rotation angle: ±90°.

Known for macro photography capabilities, this lens features overall improved operability with large tilt and shift knobs and a locking mechanism for study support during professional shoots. Distortion aberration is significantly reduced as this lens is produced with glass moulded aspherical lens elements, as well as UD lens elements that deliver high image quality and contrast. Its 9-blade circular aperture enables beautiful bokeh effects, perfect for landscape, architecture, and product photography.

This 90mm medium telephoto tilt-shift lens produces shots at high resolution and contrast from a comfortable working distance with minimum distortion and aberration. Versatile for multiple settings, its macro feature comes with magnification of up to 0.5x, making it ideal for studio product photography. Users can also expect beautiful bokeh effects with reduced ghosting and flaring.

The 135mm focal length of this tilt-shift lens allows shots to be captured from a longer working distance. Large tilt and shift knobs as well as locking mechanism improve operability during professional photo shoots. Features high resolution and contrast, beautiful bokeh effects, and reduced distortion aberration; flaring and ghosting is also minimised with the special Subwavelength Structure Coating (SWC).
This sleek and compact range of lenses is custom-crafted for the EOS M interchangeable lens camera. Just as excellent as any EF lens, these deliver astounding images with the finest details.

**EF-M12-22mm f/4.5-5.6 IS STM**

This compact, lightweight lens is ideal for landscapes. Canon’s first ultra wide-angle EF-M lens that features an Optical Image Stabilizer which allows reduced camera shake in all conditions.

- **Lens construction:** 12 elements in 9 groups
- **Diagonal angle of view:** 102°10’ – 63°30’
- **Closest focusing distance:** 0.15m, 0.3x magnification
- **Maximum diameter x length:** 40.9 x 56.2mm
- **Weight:** 220g
- **Filter size:** 55mm
- **Focal length on APS-C Sensor:** 18mm – 35mm
- **CIPA Standards IS Performance:** 3.0

**EF-M15-45mm f/3.5-6.3 IS STM**

A versatile zoom lens well-suited for everyday shots. Dynamic IS activates automatically during movie shooting to ensure steady movie recording even when walking.

- **Lens construction:** 13 elements in 11 groups
- **Diagonal angle of view:** 74°20’ – 27°50’
- **Closest focusing distance:** 0.25m, 0.25x magnification
- **Maximum diameter x length:** 40.9 x 61mm
- **Weight:** 210g
- **Filter size:** 52mm
- **Focal length on APS-C Size Sensor:** 29mm – 88mm

**EF-M18-55mm f/3.5-5.6 IS STM**

Compact zoom lens for mirrorless cameras. Barrel retracts for easy portability. Aspherical lenses and 3.5-stop image stabilisation ensure high image quality. Movie support with quick stepping motor autofocus.

- **Lens construction:** 10 elements in 9 groups
- **Diagonal angle of view:** 86°30’ – 33°40’
- **Closest focus distance:** 0.25m, 0.25x magnification
- **Maximum diameter x length:** 40.9 x 86.5mm
- **Weight:** 130g
- **Filter size:** 49mm
- **Focal length on APS-C Size Sensor:** 24mm – 72mm
- **CIPA Standards IS Performance:** 3.0

**EF-M18-150mm f/3.5-6.3 IS STM**

Presenting a high zoom ratio of approximately 8.3x, this lens is best for wide-angle landscapes and telephoto shots of distant subjects. Its high magnification of 0.31x, closest focusing distance of 0.45m at focal length of 150mm gives users a more magnified view. Aspherical lenses are positioned for optimal performance, equipping users for sharp and crisp image quality across its broad focal length.

- **Lens construction:** 17 elements in 15 groups
- **Diagonal angle of view:** 74°20’ – 10°25’
- **Closest focusing distance:** 0.25m, 0.31x magnification
- **Maximum diameter x length:** 40.9 x 86.5mm
- **Weight:** 300g
- **Filter size:** 55mm
- **Focal length on APS-C Size Sensor:** 29mm – 240mm
- **CIPA Standards IS Performance:** 3.0

*Colour availability in different regions varies.*

*Icons: See “EF Lens Technology section” on page 40.*
MIRRORLESS LENSES

EF-M22mm f/2 STM

Available colours:

A lightweight “pancake” lens. Uses 1 aspheric lens element to ensure high-quality images with high levels of image resolution and contrast in the periphery when at extreme close-up.

