

# SONY

## SEL2450G

### **FE 24-50mm F2.8 G Compact, lightweight standard zoom lens with large F2.8 constant aperture**

With a 24-50 mm range that is well matched for everyday use, SEL2450G combines a large F2.8 constant aperture with outstanding G Lens™ image quality in a remarkably compact, lightweight design. With fast, precise AF and comprehensive control, this versatile lens is an ideal choice for stills and movies anywhere.



## **Bullets**

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- A compact F2.8 zoom that is ready to go anywhere
- Outstanding G Lens™ image quality with high resolution at all focal lengths
- Peak performance AF with two Linear Motors for precise, fast, quiet focus drive
- Excellent close-up performance of 18cm (7.09") at 24mm manual focus
- Compact, lightweight design for superb image quality and versatility
- Deep, naturally rendered bokeh emphasizes the subject
- Constant F2.8 aperture in a mobile zoom that is great for movies
- Circular aperture with 11-blade iris for naturally rendered bokeh
- Advanced aspherical and ED glass elements control spherical and chromatic aberrations
- Dedicated aperture ring, click/de-click and iris lock switches
- Comprehensive control and Linear Response MF
- Front fluorine coating repels fingerprints, dust, water and oil
- Dust and moisture resistant<sup>5</sup> design for reliability in challenging conditions
- Front 67mm threaded for screw-on filters
- Petal shaped, bayonet mount lens hood ALC-SH178 supplied

## **Features**

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### **A compact F2.8 zoom that is ready to go anywhere**

With a 24-50 mm range that is ideal for everyday shooting, this versatile zoom offers a large F2.8 maximum aperture and beautiful rendering at all focal lengths in a remarkably compact, lightweight design. With the innovative FE 24-50mm F2.8 G you get refined large-aperture imaging performance for both stills and movies.

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

An advanced optical design that includes four aspherical elements and two ED (Extra low Dispersion) elements delivers high resolution throughout the 24-50 mm zoom range. Flare, ghosting, and color bleeding are effectively subdued for clear, detailed rendering.

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

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Two specially optimized linear motors and a precision control system acquire focus on any subject with remarkable speed and accuracy. Tracking performance is excellent, easily keeping up with Sony's advanced  $\alpha$ 9 III camera at up to 120 fps<sup>1</sup>. Precise, quiet focus is smoothly acquired and maintained even when shooting high frame rate 4K 120p or FHD 240p movies<sup>2</sup>.

## **Excellent close-up performance of 18cm (7.09") at 24mm manual focus**

Painstaking optical optimization has achieved excellent close-up performance at all focal lengths. Maximum magnification is 0.3x (AF)/0.33x (MF) with a minimum focus distance of 0.19 m (0.63 ft) (AF)/0.18 m (0.59 ft) (MF) at the wide end of the range for superb close-up performance that, combined with compact size, makes this lens great for tabletop photography.

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

Even though it boasts a high-performance optical design with four aspherical elements and a large F2.8 maximum aperture, this lens is only 74.8 mm in diameter by 92.3 mm in length (3 x 3-3/4 inch). Optimized construction enhances durability while reducing weight to just 440 grams (15.6 oz.) for agile mobility and minimum stress during long shooting sessions.

## **Deep, naturally rendered bokeh emphasizes the subject**

A maximum aperture that remains constant at F2.8 throughout the zoom range, state-of-the-art optical design, and an 11-blade circular aperture unit all work in harmony to deliver the smooth, deep bokeh that is a hallmark of Sony's G Lens line-up. Exquisite bokeh naturally emphasizes the subject.

## **Constant F2.8 aperture in a mobile zoom that is great for movies**

Precise, quiet AF and an F2.8 aperture in a compact, lightweight zoom is ideal for movies. Minimal center of gravity shift makes this lens a good choice for gimbal or drone mounting. Combined with in-camera Active Mode stabilization<sup>3</sup> it can deliver stable handheld footage at wide angles while walking. Breathing compensation<sup>4</sup> and metadata recording are supported.

## **Circular aperture with 11-blade iris for naturally rendered bokeh**

The deep, soft bokeh available with full-frame image sensors is further enhanced by a 11-blade circular aperture and optimally tuned spherical aberration. All of this supports the creation of impressive, memorable imagery.

## **Advanced aspherical and ED glass elements control spherical and chromatic aberrations**

Four advanced aspherical and two ED (Extra-low Dispersion) glass elements ensure corner to corner high contrast and significantly reduce chromatic aberration for sharp reproduction without color bleeding.

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

For direct, intuitive creative control when shooting stills and movies, this lens features a full complement of three control rings: focus, zoom, and aperture. 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.



## Comprehensive control and Linear Response MF

In addition to three control rings the FE 24-50mm F2.8 G includes a customizable focus hold button and AF/MF switch. Linear Response MF ensures immediate, intuitive manual focus control. Internal focus makes it easy to use rotatable 67 mm filters, such as variable ND types that are often used when shooting movies.

## 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>5</sup> design for reliability in challenging conditions

An updated dust and moisture resistant design<sup>5</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 67mm threaded for screw-on filters

The SEL2450G accepts standard 67 mm screw-on filters for expanded creative freedom – even with its F2.8 large aperture. 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-SH178 is supplied, and available separately as an optional accessory.

## Specification

Lens Specifications	
MOUNT	Sony E-mount
FORMAT	35mm full frame
FOCAL-LENGTH (MM)	24-50
35MM EQUIVALENT FOCAL-LENGTH (APS-C)	36-75
LENS GROUPS / ELEMENTS	13-16
ANGLE OF VIEW (35MM)	84 -47
ANGLE OF VIEW (APS-C)	61 -32 1
MAXIMUM APERTURE (F)	2.8
MINIMUM APERTURE (F)	22

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APERTURE BLADES	11
CIRCULAR APERTURE	Yes
MINIMUM FOCUS DISTANCE	0.19(W)-0.30(T) (AF), 0.18(W)-0.29(T) (MF) m (0.63(W)-0.99(T) (AF), 0.59(W)-0.96(T) (MF) ft)
MAXIMUM MAGNIFICATION RATIO (X)	0.30 (AF), 0.33 (MF)
FILTER DIAMETER (MM)	67
IMAGE STABILIZATION (STEADYSHOT)	- (body-integrated)
ZOOM SYSTEM	Manual
TELECONVERTER COMPATIBILITY (X1.4)	-
TELECONVERTER COMPATIBILITY (X2.0)	-
HOOD TYPE	Petal shape, bayonet type
<b>Size &amp; Weight</b>	
DIMENSIONS (D X L)	74.8 x 92.3 mm (3 x 3-3/4 in.)
WEIGHT	440 g (15.6 oz.)
<b>What's in the Box</b>	
Supplied Accessories	Hood (model)   ALC-SH178, Lens front cap   ALC-F67S, Lens rear cap   ALC-R1EM

1. Sony test conditions. Maximum continuous frame rate may be lower in some shooting conditions. Continuous shooting speed may vary depending on the lens used in AF-C focus modes.
2. Depending on the camera and settings used.
3. Compatible models only.
4. See camera compatibility info at: <https://www.sony.net/dics/breathing/> Angle of view and image quality may change slightly when this function is [ON]. Effective compensation may not be achieved in all situations.
5. Not guaranteed to be 100% dust and moisture proof.
6. Features and specifications are subject to change without prior notice.

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