



## SELP1020G

### E PZ 10-20mm F4 G APS-C constant-aperture power zoom G lens



## Bullets

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- Check Camera to Lens Compatibility: [https://support.d-imaging.sony.co.jp/www/cscs/lens\\_body/](https://support.d-imaging.sony.co.jp/www/cscs/lens_body/)
- The world's smallest, lightest<sup>1</sup> ultra-wide-angle constant F4 APS-C power zoom lens
- Dynamic perspectives and G Lens quality throughout the 10-20mm range
- Power zoom with variable speed lever, responsive operation and control
- Fast, precise, quiet AF and tracking for movies and stills with 2 linear motors
- Reduced focus breathing and shift while zooming for refined movie imagery
- Consistent balance for easy handling with internal focus and zoom structures
- Control zoom remotely<sup>3</sup> with compatible cameras, accessories or smart devices
- Naturally rendered bokeh and excellent close-up performance (7.9" AF)
- Linear Response MF for precise, repeatable manual focus control
- Dust and moisture resistant<sup>4</sup> design for reliability in challenging conditions
- ED and ED aspherical elements correct spherical and chromatic aberrations
- Minimum focusing distance is just 5.1" (W), 6.7" (T), 0.18 max magnification
- Instant auto/manual focus selection via AF/MF switch
- Focus hold button can be customized for various functions
- Petal-shaped, bayonet mount lens hood supplied

## Features

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### The world's smallest, lightest ultra-wide-angle constant F4 APS-C power zoom lens<sup>1</sup>

Just 2-1/4" long and weighing a mere 6.3 oz. (55mm, 178 g), this is the world's smallest, lightest ultra-wide-angle power zoom lens<sup>1</sup>. Thanks to internal zoom and focus, the lens does not change in length when focusing or zooming, providing a stable center of gravity that is ideal for vlogging or gimbal-mounted shooting. The unique combination of outstanding mobility and versatile power zoom opens up creative opportunities not possible with other lenses.

### Dynamic perspectives and outstanding G Lens resolution throughout the 10-20mm zoom range

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Dynamic, ultra-wide perspectives with outstanding resolution across the frame are assured with three aspherical elements to suppress field curvature and astigmatism that can be problematic in wide angle lenses. Two ED (Extra-low Dispersion) elements and an ED aspherical element contributes to outstanding image-wide resolution throughout the 10-20 mm zoom range (35mm full-frame eq 15-30 mm)

## **Power zoom with variable speed lever, responsive operation and control**

A new electronic power zoom system instantly converts zoom ring control to change in focal length, so the creator's intent is faithfully captured. Precise changes in angle of view can be easily achieved, providing extra capability for visual expression. A zoom lever with continuously variable zoom speed makes it easy to execute super-slow constant-speed zooms and perform other operations that are difficult with manual zoom. Power zoom minimizes camera shake that can occur when operating a zoom ring so that even solo shooters can produce smooth, stable movie sequences.

## **Fast, precise, quiet AF and excellent response**

Two linear motors ensure fast, quiet, low vibration autofocus that can smoothly track subjects when shooting high frame rate movies and reliably follow fast-moving subjects when shooting stills continuously at high speed. Focus is especially critical when shooting rate 4K or 8K movies, which this lens handles with ease.

## **Reduced focus breathing and shift while zooming for refined movie imagery**

Advanced lens technology reduces focus breathing as well as focus and axial shift when zooming so that high quality images and movies can be easily captured. This lens also supports the breathing compensation function provided by compatible alpha cameras, further reducing unwanted angle of view shifts during focusing for smooth, high-quality movie footage<sup>2</sup>.

## **Consistent balance for easy handling with internal focus and zoom structures**

Although this compact wide-angle zoom lens weighs just 6.3 oz (178 g), it does not compromise functionality or performance. Its length remains constant while focusing and zooming for optimal balance and handling, which also makes it ideal for gimbal or even aircraft mounted movie shooting or with the use of a matte box.