Lens construction: 7 elements in 6 groups
Diagonal angle of view: 63°30’
Closest focus distance: 0.15m, 0.21x magnification
Maximum diameter x length: 60.9 x 23.7mm
Weight: 145g
Filter size: 43mm
Focal length on APS-C Size Sensor: 35mm

EF-M28mm f/3.5 Macro IS STM

Available colours:

This macro lens is capable of shooting at magnifications greater than life-size (1:1) on the 1.2x super macro mode. It isalso Canon’s first EF-M lens with a built-in Macro Lite for flexible adjustment of light direction and strength. Photographers can also look forward to better quality handheld macro shots, with Hybrid IS camera shake correction.

Lens construction: 11 elements in 10 groups
Diagonal angle of view: 62°33’
Closest focus distance: 0.15m, 1.2x magnification
Maximum diameter x length: 60.9 x 48.5mm
Weight: 130g
Filter size: 43mm
Focal length on APS-C Size Sensor: 45mm

EF-S24mm f/2.8 STM

Delivering high quality images, the first IS equipped EF-M telephoto zoom lens is also compact and lightweight. With Continuous AF tracking for ideal quiet movie and still photo shooting.

Lens construction: 17 elements in 11 groups
Diagonal angle of view: 27°50’ – 7°50’
Closest focus distance: 1.0m, 0.21x magnification
Maximum diameter x length: 60.9 x 86.5mm
Weight: 260g
Filter size: 52mm
Focal length on APS-C Size Sensor: 88mm – 320mm

EF-M55-200mm f/4.5-6.3 IS STM

Delivering high quality images, the first IS equipped EF-M telephoto zoom lens is also compact and lightweight. With Continuous AF tracking for ideal quiet movie and still photo shooting.

Lens construction: 17 elements in 11 groups
Diagonal angle of view: 27°50’ – 7°50’
Closest focus distance: 1.0m, 0.21x magnification
Maximum diameter x length: 60.9 x 86.5mm
Weight: 260g
Filter size: 52mm
Focal length on APS-C Size Sensor: 88mm – 320mm

ARCHITECTURE PHOTOGRAPHY

You love travelling to cities that boast architecture with a deep history, you enjoy. Roving through stony alleys and immersing yourself within a hundred-year-old cathedral. You need a versatile lens that takes wide shots of the architecture’s anterior and interior to showcase as much beauty as your eyes can see.

The lens you need

EF-M55-200mm f/4.5-6.3 IS STM

Why?

With its wide angle lens, you will be able to frame your shot without having to stand too far away. The zoom capability gives you the versatility to capture distant architectural subjects.

WILDLIFE PHOTOGRAPHY

Easing from the city and venturing into the wild is one of your favourite pastimes. You enjoy spending time capturing the beautiful blossoms of flowers, and photographing wildlife brings you immense satisfaction.

The lens you need

EF-S24mm f/2.8 STM

Why?

It is important to get close-up details of wild animals without disturbing them or revealing your presence. This telephoto zoom lens allows you to do so by zooming a good distance to capture your subjects.

FOOD PHOTOGRAPHY

You live to eat and food is as much a passion as your photography. You never miss an opportunity to photograph a dish presented to you, and you don’t start eating until you get an amazing shot of your food.

The lens you need

EF-M22mm f/2 STM

Why?

With an f/2 aperture, you can create a smooth and beautiful background blur while maintaining a sharp focus on your subject. In addition, it is ultra slim and lightweight, and works well under low light conditions.

MIRRORLESS CAMERA LENSES: WHICH ONE SUITS ME?

You have a mirrorless camera, but would you know which camera lens is best suited for you? From travel, food, to wildlife photography, we break them down and help you find the best lenses for your photography interests.

These glass-backed holders accept up to 3 commercial cut-to-size gelatin filters.

