



## SEL2070G

### Sony FE 20-70mm F4 G | Compact, lightweight standard zoom lens covers ultra-wide 20 mm to 70 mm (SEL2070G)

Extend the range of the standard zoom lens to 20mm for wide field of view required to include yourself, your friends and the background with G series resolution, naturally rendered bokeh. Fast, precise, silent autofocus together and advanced optics provide peak performance for stills and video.



## Bullets

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- Ultra-wide 20 mm to mid-tele 70 mm zoom range, for a range of movie and still subjects.
- Outstanding G Lens image quality with high resolution at all focal lengths
- Peak performance AF with two XD Linear Motors for precise, fast, quiet focus drive
- Refined movie imagery with minimized focus breathing and focus/axial shift while zooming
- Compact, lightweight design for superb image quality and versatility in any situation
- Excellent close-up performance of 9.8" (25cm) throughout the zoom range (manual focus)
- Constant F4 maximum aperture throughout zoom range for greater flexibility
- Circular aperture with 9-blade iris for naturally rendered bokeh
- Active Mode<sup>5</sup> image stabilization highly effective at ultra-wide 20 mm
- Dedicated aperture ring, click/de-click and iris lock switches
- Customizable focus hold buttons provided in two locations for easy access and control
- ED glass lens elements correct spherical and chromatic aberrations
- Linear Response MF for precise, repeatable manual focus control
- Instant auto/manual focus selection via AF/MF switch
- Front fluorine coating repels fingerprints, dust, water and oil
- Dust and moisture resistant<sup>6</sup> design for reliability in challenging conditions
- Front 72mm threaded for screw-on filters
- Petal shaped, bayonet mount lens hood ALC-SH174 supplied

## Features

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### Ultra-wide 20 mm to short-telephoto 70 mm zoom range, for a wide range of movie and still subjects.

With an unprecedented<sup>1</sup> ultra-wide 20 mm to short-telephoto 70 mm zoom range, this versatile lens is an excellent choice for a wide range of movie and still subjects. The ultra-wide 20 mm end of the zoom range maintains a wide angle of view when shooting movies with a 16:9 or 2.35:1 aspect ratio that reduces field of view.

### Outstanding G Lens image quality with corner-to corner high resolution at all focal lengths

With two AA (advanced aspherical) elements, one aspherical element, three ED (Extra-low Dispersion) glass elements, and one ED aspherical element, this state-of-the-art lens design



corrects both chromatic and spherical aberration for high optical performance right out to the image edges, from ultra-wide 20 mm to 70 mm.

### **Peak AF performance with two XD Linear Motors for precise, fast, quiet focus drive**

Two XD (extreme dynamic) Linear Motors achieve fast, quiet, smooth focus drive with up to 60% higher AF speed and up to two times better performance while tracking for reliable, precise tracking<sup>2</sup>. Moving subjects are reliably tracked when shooting continuous stills at up to 30 fps<sup>3</sup>, or up to 4K 120p with alpha compatible cameras.

### **Refined movie imagery with minimized focus breathing and focus/axial shift while zooming**

Advanced technology reduces focus breathing as well as focus and axial shift when zooming so that distracting image shifts are minimized. XD Linear Motors and a newly developed aperture unit dramatically reduce noise and vibration when shooting movies. The breathing compensation function provided in compatible  $\alpha$  series cameras<sup>4</sup> is also supported.

### **Compact, lightweight design for superb image quality and versatility in any situation**

This compact, lightweight lens combines state-of-the-art optical design with Sony's high-thrust XD (extreme dynamic) Linear Motor technology. Used with a compact mirrorless body, it can deliver superb image quality in any situation at focal lengths from ultra-wide to short telephoto. A great choice for shooting with minimum gear.

### **Excellent close-up performance of 9.8" (25cm) throughout the zoom range (manual focus)**

AA (advanced aspherical) elements help to achieve a minimum focus distance of 11.8" (30 cm - wide) to 9.8" (25 cm - telephoto) when using AF, and 9.8" (25 cm) throughout the zoom range when focusing manually. Maximum magnification is 0.39x for detailed close-ups. Close focus makes it easy to maneuver around small subjects to find the ideal angle.

### **Constant F4 maximum aperture throughout zoom range for greater flexibility**

A constant F4 maximum aperture offers greater flexibility in choosing apertures at any focal length. The selected aperture remains constant throughout the zoom range. There is no need to use extreme ISO settings at the telephoto end of the range, and high shutter speeds can be used as needed to achieve the desired effect.

### **Circular aperture with 9-blade iris for naturally rendered bokeh**

The deep, soft bokeh available with full-frame image sensors is further enhanced by a 9-blade circular aperture and optimally tuned spherical aberration. All of this supports the creation of impressive, memorable imagery.

### **Active Mode<sup>5</sup> supports ultra-wide images**

Active Mode<sup>5</sup> image stabilization in  $\alpha$  series cameras works effectively at the ultra-wide 20 mm end of the zoom range, providing excellent image stabilization performance while maintaining a wide angle of view. This can be particularly useful for shooting smooth, stable handheld footage while walking.

