Canon

CINEMA LENSES

CINEMA EOS

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CANON CINEMA LENSES
— THE LENSES FOR ALL REASONS

Canon's expanding lineup of dedicated Super 35mm Cinema Lenses are engineered to meet the most demanding requirements of high-end cinematography. Covering a wide range of popular cinema focal lengths in a series of zooms and compact zooms available in EF- or PL-mount, as well as a series of EF-mount prime lenses, it's one of the most complete lineups of lenses available to any filmmaker. All lenses are optically matched to ensure consistent color balance, and each series shares uniform front lens diameters and gear positions – thus enabling film crews to seamlessly interchange lenses. Whether you are involved in film production, TV commercials, TV dramas, independent, video or film school production, these are the lenses you need for all reasons.

Canon Cinema Zoom and Compact Zoom Lenses

Canon's Cinema Zoom and Compact Zoom Lenses offer extraordinary optical performance for demanding, high-end film and video productions. New optical glass materials, new optical coatings and powerful new design techniques have all been combined to offer advanced optical performance. All four lens models are available in EF- or PL-mount versions, and for added flexibility the mount on all models can be switched at a Canon service facility (call 855-CINE-EOS for details).

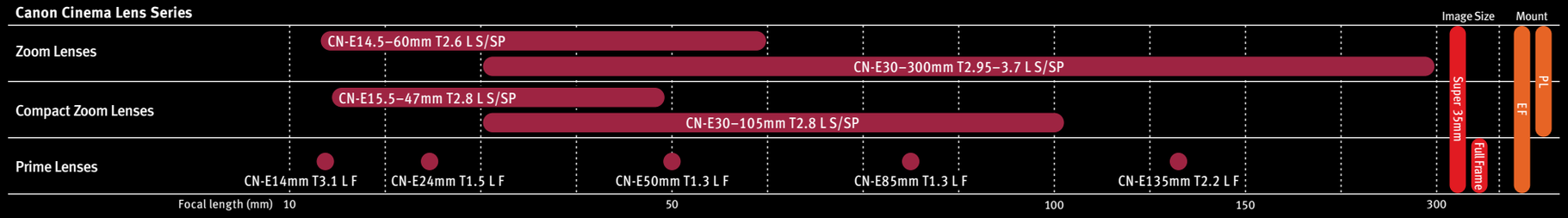
Zoom Lens Series – Canon Cinema Zoom Lenses offer extraordinary optical performance that exceeds 4K resolution and are designed to meet the most demanding of high-end productions. They combine fluorite and aspherical lens elements, the latest in advanced optical coatings and superior lens designs for outstanding edge-to-edge image quality. These lenses also feature minimal lens distortions and exceed the resolving power of the prime lenses at all zoom levels. Surprisingly low-weight, the wide-angle CN-E14.5–60mm T2.6 L S/SP and telephoto CN-E30–300mm T2.95–3.7 L S/SP cover the range of focal lengths most commonly used in filmmaking.

Compact Zoom Lens Series – Canon Cinema Compact Zoom Lenses offer 4K resolution in form factors that enable more flexible, less intrusive shooting. The CN-E15.5–47mm T2.8 L S/SP delivers a wide to medium range of focal lengths, while the CN-E30–105mm T2.8 L S/SP covers wide to modest telephoto shots. When the two lenses are used as a pair, they cover a very broad zoom range. They also feature a constant T-number (2.8) throughout their zoom ranges as well as the latest advancements in lens design for outstanding image quality and minimal distortion. Both zoom lenses are ideal for Steadicam™ and hand-held shooting as well as for applications beyond filmmaking.

Canon Cinema Prime Lenses

The flexible series of Canon Cinema Prime Lenses offers spectacular 4K-image quality and a full-frame image circle, in lightweight, compact designs. Prime Lenses consist of the CN-E14mm T3.1 L F, CN-E24mm T1.5 L F, CN-E50mm T1.3 L F, CN-E85mm T1.3 L F and CN-E135mm T2.2 L F. They feature high optical speed, produce exceptionally sharp 4K images and superb contrast, and maintain tightly controlled focus breathing and geometric distortion. Low T-numbers enable better low-light shooting and enhanced image expression with shallow depth-of-field and beautiful bokeh of large image circles. These EF-mount models offer consistent form factors and markings that have been optimized for motion picture production, and represent the beginning of an evolving family of cinema primes. Canon Cinema Prime Lenses are also compatible – under manual operation – with all Canon EOS DSLR models, including the full-frame EOS-1D X and EOS 5D Mark III, as well as the EOS 7D and EOS 60D models that use APS-C sized image sensors.