Available size: 52mm, 52mm (WII)
Compatible with:
• 52mm: EF200mm f/2L IS USM, EF300mm f/2.8L USM, EF400mm f/2.8L IS USM, EF500mm f/4L IS USM, EF600mm f/4L IS USM, EF800mm f/5.6L IS USM
• 52mm (WII): EF300mm f/2.8L IS II USM, EF400mm f/4 DO IS II USM, EF500mm f/4L IS II USM, EF600mm f/4L IS II USM, EF800mm f/5.6L IS USM

A holder for screw-type filters, for use with rear mounted drop-in filters.

Available size: 52mm, 52mm (WII)
Compatible with:
• 52mm: EF200mm f/2L IS USM, EF300mm f/2.8L IS USM, EF400mm f/2.8L IS USM, EF500mm f/4L IS USM, EF600mm f/4L IS USM, EF800mm f/5.6L IS USM
• 52mm (WII): EF300mm f/2.8L IS II USM, EF400mm f/4 DO IS II USM, EF500mm f/4L IS II USM, EF600mm f/4L IS II USM, EF800mm f/5.6L IS USM

Optimising the overall performance of your lens.

Coating, light transmission is significantly improved.

For use with black-and-white and colour film, these filters reduce the amount of light entering the lens to 1/4 (2 f/stops) and 1/8 (3 f/stops) the original level, respectively. Invaluable for large-aperture and slow shutter-speed photography.

Available size: 52mm, 58mm, 72mm, 77mm, 82mm

This cap protects your EF/EF-S lenses against smudges, bumps, and dust. It is also useful when you are carrying your lenses around or for storing purpose.

Compatible with:
52mm, 52mm (WII)

Available size:
52mm 52mm (WII)52mm 52mm (WII)

Lens hoods shield your lenses from stray light, preventing glare under sunny conditions.

This neutral filter maintains ideal colour balance while protecting your valuable lens. With added Multilayer Coating, light transmission is significantly improved. Optimising the overall performance of your lens.

Available size: 43mm, 49mm, 52mm, 55mm, 58mm, 67mm, 72mm, 77mm, 82mm

Protect Filter

This cap protects your EF-M lenses against smudges, bumps, and dust. It is also useful when you are carrying your lenses around or for storing purpose.

This cap protects your EF/EF-S lenses against smudges, bumps, and dust. It is also useful when you are carrying your lenses around or for storing purpose.

Lens Dust Cap EB

Lens Dust Cap E
These functional, strong and well-designed cases protect valuable lenses while they are being moved.

**Lens Case**
- Lens Case 200, Lens Case 200-400, Lens Case 300, Lens Case 300-400, Lens Case 400, Lens Case 500, Lens Case 500-700, Lens Case 600, Lens Case 800

- **Weight:** 110 g
- **Maximum diameter x length:** 66.6 x 26.0 mm

- The functions of EF/EF-S lenses are retained when mounted onto the EOS M via the Mount Adapter EF-EOS M. Canon PZ-E1 is a detachable lens zoom adapter that delivers silent and incredibly smooth zoom.

- **Canon EOS M**
- Designed for Canon EOS M interchangeable-lens cameras. Canon EF and EF-S lenses can still be attached to EOS M cameras using the EF-EOS M adapter.

- MP-E lens specialises in macro photography from life-size to 5x magnification.

- Canon PZ-E1 is a detachable lens zoom adapter that delivers silent and incredibly smooth zoom.

- As the first Canon-branded microphone for the EOS system, the DM-E1 stereo (90°/120° mode) enables wider coverage for optimised ambient sound quality that is ideal in any scenario. Noise is also reduced with a durable shock mount design as well as added Wind Screen to minimise sounds from the wind.

- Tripod mounts allow the lens to be fitted directly to a tripod, thereby providing better balance especially when using heavier or longer lenses. They also offer stability and smooth rotation with excellent operability making each shot steadier and photos sharper.

- These close-up accessories with 8 electronic contact points ensure the same electronic function as in normal photography. Magnification varies by lens.

