

SELP18110G

E PZ 18-110mm F4 G OSS



Overview

Super 35/APS-C power zoom for 4K movies

18 to 110 mm* zoom covers the most frequently used range for Super 35/APS-C movies with a constant F4 maximum aperture. G Lens optical performance delivers image quality that is suitable for 4K production throughout, right out to the image periphery. Sony SMO design minimizes image shift due to lens operation, while high-level zoom control and refined focus add to professional overall performance.

*27-165 35mm equivalent focal-length (APS-C)

For professional Super 35/APS-C production

An 18~110 mm powered zoom for Super 35/APS-C moviemaking, with constant F4 maximum aperture. G Lens optics deliver high resolution that is ideal for 4K production.

Smooth Motion Optics meet pro cinema needs

Sony's original SMO (Smooth Motion Optics) design and construction minimizes breathing, axial shift, and focus shift while ensuring smooth, quiet operation.

High-level, versatile zoom control

Smooth powered zoom plus lag-free mechanical manual zoom. Accurate zooming without overshoot or undershoot. Switchable zoom ring direction, smooth slow powered zoom, and more.

Ideal size and weight for active shooting

A compact, lightweight design makes this lens ideal for situations that require mobility for active handheld camera work.

Features

For professional Super 35/APS-C production

This powered zoom lens delivers optimum performance in Super 35/APS-C moviemaking applications, starting at 18 mm wide-angle and extending through an impressive 6.1x zoom range with a constant F4 maximum aperture. G Lens optical performance delivers image quality that is suitable for 4K throughout the zoom range, right out to the image periphery.

Smooth Motion Optics meet pro cinema needs

Sony's original SMO (Smooth Motion Optics) design and construction minimizes optical shifts that can have a negative impact on movie quality. Focus breathing is minimized by an internal focus mechanism, focus shift is eliminated by precise focus tracking adjustment, and axial shift is minimized by a constant-length design.

High-level, versatile zoom control

In addition to smooth powered zoom, mechanical manual zoom ensures control with no lag. The desired angle of view can be accurately reached without overshoot or undershoot. Zoom ring direction can be easily switched as required, smooth, slow powered zoom is supported, and an inner zoom mechanism means that the lens's length remains constant.

Refined focus operation and features

The focus ring slides to switch between auto and manual focus, so the switchover can be made with no break or change in shooting posture. A 0.8 mm pitch focus gear is built right into the lens, providing direct compatibility with standard focusing accessories.

Optical SteadyShot

Built-in Optical SteadyShot image stabilization helps to keep captured images stable and blur-free in a wide range of shooting conditions. It can be a huge advantage when shooting in low light, minimizing the need to boost ISO and possibly introduce noise, as well as when moving around with the camera.

Ideal size and weight for active shooting

Compact, lightweight design contributes to the kind of mobility that active movie shooting demands. Small size and low weight can be advantageous when using gimbals and other types of support too.

Reliable in challenging conditions

A sealed dust and moisture resistant design provides extra protection and ensures reliable operation in challenging environments. Shoot with confidence in light rain or windy conditions.*

* Not guaranteed to be 100% dust and moisture proof.

Specifications

Lens Specifications

| | |
|---|--------------|
| Lens mount | Sony E-mount |
| Format | APS-C |
| Focal-length (mm) | 18-110 |
| 35mm equivalent focal-length (APS-C) (mm) | 27-165 |

| | |
|--|---|
| Lens construction (groups-elements) | 15-18 |
| Angle of view (APS-C) | 76°-14°30' |
| Maximum aperture (F) | 4 |
| Minimum aperture (F) | 22 |
| Number of aperture blade | 7 |
| Circular aperture | Yes |
| Minimum focus distance (m) | 0.4 (W) - 0.95 (T) m (AF / MF) ;0.95m (Full MF) m (1.31 (W) -3.12 (T) ft (AF / MF) ;3.12 ft (Full MF) ft) |
| Minimum focus distance (ft) | |
| Maximum magnification ratio (x) | 0.122 |
| Filter diameter (mm) | 95 |
| Image stabilization (SteadyShot) | Yes |
| Zoom system | Both manual and powered |
| Hood type | Square shape, bayonet type |
| Dimensions dia. x length (mm) | 110 x 167.5 mm |
| Dimensions dia. x | (4-3 / 8 x 6-5 / 8 in.) |

length (in.)

Weight (approx.) (g) 1105g (Without tripod mount)

Weight (approx.) (oz.) (39 oz.) (Without tripod mount)

Supplied accessories

Supplied accessories Hood (model): ALC-SH148;
Lens front cap: Yes;
Lens rear cap: ALC-R1EM;
Case: Yes;
Other: Tripod mount

Gallery