## **Control zoom remotely with compatible cameras, accessories or smart devices**

In addition to the zoom controls built into the lens, zoom can be operated without having to touch the camera or lens, with variable speeds and from assignable buttons and controls on compatible cameras, accessory grips or remote commanders for convenient, versatile operation in a variety

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of situations<sup>3</sup>.

## **Naturally rendered bokeh and excellent close-up performance (7.9" AF)**

The use of aspherical elements in an advanced optical design also ensures excellent close-up performance throughout the lens's zoom range. Minimum autofocus distance is just 7.9" (0.2 m) with a maximum magnification of 0.14x, while minimum manual focus distance 5.1 - 6.7" (0.13 – 0.17 m) with a maximum magnification of 0.18x.

## **Linear Response MF for precise, repeatable manual focus control**

Linear Response MF ensures that the focus ring responds directly and linearly to subtle control when focusing manually. It also provides precise repeatability. Focus ring rotation translates directly to a corresponding change in focus, so control feels immediate and precise when shooting stills or movies.

## **Dust and moisture resistant design**

An updated dust and moisture resistant design<sup>4</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.

## **ED aspherical lens elements correct spherical and chromatic aberrations**

This remarkably compact lens includes an ED (Extra-low Dispersion) aspherical element and two ED glass elements that reduce chromatic aberration throughout the image area, achieving natural color and high contrast without color bleeding.

## **Customizable focus hold button**

A customizable focus hold button is provided for easy access and convenient control in just about any shooting situation. Other functions can be assigned to the focus hold button from compatible camera's menu.

## **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.

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

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Petal-shaped, bayonet mount lens hood supplied

## Specification

Lens Specifications	
Type	Interchangeable lens
Product name	E PZ 10-20mm F4 G
Model name	SELP1020G
Lens mount	Sony E-mount
Format	APS-C
Focal-length (mm)	10 - 20 mm
35mm equivalent focal-length (APS-C) (mm)	15 - 30 mm
Lens construction (groups-elements)	8 / 11
Angle of view (APS-C) *With interchangeable-lens digital camera incorporating APS-C type image sensors.	109°-70°
Maximum aperture (F)	4
Minimum aperture (F)	22
Number of aperture blade	7
Circular aperture	Yes
Minimum focus distance (m)	0.20(AF) Wide:0.13/Tele:0.17(MF)
Minimum focus distance (ft)	0.66(AF) Wide:0.43/Tele:0.56(MF)
Maximum magnification ratio (x)	0.14(AF) 0.18(MF)
Filter diameter (mm)	62
Image stabilization (SteadyShot)	- (body-integrated)
Zoom system	Powered

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Teleconverter compatibility (x1.4)	Incompatible
Teleconverter compatibility (x2.0)	Incompatible
Hood type	Petal shape, bayonet type
Dimensions dia. x length (mm)	69.8 x 55.0
Dimensions dia. x length (in.)	2-3/4 x 2-1/4
Weight (approx.) (g)	178
Weight (approx.) (oz.)	6.3
<b>Supplied accessories</b>	
Hood (model)	ALC-SH169
Lens front cap	ALC-F62S
Lens rear cap	ALC-R1EM
<b>Other Information</b>	
Mount rubber ring	Yes
ED/Super ED glass (elements)	ED (2)
Aspherical lens (elements)	Yes (4)
Lens coating	Multi-coating
Focusing type	Internal
AF actuator	Linear motor
Zoom actuator	Linear
Linear Response MF	Yes
Zoom rotation reversing	Yes
<b>What's in the Box</b>	
Supplied Accessories	Lens hood: ALC-SH169 Lens front cap: ALC-F62S Lens rear cap: ALC-R1EM

1. As of June 2022, Sony survey of interchangeable ultra-wide-angle APS-C zoom lenses for mirrorless cameras
2. Compatible with Breathing Compensation function. For more compatibility information, refer to: <https://www.sony.net/dics/breathing/>
3. Zoom operation depends on the camera and/or accessory used. Refer to the Help Guide for details.
4. Not guaranteed to be 100% dust and moisture proof.
5. Features and specifications are subject to change without prior notice.

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