

SEL70200GM

FE 70-200mm F2.8 GM OSS

An incomparable F2.8 telephoto zoom

Constant F2.8 70-200mm zoom with extraordinary G Master resolution and bokeh.

- E-mount Full Frame format
- G Master Telephoto zoom
- Constant F2.8 maximum aperture



Technical Summary

Icon Description

- 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 stabilisation
- Dust and moisture resistant design

Key Technical Specification

- **Minimum Focus Distance**
0.96m
- **Maximum Magnification ratio (x)**
0.25x
- **Filter Diameter (mm)**
77 mm
- **Weight**
1480 g (without tripod mount)

What's in the box?

- Hood (ALC-SH145), Lens front cap (ALC-F77S), Lens rear cap (ALC-R1EM), Case, Tripod mount

Specifications

Lens Specifications

| | |
|--------------------------------------|-----------------|
| Mount | Sony E-mount |
| Format | 35mm full-frame |
| Focal-Length (mm) | 70-200 mm |
| 35mm equivalent focal-length (APS-C) | 105-300 mm |
| Lens Groups / Elements | 18/23 |
| Angle of View (35mm) | 34°-12° 30' |
| Angle of View (APS-C) | 23°-8° |
| Maximum aperture (F) | 2.8 |
| Minimum Aperture (F) | 22 |
| Aperture Blades | 11 |
| Circular Aperture | Yes |
| Minimum Focus Distance | 0.96m |
| Maximum Magnification ratio (x) | 0.25x |
| Filter Diameter (mm) | 77 mm |
| Image stabilization (SteadyShot) | Yes |
| Teleconverter compatibility (x1.4) | Yes |
| Teleconverter compatibility (x2.0) | Yes |

Size & Weight

| | |
|------------------------|-------------------------------|
| Dimensions (W x H x D) | 88.0 x 200 mm |
| Weight | 1480 g (without tripod mount) |

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.

Natural images without spurious colour

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. Colour bleeding is banished so the subject can be captured with maximum sharpness.

Class-leading close-up performance

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.

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.

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.

Fast AF optimized for stills and video

Two heavy focus groups are rapidly and precisely positioned by separate actuators: a powerful ring SSM (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)

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.

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.

High reliability in harsh conditions

A sealed dust and moisture resistant design and fluorine front element coating provide extra protection to ensure reliable operation in challenging environments.

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.

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.

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.

Optional Accessories

SEL14TC

1.4x reach with top optics and operation

SEL20TC

2x reach with top optics and operation

ALC-F77S

Protect your lens from dust and dirt

ALC-R1EM

Protect your camera's rear glass

ILCE-7R

Raw detail and full-frame resolution in a palm-sized camera

ILCE-7S

35mm full-frame shooting with 4K video and phenomenal sensitivity

ILCE-7

Full-frame photography, palm-sized camera

ILCE-6000

World's fastest autofocus.

ILCE-6000

World's fastest autofocus.

ILCE-5000L

Powerful performance, compact design

ILCE-5000L

Powerful performance, compact design

ILCE-5000Y

Powerful performance, compact design