4K



SUPERB IMAGE QUALITY
— PERFORMANCE PROVEN IN THE FIELD

Built on years of know-how developing some of the world's most advanced optical lenses, every Canon Cinema Lens is manufactured to meet the exacting needs of the world's top filmmakers. All of these lenses share Canon's renowned accuracy, clarity and optical brilliance to bring fresh perspective to your vision and stimulate creativity. They provide the highest performance in 4K/2K/HD motion imaging and are engineered to meet the imaging requirements of the latest large format, single sensor, digital cameras. It's a lens system whose standard is measured by the professionals out on the field – day in and day out.

Outstanding 4K Image Quality

Every Canon Cinema Lens is designed to fulfill contemporary 4K production standards, further enhancing the performance of any HD imaging system. Cinema Lenses feature large aspherical lens elements that help achieve sharp, consistent images for virtually all situations. The optical characteristics of each lens and their associated coatings are matched to help ensure consistent color balance not only between each series of lenses (Zoom, Compact Zoom and Prime), but also between the entire family of Canon Cinema Lenses. While coatings specifically developed for cinematography applications help reduce ghosting and minimize flare, natural skin tones with astounding scenes of rich color, clarity and contrast are rendered.

With edge-to-edge consistency across the entire focal plane at all focal lengths, Canon Cinema Zoom and Compact Zoom Lenses support industry-standard Super 35mm and APS-C equivalent sensor formats, while Canon Cinema Prime Lenses produce an imaging area that supports full-frame 35mm format cameras such as the Canon EOS-1D C. A geared inner-focusing mechanism helps minimize focus-induced changes in the angle of view, helping reduce focus breathing, while the 11-blade aperture diaphragms help ensure beautiful bokeh. Innovative glass construction also helps to counteract barrel expansion and contraction, avoiding temperature-induced marking discrepancies.

Uncompromising Design for Working Professionals

Packed schedules and numerous locations are part and parcel of being a filmmaker. But, with rugged, durable construction and ease of operability, it's the lens system you can rely on. Canon Cinema Lenses provide markings on angled surfaces on both sides of the lens barrel, simplifying focus reading and aperture settings from behind or on either side of the camera. Focus markings can be switched from standard to metric labeling. Torque of the control rings was designed specifically to help maintain the proper amount of resistance. To enable film crews to change optics quickly and without adjusting the rig setup, each series of Cinema Lenses shares uniform front diameter and rotation angle for operational controls and gear positions. Lenses are lighter weight, more compact and smaller than conventional cinema lenses, making them ideal for many of today's shooting locations where space is at a premium. Cinema Zoom and Compact Zoom Lenses are available in both EF- or PL-mount versions (the mount on all these models can be switched at a Canon service facility) and feature a covered flange-back adjustment mechanism for additional versatility in applications such as broadcasting. Compatible with major third-party shooting accessories like matte boxes, support rods, geared control rings, and follow focus mechanisms, you can step up to the Canon Cinema Lenses without the worry of leaving your favorite equipment behind.

Cinema Zoom and Compact Zoom Lenses: Highlights

Easy-to-read controls
Focus, zoom, and iris markings are provided on angled surfaces. These markings are easier to read from behind the camera.

New Inner Focus
Minimizes focus-induced changes in the angle of view.

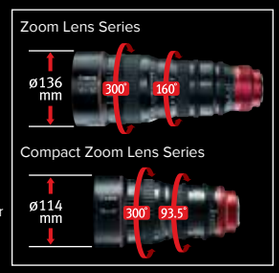
Light, Compact
Smaller and lighter than conventional cinema lenses, to meet a variety of shooting needs.

Flange-back Adjustment Mechanism
A covered flange-back adjustment mechanism is included, with broadcast applications in mind.

Supports Industry-standard Cameras
Supports industry-standard Super 35mm equivalent and APS-C formats.

