

Detailed Specifications

Lens	
Focal length	7-14mm <ul style="list-style-type: none"> APS-C sensor cameras zoom range: approx. 8.7-14mm "C" indication on zoom ring indicates widest zoom setting for APS-C where vignetting will not occur (approx. 8.7mm)
Fisheye image type	Full-frame cameras: circular fisheye (at 7mm); diagonal ("full-frame") fisheye image (at 14mm) APS-C: diagonal ("full-frame") fisheye image (at approx. 8.7mm – 14mm)
Maximum and minimum aperture	f/2.8 – f/22 (at 7mm); f/3.5 – f/29 (at 14mm)
Lens mount	Canon RF mount (metal)
Compatible cameras	Canon EOS R-series and RF-compatible Cinema EOS cameras
Minimum focusing distance	5.9 in. / 0.49 ft. / 0.15m
Maximum magnification	0.35x (at 14mm; center of image)
Angle of view (diagonal, full-frame camera)	7mm: 190° 14mm: 180°
Optical design	
Lens construction	16 elements in 11 groups
Special elements	(five) Ultra-low Dispersion (UD-glass) elements (two) Aspheric elements
Lens coatings	Super Spectra Coating (SSC) Air Sphere Coating (ASC), on rear surface of three lens elements Fluorine Coating (on front lens element)
Floating focus system	None
Lens zooming	Internal — no change in length as lens is zoomed
Filter size (diameter)	No front filter <ul style="list-style-type: none"> Drop-in slot at rear of lens accepts same drop-in filters as Canon Mount Adapter EF-EOS R Canon Clear Drop-in Filter A included with lens A Drop-in Filter must be used at all times No rear gel filter holder
Aperture blades	9
Image Stabilization	None
AF	
Focus drive system	STM (stepping motor); Leadscrew type, direct drive
Full-time Manual focusing	Yes
Dual Pixel CMOS AF coverage (Horizontal x Vertical)	Approx. 100% x 100% (whole area AF, with subject detection active) Approx. 90% x 100% (when manually positioning AF Area)

Exterior design	
Control Ring	Yes (with click-stops) <ul style="list-style-type: none"> • Full 360° rotation • 54 clicks per revolution
Manual focus ring	Yes
AF / MF switch	Yes
Iris ring	None
Zoom ring	Manual zoom ring, covering 7–14mm
Zoom Limit switch	Sliding switch on side of lens (two positions: Off / Limit) <ul style="list-style-type: none"> • Limit position locks zoom ring at 7mm position (circular fisheye with full-frame camera) or limits zooming from 14mm to “C” position, immediately above Limit switch (approx. 8.7mm zoom, for diagonal / “full-frame” fisheye coverage on APS-C sensor cameras) • Off position: full zoom ring rotation possible
Lens Function button	Yes (one)
Distance scale	None <ul style="list-style-type: none"> • Distance scale available in viewfinder or LCD screen, in red Shooting Menu: Shooting info display > Lens info display > Focus distance display
Distance limiter switch	None
Dust- / weather-resistant construction	Yes
Tripod collar on lens	None
Dimensions, weight	
Maximum outer diameter x Length	approx. 3.0 in. Ø x 4.3 in. / 76.5mm Ø x 109.4mm <ul style="list-style-type: none"> • With Lens Hood EW-76 attached — approx. 3.45 in. Ø x 5.2 in. / 87.6mm Ø x 131.7mm
Weight	approx. 16.8 oz. / 1.1 lb. / 476g
Accessories	
Lens hood	Canon Lens Hood EW-76 (included with lens) <ul style="list-style-type: none"> • Bayonet mount with locking mechanism; NOT attachable in reverse • Vignetting from lens hood: Full-frame cameras — hood intended only at zoom settings near 14mm (tele); vignetting will be visible at shorter zoom settings (<i>remove hood at zoom settings lower than approx. 14mm</i>) APS-C cameras — no vignetting from lens hood, between tele end of zoom and “C” setting (approx. 8.7mm on zoom ring)
Lens cap	Dedicated Canon Lens Cap 7–14 (included with lens) <ul style="list-style-type: none"> • Attaches directly to attached Lens Hood EW-76, not to front section of lens (lens hood is required to attach front Lens Cap)
Dust (rear) cap	Canon Dust Cap RF (included with lens)
Lens case	Canon LP1219 (included with lens)
Extension tubes	None
Canon RF Extender 1.4x / 2x	Not compatible
Canon Gelatin Filter Holder III / IV	Not compatible