- LE SPECIFICATION

**Lens Cap**

- **Cloth Lens Cap**
- E-145C, E-163, E-163B, E-180D, E-185, E-185B

- **Lens Pouch**
- LP11, LP11-14, LP11-25, LP21, LP22, LP24, LP25, LP29, LP31, LP33, LP34

- **Extension Tube EF12 II/25 II/M set**

- **Life Size Converter EF**

- **Mount Adapter EF-EOS M**

- **PZ-E1 Power Zoom Adapter**

- **DM-E1 Stereo Microphone**

- **LENS ACCESSORIES**

- **Tripod Mount Ring**

- **LENS CASES**

- **SPECIFICATION**

- **EF LENS GLOSSARY**

- **Camera Modes**

- **Aperture**

- **Shutter Speed**

- **White Balance**

Every Canon lens is a combination of innovations and technologies. Read on to find out what each component stands for, what it offers and how it suits your photography needs.

**Example**

**EF70-200mm f/2.8L IS II USM**

EF mount is an electric mount system that electronically connects a Canon EF lens to a Canon EOS camera body. This connection allows the swift transmission and exchange of data that controls various functions – from automatic focusing to metering.

Lens focal length may vary according to the camera sensor size. For example, the EF100mm f/2 USM has a focal length of approximately 160mm when attached to an EOS DSLR with an APS-C Size CMOS Sensor.

**EF-S**: A derivative of the EF lens mount, EF-S mounts are for EOS DSLRs with APS-C Size CMOS Sensor. The functions of EF/EF-S lenses are retained when mounted onto the EOS M via the Mount Adapter EF-EOS M with no compromise in image quality. AF speed and IS effectiveness.

**Maximum diameter x length:** 66.6 x 28.0 mm
**Weight:** 110 g
Example

**TS-E 24mm f/3.5L II**

Also known as Perspective Control lenses. Tilt and Shift (TS-E) allow you to control perspective appearance.

Tilt adjustments control the area of an image that appears sharp—allowing selective focus area within the image in any direction. Shift movements give users control on the degree of distortion that occurs in architectural photography. Without moving the camera, it corrects distortion by making the image appear like it was captured from a higher position, making it the photographers’ ideal choice for capturing high-rise buildings.

**Tilt:** Using tilt movement to focus an oblique subject plane.

Shift: Using shift movement to focus tall building.

Example

**EF70-200mm f/2.8L III USM**

Maximum lens aperture. The bigger the f/ number, the smaller the lens aperture, so less light passes through.

If the lens shows one number e.g. f/2, this means the lens aperture remains constant even when the focal length changes during zooming. If it shows a range of numbers e.g. f/2.8 – 4.0, the lens aperture changes along with the focal length during zooming. The depth of field can be made shallower by decreasing the photographing distance or having a large aperture (a smaller f-stop number e.g. f/1.2). It can be deepened by doing the reverse.

Example

**EF70-200mm f/2.8L IS III USM**

The smaller the number, the wider the angle of view. Thus, 70mm has wider angle of view than 200mm.

**Focal Lengths:** These photographs show how the same location can appear at different focal lengths. A shorter focal length offers wider scene coverage; a longer focal length, the opposite. Remembering the degree of change for the lenses without looking in the viewfinder can be useful when selecting a lens.

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**EF LENS GLOSSARY**

ACCESSORIES

SPECIFICATION

SPEEDLITE

TECHNOLOGY

EF LENSES
Example

**EF70-200mm f/2.8L IS III USM**

A lens with an “IS” marking features Image Stabilizer.

Using shutter speed as fast as the reciprocal focal length of the lens is often recommended to achieve clear and sharp images. However, dimly-lit environments where a slow shutter speed is required can result in blurred images for handheld shots.

With Image Stabilizer (IS) technology, gyro sensors detect lens vibration caused by hand shake and then automatically compensates for these movements. EF lenses with IS technology enable steady shooting up to 4 shutter stops lower than possible on conventional lenses. The EF200mm f/2L IS USM boasts blur correction up to 5 shutter stops (based on Canon standards) so photographers can perform handheld photography even in low-light environments. The IS unit also stabilises image seen through the viewfinder to achieve precise framing and focusing.

Example

**EF70-200mm f/2.8L IS III USM**

In this case, the ‘II’ indicates that this is the second and improved version of its predecessor.

