



Legendary Carl Zeiss® optics

A great camera starts with a great lens and Sony has collaborated with Carl Zeiss to create a series of high-quality interchangeable lenses for digital SLT and NEX cameras. Precision lenses by Carl Zeiss are prized by serious photographers and film-makers around the world and the company's precision optical instruments have helped document some of the most iconic moments in human history and ensure for the best in image quality.

A new optical design for top-end image quality

The luxurious new optical design features 8 elements in 5 groups, with two aspherical elements for ultimate performance despite being a standard 50mm lens. The design is extremely effective at correcting various aberrations and realizes flat reproduction characteristics (minimal field curvature) befitting the renowned "Planar" name. Moreover, the combination of a rear-focus system and aspheric surfaces achieves high contrast from infinity to close distances for clear, sharp images even when the aperture is wide open.

Circular Aperture

With its 9-blade circular aperture, a design said to produce the most beautiful bokeh, this lens realizes beautiful defocusing unique to Sony and meets the stringent demands of advanced-class users who are serious about photographic expression.

SteadyShot INSIDE™ image stabilization

The SteadyShot INSIDE™ image stabilization system built into Sony A-mount cameras provides image stabilization without affecting image quality, an advantage that supports the high depiction performance of top-class lenses.

Quiet and smooth AF operation thanks to SSM

Autofocusing is smooth and quiet, courtesy of a Super Sonic wave Motor (SSM). Excellent focusing performance is complemented by features including a focus hold button, a focus ring that doesn't rotate during AF operation, a DMF (Direct Manual Focus) function, and a rear-focus system that maintains the same lens body length during autofocusing.

Dust and drip resistant design

The lens offers dust and drip resistance that meet the standards of mid-range models like the α99 and α77. The main drive unit is sealed with rubber packing, etc., to realize ample dust and drip resistance as a system when mounted on a camera to withstand tough usage in harsh environments.

High-grade metal body

The high-grade lens body is constructed of aluminum that offers both high rigidity and an attractive finish that contributes to pride of ownership.

Carl Zeiss® Planar Lens

The Carl Zeiss® Planar lens first became synonymous with high-performance lenses by realizing a large aperture, flat reproduction characteristics, and the successful removal of astigmatism. Once the T* coating was introduced to dramatically reduce internal reflection from its progressive double Gauss design (with front-back symmetry), Planar became one of the most renowned lenses in the Carl Zeiss lineup, which is synonymous with high-performance standard lenses.

Carl Zeiss® T* Coating

Coated optics were pioneered by Carl Zeiss® -- and this superb lens features T* (T-Star) coating that virtually eliminates the lens flare, internal reflection and light scattering that can otherwise occur at glass-to-air surfaces.

Superior Large-Aperture Performance

Like other large-aperture Carl Zeiss® lens designs, this f1.4 lens is simply magnificent in its ability to capture brilliant high-resolution images in low-light conditions requiring fully open aperture.

SSM (Super Sonic wave Motor)

Designed for fast, smooth, silent automatic focusing, this unique technology achieves high torque at low speed with rapid start/stop response. It operates through the ability of a piezoelectric device to reshape itself quickly when voltage is applied.

Glass-Molded Aspherical Lens Elements

These precision lens elements correct distortion for sharper, more visually accurate images.

ED (Extra-low Dispersion) Glass

Because light of different wavelength (or color) bends at different angles when it passes through a lens, ED (Extra-low Dispersion) Glass is used in Carl Zeiss® lenses to eliminate chromatic aberration by correcting certain wavelengths of light for sharp, clear images with well-defined colors.

Specifications

Optics/Lens	
Lens Type	Normal
Aperture (Max.)	f/1.4
Aperture (Min.)	f/22
Focal Length (35mm equivalent)	35mm equivalent focal length (APS-C) 75mm
Filter Diameter	72 mm
Lens Groups-Elements	8 elements in 5 groups
Minimum Focus Distance	1.6" (.45 m)
Aperture Blade	9 blades (circular aperture)
Aspheric Elements	2 elements
Distance Encoder	Yes
Magnification	x 0.14
Weights and Measurements	
Dimensions (Approx.)	3-1/4 x 2-7/8" (81 x 71.5mm)
Weight (Approx.)	1 lb 2.3 oz (518 g)
Service and Warranty Information	
Limited Warranty Term	1 year parts and labor
Accessories	
Supplied Accessories	Front and rear lens cap ALC-SH126 solid-circular lens hood, bayonet type