

SONY

SEL50F14Z

Wide F1.4 50mm prime ZEISS® lens

High-performance 50mm prime lens featuring a large F1.4 maximum aperture with outstanding contrast and resolution that are hallmarks of the ZEISS brand. The bright F1.4 maximum aperture offers excellent low light performance and adds to the 11-blade aperture and aspheric elements for gorgeous bokeh. 12 Elements in 9 Groups with two aspherical elements, including a high-precision AA (advanced aspherical) type and ED (Extra-low Dispersion) glass element, help maintain outstanding contrast and resolution right out to the image periphery. ZEISS® T* coating delivers superior contrast and resolution.



Key Features

50mm wide aperture Prime lens with ZEISS® Planar design

High-performance 'normal' 50mm prime lens is the ideal focal length for most photographers. The bright F1.4 maximum aperture delivers excellent low-light performance and control over defocused backgrounds. A state-of-the-art optical design includes 12 Elements in 9 Groups with Advanced Aspheric and ED glass - reducing spherical aberration and distortion to an absolute minimum for a flat image plane that is consistent with the Planar name.

Center to corner sharpness with outstanding resolution

12 Elements in 9 Groups including Aspherical lens design which dramatically reduces spherical aberration while also reducing lens size and weight. Spherical aberration is a slight misalignment of the light rays projected on the image plane. This is caused by differences in refraction at different points on conventional spherical lenses which degrade image quality in large-aperture lenses. Specially shaped "aspherical" elements near the diaphragm restore alignment of light rays at the image plane, maintaining high sharpness and contrast even at maximum aperture and can also be used at other points in the optical path to reduce distortion. While ED glass dramatically reduces chromatic aberration and provides superior contrast across the entire image, even at large aperture settings.

ZEISS® T* coating delivers superior contrast and resolution

Coated optics were pioneered by Carl Zeiss® -- and this superb lens features the ZEISS® T* (T-Star) coating that virtually eliminates lens flare, internal reflection and light scattering that can otherwise occur at glass-to-air surfaces. The T* coating contributes to outstanding image quality, with high contrast and uniformly excellent resolution right out to the image edges. Not simply applied to any lens -- the T* symbol only appears on multi-element lenses in which the required performance has been achieved throughout the entire optical path, therefore guaranteeing the highest quality.

11-blade circular aperture for gorgeous bokeh

When changing your aperture to defocus the background, the light sources appear blurred. This 'bokeh' effect of the blurred background can be enhanced with circular aperture blades used in this lens. Conventional aperture blades have flat sides creating unappealing polygonal shaped defocused points of light. α 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.

Ring Drive SSM

Expect fast, quiet and precise focusing thanks to ring drive SSM (Super Sonic wave Motor) which ensures pinpoint focus by positioning the lens's heavy focusing group with impressive speed and precision.

Aperture ring with a selectable click ON/OFF switch

A responsive aperture ring offers positive action that will satisfy professional photographers and moviemakers alike. The aperture ring click stops can be switched on or off as required. "Off" is the preferred setting for moviemaking since it results in the least aperture operation noise. When "On" the ring provides tactile feedback that is useful when shooting stills.



AF/MF switch for direct auto/manual focus control

An AF/MF focus mode switch on the lens allows fast and easy control of switching between auto and manual focus without having to take your eye off your subject or having to go into menus.

Dust and moisture resistant for robust reliability

Sealing at all joints minimizes the chance of dust and moisture intrusion for maximum reliability in the widest possible range of shooting conditions.*

Specifications

Optics/Lens	
Lens Type	35mm full frame
Lens Mount Type	Sony E-mount
Aperture (Max.)	f/1.4
Aperture (Min.)	f/16
Focal Length (35mm equivalent)	50mm (35mm) 75mm (APS-C)
Filter Diameter	72mm
Lens Groups-Elements	9 groups -12 elements
Minimum Focus Distance	1.48ft 0.45m
Angle of View	32° (APS-C) 47° (35mm)
Aperture Blade	11 blades (Circular aperture)
Maximum Magnification	0.15x
Advanced Features	
Image Stabilization	SteadyShot: - (body-integrated)
Weights and Measurements	
Dimensions (Approx.)	3-3/8" x 4-3/8" (83.5 x 108mm)
Weight (Approx.)	27.5 oz (778g)
Accessories	
Supplied Accessories	ALC-SH143 bayonet type lens hood (petal) Lens front cap (ALC-F72S) Lens rear cap (ALC-R1EM) Case

* Although the design is dust and moisture resistant, absolute protection from dust and moisture is not guaranteed.
** Refer to the SEL14TC / SEL20TC (sold separately). At the time of release these teleconverters are only compatible with the SEL70200GM.
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