Example

**EF70-200mm f/2.8L IS III USM**

Ultrasonic motor (USM) lenses convert ultrasonic vibration energy into rotational force for driving the lens. Autofocusing on USM lenses is fast and precise while consuming minimal battery power.

**EF LENS GLOSSARY**

**Air Sphere Coating (ASC)**

When light passes through an uncoated lens, approximately 5% is reflected back due to the difference in refractive index. This causes flare and ghosting, which affects image quality.

Canon’s Air Sphere Coating (ASC) is an anti-reflection innovation that combines vapour-deposited multi-coatings with an outermost layer that is ultra-low in refractive index to further eliminate light reflection.

**Aspherical Lenses**

Spherical aberration is caused by light rays entering at the edge of spherical lens elements that converge at slightly different focal points to light rays entering from the center. This produces soft, low contrast images that look as if it is covered with a thin veil.

Canon developed aspherical surface which converges both central and peripheral light rays at a single focal point to ensure uniform sharpness and clarity over the whole image area. Now found in almost every EF lens, aspherical lens elements are particularly useful for large-aperture and wide-angle lenses.

**Blue Spectrum Refractive (BR) Optics**

- Refracts blue light more effectively. BR optics have a better refractive index than glass when it comes to blue light (short wavelength spectrum) light dispersion.

- Reduction in chromatic aberration even with large-diameter lenses in wide-angle, large-diameter lenses, BR optics achieve a chromatic aberration correction amount not previously possible, for significantly reduced colour blurring in high-luminance objects when used in between concave and convex lenses (BR lens).

**Advancements in New BR Optics**

The EF35mm f/1.4L II USM features BR optics placed between the concave and convex lens elements. All visible light wavelengths are focused onto a single point to give more accurate imaging and reduced chromatic aberration (colour blurring), for superior imaging performance.

**EF LENS PRIMARY TECHNOLOGIES**

Here are the core innovations in Canon’s range of EF lenses. Find out more to understand how these technologies work to exceed possibilities in photography.

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**Blue Spectrum Refractive (BR) Optics**

By developing an original organic optical material, Canon’s new Blue Spectrum Refractive (BR) optics are a breakthrough in lens design. As a lens element, BR optics work on the short wavelength spectrum. The result is significantly improved anomalous dispersion, even with a large-diameter lens.

**Advancements in New BR Optics**

- Refracts blue light more effectively. BR optics have a better refractive index than glass when it comes to blue light (short wavelength spectrum) light dispersion.

- Reduction in chromatic aberration even with large-diameter lenses in wide-angle, large-diameter lenses, BR optics achieve a chromatic aberration correction amount not previously possible, for significantly reduced colour blurring in high-luminance objects when used in between concave and convex lenses (BR lens).
Circular Aperture Diaphragm
Many EF lenses use a circular aperture diaphragm, which is known to help transform point light sources to beautiful round bokeh picture effects. The aperture is made up of several blades, the number of which determines the shape of the bokeh effect, such as in the case of illumination, light seeping through the leaves of a tree, and light reflection from the water surface. Light normally appears round when seen through our eyes, thus expressing light in a circular shape adds a more natural and soft touch to the resulting image.

Digital Lens Optimizer
Issues such as aberrations, diffraction, and inadequate exposure due to the use of low-pass filter, often lead to optical image deterioration. Canon’s groundbreaking Digital Lens Optimizer solves these problems by identifying the causative factors and changing them into mathematical functions (optical transfer functions or OTF). It then applies the inverse functions that are carefully optimised and based on accurate data which makes all the necessary corrections, resulting in a significantly improved image.

Incorporated in the Digital Photo Professional software which comes bundled with the latest EOS cameras, the Digital Lens Optimizer promises competing image sharpness regardless of the lens.

Diffractive Optics (DO)
Canon developed a first-of-its-kind technology that enables nearly all light to pass through multiple diffractive optical (DO) elements. A renowned game-changer for photographers, this innovation reduces chromatic aberration while allowing the lens elements to be placed much closer together within the lens barrel.

