



SEL70200GM

FE 70-200 mm F2.8 GM OSS

Full-frame Telephoto Zoom G Master Lens with Optical SteadyShot



Bullets

- Premium G Master Series telephoto zoom lens
- Sony Nano AR Coating to eliminate flare and ghosting
- Circular 11-blade aperture for beautiful defocus effects
- Built-in Optical SteadyShot image stabilization
- Dust and moisture-resistant design

Features

An F2.8 telephoto zoom like no other

The most advanced technology available has been applied in the G Master series, further refining acclaimed Sony G Lens performance. This model combines refined G Lens bokeh with new levels of resolution in an outstanding constant F2.8 telephoto zoom that offers unsurpassed rendering, blazing AF, and extraordinary image stabilization performance.

Extraordinary detail and bokeh in one lens

Specifically designed to resolve spatial frequencies with excellent contrast, this lens includes three aspherical elements, including one double-sided and one newly developed XA (extreme aspherical) element with 0.01 micron surface precision, to effectively control aberration for astonishing resolution plus glorious bokeh.

Natural images without spurious color

Chromatic aberration that can be a problem in telephoto lenses is thoroughly suppressed by the use of four ED (Extra-low-Dispersion) glass elements and two Super ED glass elements. Color bleeding is banished so the subject can be captured with maximum sharpness.

Further refinements for spot-on movie AF

The focusing system's double linear motor takes on the vital role of providing "wobbling" actuation for the AF contrast detection system when shooting video. An optical design that effectively minimizes focus breathing plus quiet mechanical operation further adds to focusing performance that is ideal for movies as well as stills.

Class-leading close-up performance

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Class-leading close-up performance with a minimum focusing distance of 0.96m and 0.25x maximum magnification is ideal for portraits, telephoto macro, and more. Contributing refinements include ED glass elements and a floating focus mechanism to control aberration that can be problematic in close-up applications.

Fast AF optimized for stills and video

Two heavy focus groups are rapidly and precisely positioned by separate actuators: a powerful RDSSM (Ring Drive Super Sonic wave Motor) actuator for the front group, and a double linear motor actuator for the rear group. Improved positioning precision works with real-time feedback from multiple position sensors to allow the body's AF system to operate at full capacity.

Outstanding clarity and contrast

Advanced Nano AR Coating technology produces a lens coating with a precisely defined regular nano-structure that effectively suppresses reflections that can cause flare and ghosting, for notable improvements in clarity, contrast, and overall image quality. (1. Nano AR Coating / 2. Glass / 3. Transmitted light)

Operation and reliability optimized for fieldwork

Rigid construction with constant lens length during focusing and zooming contribute to excellent handling in the widest range of shooting situations. Focus hold buttons can hold the focus point even during continuous AF operation, and a focus range limiter switch can be used to preset a focusing distance range for maximum AF speed.

11 blades for luscious bokeh

Sony's circular aperture design has traditionally employed up to 9 blades, but this lens incorporates an 11-blade circular aperture that takes bokeh quality to new levels of smooth beauty with natural looking highlights.

Stabilized for sharp, blur-free images

High-performance image stabilization is built right into the lens for sharp, blur-free images with a wide range of subjects. The heavy stabilization lens is driven by a linear motor for fast, precise stabilization. 5-axis image stabilization becomes available when used with α series bodies that feature built-in image stabilization.

Stable even when panning

To provide the greatest possible benefit from the built-in image stabilization system in the widest range of shooting situations, the SEL70200GM features switchable MODE 2 stabilization that allows image stabilization to be used with panned shots for greater clarity and impact.

Removable rotating tripod mount

This versatile lens tripod mount allows the camera to be quickly removed from the tripod in shooting situations that require a rapid handheld response. It also features a revolving mechanism that allows quick changeover between landscape and portrait orientation. A lock mechanism prevents accidental detachment.

High reliability in harsh conditions

A sealed dust and moisture resistant design and fluorine front element coating provide extra

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protection to ensure reliable operation in challenging environments.

Specification

At a Glance	
Focal Length	70 - 200mm
Max. Aperture	f/2.8
Size and Weight	3.5 x 7.875 in. / 52.3 oz.
Lens Specifications	
35 mm equivalent focal length (APS-C)	105-300 mm
Angle of View (35 mm)	34°-12° 30'
Angle of View (APS-C)	23°-8°
Aperture Blades	11
Circular Aperture	Yes
Filter Diameter (mm)	77 mm
Focal Length (mm)	70-200 mm
Format	35 mm full-frame
Image stabilization (SteadyShot)	Yes
Lens Groups / Elements	18/23
Maximum Magnification ratio (x)	0.25x
Maximum aperture (F)	2.8
Minimum Aperture (F)	22
Minimum Focus Distance	3.15 ft
Mount	Sony E-mount
Teleconverter compatibility (x1.4)	Yes
Teleconverter compatibility (x2.0)	Yes
Size & Weight	
Dimensions (D x L)	88.0 x 200 mm
Weight	52.21 oz (without tripod mount)

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1. Although the design is dust and moisture resistant, absolute protection from dust and moisture is not guaranteed.

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