Unified Front Lens Diameter, Gear Positions
Uniform gear positions within the same categories eliminates the need for accessory gear position adjustment when switching lenses.

Markings on Both Sides
Lenses are marked on both sides. This makes markings visible from either side of the lens.



Switchable Unit for Focus Marking
The outer piece on marked focus rings can be switched from non-metric to metric labeling.

Attractive Blurring
11-blade circular aperture enables soft, beautiful background bokeh.

Interchangeable Mount
Lenses are available in EF- or PL-mount and for added flexibility the mount on all models can be switched at a Canon service facility.

Cinema Prime Lenses: Highlights

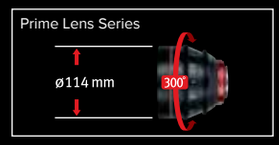
Fast Aperture
Enables shooting with shallow depth-of-field and low-light capability.

Attractive Blurring
11-blade circular aperture enables soft, beautiful background bokeh.

Light, Compact
Small and light among conventional cinema lenses, to meet a variety of shooting needs.

Ready for Full-size 35mm Sensors
The lenses are also compatible with the large imaging area of cameras equipped with a full-size 35mm-equivalent CMOS sensor.

Unified Front Lens Diameter, Gear Position
Lenses have the same front lens diameter and consistent gear positions so they can be switched without adjusting the rig setup.



Accepts 105mm filters
PL or other individual filters 105mm in diameter can be attached to the end of the lens, enabling filter work in handheld shooting or other scenarios without using a matte box.

Switchable Unit for Focus Marking
The outer piece on marked focus rings can be switched from non-metric to metric labeling.

Standard Accessories Supported
Supports industry-standard accessories such as power-drive devices and matte boxes.

Comfortable Usability
Control rings maintain the right amount of resistance while offering exceptional usability with consistent operating torque.

Canon EF-Mount

Available on every Canon Cinema Lens, the Canon EF-mount ensures compatibility with the full lineup of Canon Cinema EOS cameras. Aperture, focal length settings and lens models are communicated and may be recorded by the camera for Canon Cinema Prime Lenses and EF-mount Compact Zooms. Additionally, with manual operation, Cinema Zoom and Compact Zoom Lenses are compatible with APS-C size EOS DSLR cameras such as the EOS 7D while the Cinema Prime Lenses are compatible with the full lineup of EOS DSLR cameras including full-frame cameras such as the EOS-1D X and EOS 5D Mark III.

Canon Cinema Lenses Specifications

	Mount	Focal Length	Zoom Ratio	Maximum Aperture	Minimum Focus	Iris Blades	Angle of View				Front Diameter	Length	Weight
CN-E14.5–60mm T2.6 L S/SP	EF/PL	14.5 – 60mm	4.1:1	2.6	28"	11	24.6 x 13.8mm 1.78:1	80.6° x 50.9° at 14.5mm 23.2° x 13.1° at 60mm	24.0 x 13.5mm 1.78:1	79.2° x 49.9° at 14.5mm 22.6° x 12.8° at 60mm	136mm	318mm (PL) 326mm (EF)	9.9 lb./4.5kg
CN-E30–300mm T2.95–3.7 L S/SP	EF/PL	30 – 300mm	10:1	2.95/30–240mm 3.7/300mm	60"	11		44.6° x 25.9° at 30mm 4.7° x 2.6° at 300mm		43.6° x 25.4° at 30mm 4.6° x 2.6° at 300mm	136mm	342mm (PL) 350mm (EF)	12.79 lb./5.8kg
CN-E15.5–47mm T2.8 L S/SP	EF/PL	15.5 – 47mm	3:1	2.8	20"	11	26.2 x 13.8mm 1.9:1	80.4° x 48.0° at 15.5mm 31.1° x 16.7° at 47mm	24.0 x 13.5mm 1.78:1	75.5° x 47.1° at 15.5mm 28.6° x 16.3° at 47mm	114mm	214mm (PL) 222mm (EF)	4.8 lb./2.2kg
CN-E30–105mm T2.8 L S/SP	EF/PL	30 – 105mm	3.5:1	2.8	24"	11		47.2° x 25.9° at 30mm 14.2° x 7.5° at 105mm		43.6° x 25.4° at 30mm 13.0° x 7.4° at 105mm	114mm	210mm (PL) 218mm (EF)	4.8 lb./2.2kg
CN-E14mm T3.1 L F	EF	14mm	-	3.1	8"	11	24.6 x 13.8mm 1.78:1	82.6° x 52.5°	36.0 x 24.0mm 1.5:1	104.3° x 81.2°	114mm	94mm	2.64 lb./1.2kg
CN-E24mm T1.5 L F	EF	24mm	-	1.5	12"	11		54.3° x 32.1°		73.7° x 53.1°	114mm	101.5mm	2.65 lb./1.2kg
CN-E50mm T1.3 L F	EF	50mm	-	1.3	18"	11		27.6° x 15.7°		39.6° x 27°	114mm	101.5mm	2.42 lb./1.1kg
CN-E85mm T1.3 L F	EF	85mm	-	1.3	38"	11		16.5° x 9.3°		23.9° x 16.1°	114mm	101.5mm	2.87 lb./1.3kg
CN-E135mm T2.2 L F	EF	135mm	-	2.2	39"	11		10.4° x 5.9°		15.2° x 10.2°	114mm	115.6mm	3.08 lb./1.4kg