Canon’s latest, 3rd Generation DO Lens is geared to exceed its predecessor. By incorporating the gapless dual-layered diffractive optical element, it effectively reduces diffraction-fores and eliminates air layers so that light can enter without any loss. Outdoor photography enthusiasts can now look forward to even higher image quality. Highly-reliable, compact and lightweight, ideal for mountain climbing or nature photography.

Fluorite Lens
Fluorite is known for its low refractive index and ability to correct chromatic aberration. In 1969, Canon succeeded in synthesising fluorite crystals which drastically improved image quality, achieving pin-sharp details throughout the whole image. It also significantly reduced the length of lenses.

Some Canon’s lenses are prepared for harsh photography environments, featuring dust- and drip-proof structure with rubber sealing between the mount and the camera, as well as sealing the focusing ring and the lens extension tube. Resistant rubber materials are applied even for the smallest parts such as the switch panel and insert slot of the drop-in filter compartments. Fluorine-coated lenses also allow dirt on the lens to be wiped off easily. This ability to perform and operate under adverse conditions helps to address the needs of professional photographers and enthusiasts alike.

Dynamic IS
This handy function is best used in Movie mode as it minimises shakes during handheld video shoots. By using a lens with the Dynamic IS mode, camera shake is reduced while recording in motion, and this prevents the resulting image from becoming blur. The area of correction is particularly wide in the wide-angle zoom range, making it possible to address significant camera shakes.

Floating System
Extending the focusing lens group at close focusing distances sometimes causes distortion such as curvature of field, a phenomenon common in wide-angle lenses, where peripheral parts of an image go out of focus as compared to the centre of image. Canon counteracts this problem by incorporating “floating” lens elements into lenses that are separated from the rest of the focusing lens group, and specifically used to correct the fluctuation of aberration. Many other lenses integrated this technology to achieve images of higher quality at all shooting ranges.

Dust-and Drip-Resistant, Fluorine Coating
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EF LENS PRIMARY TECHNOLOGIES

Full-time Manual Focus
With the full-time manual focus, users do not have to switch to MF mode while on the Autofocus mode to refine their focusing points. Thus, photographers can concentrate on framing their shot without removing their sight away from the viewfinder. All Canon lenses with USM and STM support come with a full-time manual focus.

Inner and Rear Focusing System
Most Canon lenses use inner focusing systems (focusing lens group is placed between the front lens and diaphragm) or rear focusing systems (focusing lens group is placed behind the diaphragm). These systems enable more compact sizes, rapid auto focusing and shorter minimum shooting distances than lenses with all group focusing or front-group focusing. Lenses are also easier to handle since they do not change length during focusing. And because the front frame of these lenses do not rotate, polarising filters are easier to use.

Hybrid IS
Angular shakes commonly occur when the camera is tilted, which may affect the resulting image. For macro-photography, shift shakes come from displacement of the camera parallel to the plane in focus. The solution is Canon’s Hybrid IS system, equipped to detect the angle of the camera shake based on the optical axis, as well as shake in the direction perpendicular to the optical axis; shift shake is also corrected for better image stabilisation.

Image Stabilizer (IS)
Canon is the world’s first with the IS (Image Stabilizer) technology, an in-lens system that corrects camera shakes in DSLR cameras.

Blurry pictures are often the result of handheld shots, or at slow shutter speeds in low-light settings. For that reason, photographers usually make up for that by setting a higher ISO speed, which comes with the disadvantage of extra noise.

IS, on the other hand, is able to suppress camera shake to a certain degree even for handheld shots. Depending on the lens, the image stabilization effect may allow you to shoot at 2-5 shutter speed stops slower than without IS.

Ring / Micro / Nano USM
USM (Ultrasonic Motor) drives the lens by transforming ultrasonic vibrations into rotational energy. Low-power and highly efficient, it enables focusing with close to no sound. There are 3 types: Ring, Micro and Nano USM.

The Ring USM is especially useful for driving large-diameter or super telephoto lenses and also allows for full-time manual focusing. The Micro USM is more affordable and can be used on a variety of lenses with no restrictions on lens diameter.

Sensor Size
The sensors in Canon EOS digital SLR cameras are available in three formats: full-frame, APS-C Size CMOS Sensor and APS-H.

