

SEL16F18G

FE 16mm f/1.8 G

The FE 16mm F1.8 G can capture wide-angle imagery with gorgeous background bokeh. This expressive prime G Lens™ is great for scenery, architecture, starry skies, and more. It also offers outstanding close-up capability and precise, quiet AF. The FE 16mm F1.8 G accepts standard 67 mm filters, is compact and lightweight, and is easy to balance on a gimbal.



Bullets

- 16 mm ultra-wide G Lens™ with a stunning blend of high resolution and beautiful bokeh at F1.8
- Two AA (Advanced Aspherical) lens minimize field curvature and astigmatism for stunning resolution
- Minimum focus distance: 0.15 m (0.5ft) (AF)/0.13 m (0.43ft) (MF)
- Compact and lightweight design of 304 g (10.8 oz.)
- Two XD linear motors for fast, precise, quiet autofocus that supports high-level imaging
- Minimized focus breathing, refined, stable performance for movies
- Front filter can be attached (filter diameter ϕ 67 mm)
- Both a click ON/OFF switch and an iris lock switch for quick, flexible aperture control
- A dust and moisture resistant design³

Features

Dynamic perspectives and smooth bokeh at 16 mm

With a 16 mm angle of view and F1.8 aperture, the FE 16mm F1.8 G can capture wide-angle imagery with gorgeous background bokeh. This expressive prime G Lens™ is great for scenery, architecture, starry skies, and more. It also offers outstanding close-up capability and precise, quiet AF. The FE 16mm F1.8 G accepts standard 67 mm filters, is compact and lightweight, and is easy to balance on a gimbal.

Outstanding resolution in ultra-wide views

Two AA (Advanced Aspherical) lens minimize field curvature and astigmatism for stunning image-wide resolution at all apertures. One Super ED (Extra-low Dispersion) glass element and three ED elements suppress chromatic aberration, while an optimized coating minimizes flare and ghosting. This is an ideal lens for creating spectacular wide-angle images.

The beauty of G Lens bokeh at F1.8

When beautiful bokeh is the goal, this G Lens really delivers with its large F1.8 maximum aperture, 11-blade circular aperture mechanism, and carefully controlled spherical aberration.

Eye-opening close-up performance

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Large-aperture, ultra-wide, and compact

Aspherical lens elements, including Sony's high-precision AA (Advanced Aspherical) lens, result in a full-frame ultra-wide lens that is 73.8 x 75 mm (3 x 3 in) and weighs just 304 g (10.8 oz). It is compact, lightweight, and mobile while delivering spectacular imaging performance for a wide range of subjects including landscapes, architecture, night scenes, and more.

Advanced AF supports high-level imaging

Two XD (extreme dynamic) linear motors ensure fast, precise AF and tracking. A dedicated control algorithm achieves enhanced response with minimal delay and vibration so that the lens's large focus group is driven smoothly and quietly. All of this makes it easier to capture the most important moments when shooting active, fast-moving subjects.

Refined, stable performance for movies

Focus breathing is controlled so that angle of view shifts are minimized for smooth movie footage. The breathing compensation function¹ in compatible α bodies is also supported, and in-body Active Mode² image stabilization makes it easy to shoot stable movies while walking. The lens accepts 67 mm filters, and is compact, lightweight, and easy to balance on a gimbal.

Comprehensive control

In addition to the normal focus hold function, other functions can be assigned to the focus hold button via the camera controls as needed. A focus mode switch conveniently located on the side of the lens barrel makes it easy to switch between auto and manual focus without having to take your eye off the viewfinder.

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.

Aperture ring with click ON/OFF switch

An aperture ring provides on-the-fly aperture control, and a click ON/OFF switch optimizes aperture ring operation for different types of shooting. The click stops can be turned ON to provide tactile feedback when shooting stills, or OFF for quiet, continuous aperture control when shooting movies.

Iris lock prevents unwanted aperture changes

An iris lock switch prevents unwanted aperture changes while shooting. When locked, the aperture is either locked at the [A] position or can be rotated between any of the manual settings.

Extra reliability for outdoor shooting

A dust and moisture resistant design³ provides ample reliability when shooting outdoors. The front element features a fluorine coating that repels contaminants and makes the lens easier to clean.

Specification

What's in the Box	
Supplied Accessories	Hood (model) ALC-SH184, Lens front cap ALC-F67S, Lens rear cap ALC-R1EM
Lens Specifications	
Lens Mount	Sony E-mount
Format	35mm full frame
Focal-Length (mm)	16
35mm equivalent focal-length (APS-C) (mm)	24
Lens Construction (groups-elements)	12-15
Angle of View (APS-C)	83° * With interchangeable-lens digital camera incorporating APS-C type image sensors.
Angle of View (35mm)	107°
Maximum Aperture (F)	1.8
Minimum Aperture (F)	22
Aperture Blades	11
Circular Aperture	Yes
Minimum Focus Distance (m)	0.15(AF) 0.13(MF)
Minimum Focus Distance (ft)	0.5(AF) 0.43(MF)
Maximum Magnification Ratio (x)	0.25(AF) 0.3(MF)
Filter Diameter (mm)	67
Image Stabilization (SteadyShot)	- (body-integrated)
Teleconverter Compatibility (x1.4)	Incompatible

Teleconverter Compatibility (x2.0)	Incompatible
Hood Type	Petal shape, bayonet type
Dimensions dia. x length (mm)	73.8 x 75
Dimensions dia. x length (in.)	3 x 3
Weight (approx.) (g)	304
Weight (approx.) (oz.)	10.8

1. Camera compatibility info at: <https://www.sony.net/dics/breathing/> Not available when shooting stills. Angle of view and image quality may change slightly when this function is used. Effective compensation may not be achieved in all situations.
2. Compatible models only.
3. Not guaranteed to be 100% dust and moisture proof.

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