CANON EF LENSES
— A WORLD OF CREATIVE OPTIONS

Great images start with great lenses, and the highly flexible Cinema EOS system opens up new, creative possibilities for the cinematographer with a versatile breadth and scope of lenses. Canon EF Lenses incorporate a rare array of the world's most advanced optical, micro-electronic and manufacturing technologies. They deliver extraordinary image quality and a wide range of choice – boasting an extensive selection of over 60 EF and EF-S Lenses, including Canon specialty lenses such as Tilt-Shift, Macro and Fisheye. With over 80 million produced, Canon EF Lenses are highly regarded among professionals.

Canon EF-Mount

All EF Lenses feature Canon's EF-mount for full compatibility with Cinema EOS cameras. The EF-mount enables Cinema EOS cameras to utilize the advanced Peripheral Illumination Correction feature, which helps ensure beautiful consistent color and brightness across the entire image plane, in addition to communicating focal length, aperture settings and lens models. The EF-mount gives additional creative options such as EF specialty lenses, including Tilt-Shift, Macro and Fisheye.

Tilt-shift Lenses — TS-E lenses incorporate tilt and shift functions to extend the shooting advantages of technical-view cameras to the EOS system. Tilt movements alter the angle of the focal plane between the lens and image sensor, modifying depth-of-field independently of the lens aperture. Shift movements slide the lens' optical axis along the plane of the image sensor, enabling photographers to correct or alter perspective to almost any angle, and help add unimagined drama to a scene.

Macro Lenses — By revealing the finest detail and achieving extraordinary edge-to-edge accuracy at very shallow depth-of-field, macro photography can be an ultimate test of optical performance. Canon EF specialty lenses include six ultra-precise macro lenses and three screw-on, close-up lenses. Accompanied by the Life-Size Converter EF and two Extension Tube accessories, Canon's macro lens array can uncover detail that is nearly impossible for the unaided human eye to detect.

Fisheye Zoom Lense — Super wide-angle and special-effects photography let you capture each subject from a unique perspective. The Canon EF 8–15mm f/4L Fisheye USM is the world's first fisheye zoom lens to create circular images with a 180-degree angle-of-view on full-frame DSLRs.

Canon L-Series Lenses

Highly regarded among professional photographers and videographers, Canon L-Series lenses are distinguished by a bold red ring around the outer barrel. Designed for professionals who demand uncompromising optical performance, these specialty lenses incorporate a number of innovative Canon technologies, including Ultra-low Dispersion (UD) glass, fluorite and aspherical lens elements, plus Super Spectra Multi Coating.

Canon Optical Image Stabilizer

Many EF Lenses feature Canon Optical Image Stabilizer (OIS) technology, making handheld cinematography more practical than ever before. EF Lenses with OIS are useful in run-and-gun style shoots, low-budgets, or documentaries where an unobtrusive camera configuration may be ideal. Canon OIS technology is built into each IS lens, enabling it to be optimized for the focal lengths and optical characteristics unique to the lens.