Full-frame Canon cameras have sensors that are very close to the 36 x 24mm format found in 35mm film. With a higher signal-to-noise ratio and wider dynamic range, they excel in low-light conditions to produce high-resolution image quality with minimal noise, brilliant colours and rich details.

Used predominantly in entry-level Canon SLRs, APS-C sensors measure 22.5 x 15.0mm and have a 1.6x crop factor.

Nano USM is Canon’s latest USM that not only realises a high-speed AF, but also operates seamlessly in silence. Its main benefit lies in enabling quiet, smooth AF operation for both photo and movie-shooting. Its high speed AF is able to handle scenes with subjects that are moving at a fast speed as well as those with unpredictable movements.
**EF LENS PRIMARY TECHNOLOGIES**

Stepping Motor (STM)
The STM (Stepping Motor) is an AF drive motor that can control its rotational operation using the fluctuation of pulse signals. Each electrical pulse signal rotates the stepping motor by one step with impressive start-stop response, which makes it adaptable for compact lenses.

Operating sound is also reduced for optimal video recording, using the STM + lead screw unit to generate a large torque, and enable silent and smooth AF drive on zoom lenses. The STM + gear unit is optimised as a drive motor for pancake lenses and others in the compact lens range.

Subwavelength Structure Coating
The Subwavelength Structure Coating (SSC) technology reduces the differences between refraction indexes of air and glass to minimise internal reflections that cause ghosting and flare in images.

UD Lens
In 1970, Canon developed Ultra-Low Dispersion (UD) glass to counter the high costs of fluorite. Two UD lenses produce nearly the same result as one fluorite. Today, UD lenses are used extensively for Canon’s L-series lenses.

Super UD Lens
Successfully developed by Canon in 1993, these lenses reproduce the low refractive index and chromatic aberration correction characteristics of fluorite lenses.

White Coating
The white coating on the entire lens barrel reflects sunlight to prevent the optical system from overheating even when shooting under harsh and warm conditions.

Super Spectra Coating
Light reflection of the lens surface reduces the amount of light arriving at the camera sensor and increases the probability of image ghosting effect and flare.

To maximise the amount of light captured, thin film layers with different refraction indexes called Super Spectra Coating are applied to the lens surface to allow 99.9% transmission of light to the camera sensor. SSC also ensures a consistent colour balance across all EF lenses resulting in clear and sharp images with colours just as faithful as the original subject.

**SPEEDLITE TECHNOLOGY EF LENSES**

Guides No. (ISO 100) Recycling Time

<table>
<thead>
<tr>
<th>Speedlite 430EX III-RT / Speedlite 430EX III</th>
<th>Guide No. (ISO 100)</th>
<th>Recycling Time</th>
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<tr>
<td></td>
<td>CRT / 1/60 sec.</td>
<td>24 – 5.5 sec.</td>
</tr>
<tr>
<td></td>
<td>CRT / 1/60 sec.</td>
<td>24 – 5.5 sec.</td>
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</tbody>
</table>

With a guide number of 43 (at ISO 100), the newly-improved Speedlite 430EX III delivers wireless flash feature that is first of its kind. Users can also expect enhanced user interface and versatile design, as well as a new range of add-on accessories to support advanced flash techniques.

The Speedlite 400EX II-RT is designed especially for multi-flash photography. It uses radio transmissions to communicate with other Speedlites and supports both radio and optical communication for maximum versatility.

The Speedlite 600EX II-RT AF-assist beam supports the 61-point AF system of the EOS-1D X Mark II and EOS 5D Mark IV cameras. Its dot matrix LCD provides detailed settings and features information with a more intuitive user interface.

Operating sound is also reduced for optimal video recording, using the ‘STM + lead screw’ unit to generate a large torque, and enable silent and smooth AF drive on zoom lenses. The ‘STM + gear’ unit is optimised as a drive motor for pancake lenses and others in the compact lens range.

The 270EX II’s bounce flash head enables light from it to bounce off a ceiling to produce pictures with softer tones and depth; it offers near silent recharging and is powered by just 3 AA batteries.

