

# SONY

## SEL1655G

### E 16-55mm F2.8 G lens

A compact, large-aperture APS-C standard zoom for users who want a small, lightweight system that provides advanced control as well as outstanding image quality. This 16-55mm (24-82.5 mm full-frame equiv.) standard zoom lens weighs in at only 494g. The advanced G lens design suppresses aberration, reflections, flare and ghosting, while the 9-blade circular aperture contributes to gorgeous bokeh. It incorporates the same XD (Extreme Dynamic) Linear Motor technology found in the Full-frame G Master series to obtain fast, precise, quiet autofocus and tracking.



### Key Features

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#### Premium G Lens optical design

This 16-55mm (24-82.5 mm full-frame equiv.) standard zoom lens weighs in at only 494g. The advanced G lens design includes two Advanced Aspherical and two Aspherical elements to suppress aberration and three ED (Extra-low dispersion) glass elements and Nano AR coating to suppress reflections, flare and ghosting. The 9-blade circular aperture contributes to gorgeous bokeh while the XD (Extreme Dynamic) Linear Motor offers fast, precise, quiet AF and tracking.

#### F2.8 max aperture

The F2.8 max aperture maintains exposure and depth of field, allowing you to isolate your subject from the foreground and background with amazing light gathering capabilities when shooting wide open. When changing your aperture to defocus the background, the areas out of the focal plane appear blurred. This 'bokeh' effect of the blurred background is enhanced with circular aperture blades used in this lens.

#### 9-blade circular aperture contributes to gorgeous bokeh

The 9-blade circular aperture maximizes the beauty of this large-aperture prime lens, contributing to impressive images in which the subject stands out against a smoothly defocused foreground and background, as well as perfectly round points of defocused light. Conventional aperture blades have flat sides that create unappealing, polygonal-shaped defocused points of light. Alpha lenses overcome this problem through a unique design that keeps the aperture almost perfectly circular from its wide-open setting to when it is closed by 2 stops. Smoother, more natural defocusing can be obtained as a result.

#### Two AA (advanced aspherical) elements and two aspherical elements

Two AA (advanced aspherical) elements and two aspherical elements suppress aberration for outstanding corner-to-corner G Lens resolution. These four specially shaped "aspherical" elements restore alignment of light rays at the image plane, maintaining high sharpness and contrast even at maximum aperture and ultra-wide angles, achieving impressively high resolution that fully satisfies expectations for the G Lens brand.

#### XD Linear Motor for fast, precise, quiet AF

Sony's advanced XD (extreme Dynamic) linear motor technology - the same type used in G Master series lenses - focuses on and tracks even fast-moving subjects with outstanding speed and precision. Operation is also quiet, allowing videographers to take advantage of the constant F2.8 aperture.

#### Three ED (Extra-low dispersion) glass elements

Three ED (Extra-low Dispersion) glass elements take axial chromatic aberration and chromatic aberration due to differences in magnification out of the picture, maximizing resolution and bokeh while leaving precisely rendered edges with no fringing or unnatural coloration, while significantly reducing flare and ghosting.

#### Nano AR coating suppresses reflections, flare and ghosting

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Sony's original Nano AR Coating technology minimizes flare and ghosting, for dynamic range that achieves lifelike detail and gradation with advanced camera sensors. This precisely defined regular nano-structure allows accurate light transmission, contributing to high-quality images, even more so than with lenses that use coatings with an irregular nano-structure. The reflection suppression characteristic of the Nano AR Coating is superior to conventional anti-reflective coatings, providing a notable improvement in clarity, contrast, and overall image quality.

## Focus hold button, programmable for multiple functions

The focus hold button not only performs its primary function to lock focus when recomposing, but can be customized to a number of other functions depending on your needs. In addition to Focus Hold, these custom functions include: Eye AF, AF On, Aperture Preview, Shot Result Preview or Bright Monitoring.

## Linear Response MF

Linear Response MF realizes precise manual focus control, closely equivalent to mechanical manual focus, which enables linear focus transition to ring rotation angle for repeatable and accurate manual focus that is especially desirable for MF control during video capture.

## Instant auto/manual focus selection

Instantly and quickly 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 chose.

## Dust and moisture resistant for robust reliability<sup>1</sup>

The dust and moisture resistance design makes this lens appropriate for heavy-duty outdoor use, especially when combined with a camera that employs weather resistant measures<sup>1</sup>.

## Fluorine 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 that do become attached to the lens surface.

## Close-up shooting

Get a unique perspective through close-up, shooting. The combination of high close-up capability with a minimum focusing distance of 13" (0.33m) and a max. magnification of 0.2x to produces unique expression with dramatic perspectives and beautiful background bokeh.

## Specifications

Lens Specifications	
35mm equivalent focal-length (APS-C) (mm)	24-82.5
Angle of view (APS-C)	83°-29°
Circular aperture	Yes
Dimensions dia. x length (in.)	2 7/8 x 4
Dimensions dia. x length (mm)	73x100
Filter diameter (mm)	67
Focal-length (mm)	16-55
Format	APS-C
Hood type	Petal shape, bayonet type
Image stabilization (SteadyShot)	-(body-integrated)
Lens construction (groups-elements)	12-17
Lens mount	Sony E-mount
Maximum aperture (F)	2.8
Maximum magnification ratio (x)	0.2
Minimum aperture (F)	22
Minimum focus distance (ft)	1.09
Minimum focus distance (m)	0.33

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Model name	SEL1655G
Number of aperture blade	9
Product name	E 16-55mm F2.8 G
Type	Interchangeable lens
Weight (approx.) (g)	494
Weight (approx.) (oz.)	17.5
Zoom system	Manual
Accessories	
Supplied Accessories	Hood (ALC-SH161) Lens front cap (ALC-F67S) Lens rear cap (ALC-R1EM) Case (soft case)

1. Not guaranteed to be 100% dust and moisture resistant

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