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## **Dedicated aperture ring, click/de-click and iris lock switches**

An aperture ring provides direct, rapid control. The aperture ring click stops can be turned ON to provide tactile feedback when shooting stills, or OFF for smooth, silent control when shooting movies. There is also an iris lock switch that prevents the aperture ring from being accidentally moved between the [A] and F4 ~ F22 settings.

## **Customizable focus hold buttons**

Two customizable focus hold buttons are provided for easy access and control at most any orientation. Alternative functions can be assigned from the camera's menu.

## **ED glass elements correct spherical and chromatic aberrations**

Three ED (Extra-low Dispersion) glass elements plus one ED aspherical glass element significantly reduce chromatic aberration for sharp reproduction without color bleeding.

## **Natural, linear manual focus response**

Linear Response MF ensures that the focus ring responds directly and linearly to subtle control when focusing manually. Focus ring rotation translates directly to a corresponding change in focus, so control feels immediate and precise enough for rack focus effects when shooting movies. This feature also works effectively with the AF Assist function in cameras such as the α7 IV and FX6, giving creators enhanced artistic control.

## **Instant auto/manual focus selection**

Instantly switch between auto and manual focus via an AF/MF switch on the side of the lens. This makes operation faster and easier as you let the camera and lens focus for you or decide to take control and manually focus on the precise point you choose.

## **Fluorine front element coating**

The front lens element features a fluorine coating that repels water, oil, and other contaminants, while making it easier to wipe off any contaminants or fingerprints that do become attached to the lens surface.

## **Dust and moisture resistant<sup>6</sup> design for reliability in challenging conditions**

An updated dust and moisture resistant design<sup>6</sup> provides extra reliability for outdoor use in challenging conditions. Silicon seals around buttons and switches and a rubber gasket around the lens mount greatly reduce the likelihood of dust and moisture incursion.

## **Front 72mm threaded for screw-on filters**

The SEL2470G accepts standard 72 mm screw-on filters for expanded creative freedom. Thanks to its internal focus system the filter ring does not rotate while focusing, facilitating the use of circular polarizing filters for landscape photography or variable ND filters for movies.

## **Petal-shaped, bayonet mount lens hood**

Petal shaped, bayonet mount lens hood ALC-SH174 supplied.

## **Specification**

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Lens Specifications	
Type	Interchangeable lens
Product name	FE 20-70 mm F4 G
Model name	SEL2070G
Lens mount	Sony E-mount
Format	35mm full frame
Focal-length (mm)	20-70
35mm equivalent focal-length (APS-C) (mm)	30-105
Lens construction (groups-elements)	13-16
Angle of view (APS-C) *1	70°-23° *1 With interchangeable-lens digital camera incorporating APS-C type image sensors.
Angle of view (35mm)	94°-34°
Maximum aperture (F)	4
Minimum aperture (F)	22
Number of aperture blade	9
Circular aperture	Yes
Minimum focus distance (m)	0.3(W)-0.25(T) (AF) 0.25 (MF)
Minimum focus distance (ft)	0.99(W)-0.82(T) (AF) 0.82 (MF)
Maximum magnification ratio (x)	0,39
Filter diameter (mm)	72
Image stabilization (SteadyShot)	- (body-integrated)
Zoom system	Manual
Teleconverter compatibility (x1.4)	Incompatible
Teleconverter compatibility (x2.0)	Incompatible
Hood type	Petal shape, bayonet type

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Dimensions dia. x length (mm)	78.7 x 99
Dimensions dia. x length (in.)	3-1/8 x 4
Weight (approx.) (g)	488
Weight (approx.) (oz.)	17,3
<b>Supplied accessories</b>	
Hood (model)	ALC-SH174
Lens front cap	ALC-F72S
Lens rear cap	ALC-R1EM
Case	Yes (soft case)
Other	-
<b>Other Information</b>	
Fluorine coating	Yes
Mount rubber ring	Yes
ED/Super ED glass (elements)	ED (3)
Aspherical lens (elements)	Yes (4) (including 2 AA lens and 1 ED aspherical)
Lens coating	Multi-coating
Focusing type	Internal
AF actuator	XD Linear Motor x2
Linear Response MF	Yes

1. January 2023, Sony survey of full-frame constant aperture F4 standard zoom lenses.
2. Compared to the SEL2470Z. Sony test conditions.
3. "Hi+" continuous shooting mode with ILCE-1. Effective at 1/125 sec. or higher shutter speed. In AF-C mode at shutter speeds of 1/250 sec. or higher the maximum continuous frame rate will depend on the shooting mode.
4. Compatibility info at: <https://www.sony.net/dics/breathing/>. Available in movie mode only. Angle of view and image quality may change slightly when this function is used. Compensation may not be able to cover all situations.
5. Active Mode causes a slight reduction in angle of view.
6. Not guaranteed to be 100% dust and moisture proof.
7. Features and specifications are subject to change without prior notice.

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