**ACCESSORIES**

Macro Ring Lite MR-14EX II
This highly-improved successor of the MR-14EX takes innovation several notches higher with superior operability and visibility. These includes an easy-to-see graphical LCD panel and reduced backlit button controls. Filters can be attached to the fitting unit for increased expression. Enjoy reduced recycling time and a Quick Flash function.

**TECHNOLOGY**

Macro Twin Lite MT-26EX RT
Compatible with all EOS Digital SLR cameras and designed to work in tandem with Canon EF and EF-S Macro lenses*, this twin-lite flash is ideal for anything requiring controlled, close-up light e.g. flowers, insects and food. Two rotatable, detachable flash heads with independent control provide a sense of three-dimensional light. Extensive, multi-source lighting setups are simplified with radio transmission wireless flash capabilities**. Two removable diffusers, a new LCD screen and smart controls enhance operability, making this easily-portable lighting tool indispensable for enhancing close-up photography.

* A Macro Lite Adapter is necessary when attaching to the EF 100mm f/2.8 Macro IS USM (optional Macro Lite Adapter 67) and EF 180mm f/3.5L Macro IS USM (optional Macro Lite Adapter 72). With EOS-1D X Mark II / EOS 6D Mark II, the Macro Lite Adapter is necessary for EOS-M series camera, the optional Mount Adapter EF-EOS M is necessary.
** Wireless multi-flash shooting via radio or optical transmission is supported up to 1/18 in manual flash exposure mode.
### Lens Data

<table>
<thead>
<tr>
<th>Lens</th>
<th>Angle of View (Horizontal / Vertical / Diagonal)</th>
<th>Lens Construction (Groups/Elements)</th>
<th>No. of Diaphragm Blades</th>
<th>Minimum Aperture</th>
<th>Coaxial Focusing Distance (cm)</th>
<th>Maximum Magnification (x)</th>
<th>Drive System</th>
<th>Filter Size (mm)</th>
<th>Maximum Diaphragm Aperture</th>
<th>Weight (g)</th>
<th>With Extension Tube ET 13 II</th>
<th>With Extension Tube ET 25 II</th>
<th>Lens Cap</th>
<th>Lens Hood</th>
<th>Lens Bag</th>
<th>Dust and Moisture Resistance</th>
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<tr>
<td>EF50mm f/1.8 USM</td>
<td>75° / 56° / 90°</td>
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<td>8</td>
<td>F/1.8</td>
<td>0.82 - 0.31</td>
<td>0.85</td>
<td>USM</td>
<td>58</td>
<td>70x55.5</td>
<td>205</td>
<td>1.06</td>
<td>0.30</td>
<td>0.28</td>
<td>0.17</td>
<td>0.15</td>
<td>0.09</td>
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<td>F/1.2</td>
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<td>0.16</td>
<td>0.10</td>
<td>USM</td>
<td>58</td>
<td>70x55.5</td>
<td>205</td>
<td>1.06</td>
<td>0.30</td>
<td>0.28</td>
<td>0.17</td>
<td>0.15</td>
<td>0.09</td>
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<tr>
<td>EF85mm f/1.4L IS USM</td>
<td>24° / 16° / 28°</td>
<td>7</td>
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<td>USM</td>
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<td>70x55.5</td>
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<td>0.28</td>
<td>0.17</td>
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<td>0.09</td>
</tr>
</tbody>
</table>

Notes:
- The Extension Tube ET 13 II can be used with all lenses except the EF14mm f/2.8L II USM, EF30mm f/2.8 USM, EF24mm f/1.4L II USM, EF11-24mm f/4L USM, MP-E 65mm f/2.8 1-5x Ultra-Wide / Wide-Angle Lenses with TS-E24mm f/3.5L II, EF-S10-22mm f/3.5-4.5 USM at near the tele end, EF-S17-55mm f/2.8 IS USM at near the tele end, since it radically reduces working distance.
- All minimum apertures are for bodies using 1/2-step display.
- *Image circle of EF lenses.
- *2 Equipped with a full-time manual mechanism.
- *3 Can be used only with EOS digital cameras designed to take EF II lenses.