

Rolleiflex SL66

Rollei



This 2 1/4" single lens reflex camera has long been a favorite with many photographers for its unique features and flexibility. Only the SL66 has built-in bellows and allows retro mounting of lenses for close-up and macro photography without accessories. In addition, the tilting lensboard provides for greater depth of field correction, even at wide apertures.

The standard magazine accepts either 120 or 220 film. The exposure counter automatically adjusts for either size, and gives an audible and visual signal to indicate the end of the roll. Accessory backs include a vertical and horizontal 6X4.5 back, and a Polaroid back.

For vibration-free shooting, the SL66 has a mirror lock-up control as well as a pneumatic dampening system. Other features include multiple exposure control; safety locks to prevent accidental exposure of film, interchangeable focusing screens, a dark slide storage compartment, and a film/no film indicator.

Technical Data

Camera Type:

6 X 6 cm (2 1/4 X 2 1/4") single lens reflex.

Lenses:

Standard — 80mm f/2.8 HFT Planar. Rollei SL66 Bayonet mount. Lens can be retro mounted without accessories for a reproduction ratio of 0.9 to 1.5 X, and a close focus distance of 4.75 inches.

Accessory lenses range from 30mm f/3.5 to 150mm f/4.0 and 1000mm f/8.0. Focal lengths currently under development include 120mm f/5.6, 250mm f/5.6 and 500mm f/5.6.

Shutter:

Focal plane shutter, speeds from 1 to 1/1000 second and B. Time exposures are achieved by locking the shutter release when shutter is set to B.

Viewfinder system:

Folding focusing screen with pop-up magnifier (supplied with camera). 45 degree prism finder available as an accessory.

Focusing screen:

Interchangeable. Standard screen — split image surrounded by microprism collar and square grid. Five accessory screens available.

Mirror:

Instant return mirror with pneumatic damper. Mirror lock-up provision.

Flash synchronization:

X-synchronization up to 1/30 second. At speeds faster than 1/30 second, flash contact disengages. Two accessory lenses with between-the-lens shutters are available when faster sync speeds are needed.

Bellows:

Extends 50mm and can be tilted 8° up or down for increased depth of field. Focusing strut indicates bellows extension and reproduction ratios for 80, 150, 120 and 80mm reversed lenses.

Film transport:

Crank operated with override for intentional multiple exposures.

Film loading:

Interchangeable magazine accepts 120 or 220 roll film. Changeover frame counter, 12 or 24 exposures; film feeler system for automatic transport lock at first frame; load indicator; safety locks; compartment for magazine slide; visual and audible film end indicators. Accessory magazines 6 X 4.5cm vertical, 6 X 4.5cm horizontal, Polaroid magazine.

Size:

5.3 X 6.8 X 4.4" (132.5 X 170 X 110mm) with lens.

Weight:

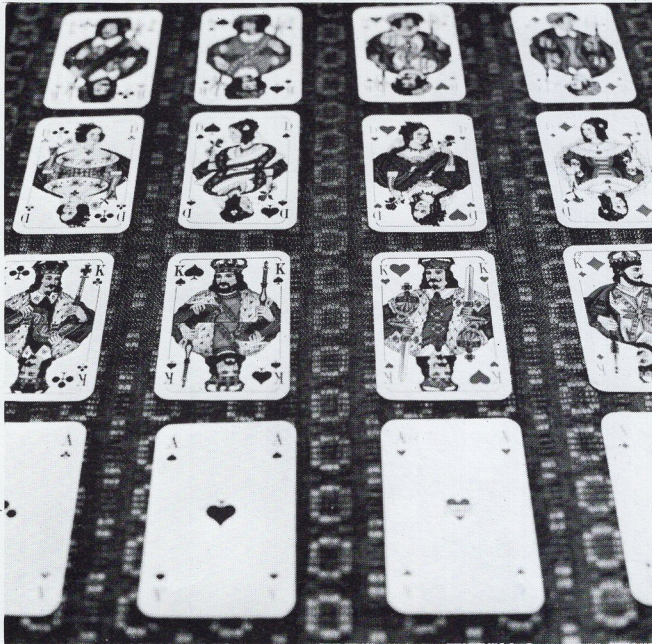
4 lbs., 3 oz. with lens (1876 gm)

SL66 body only, less lens and magazine

Cat. No. 202-010

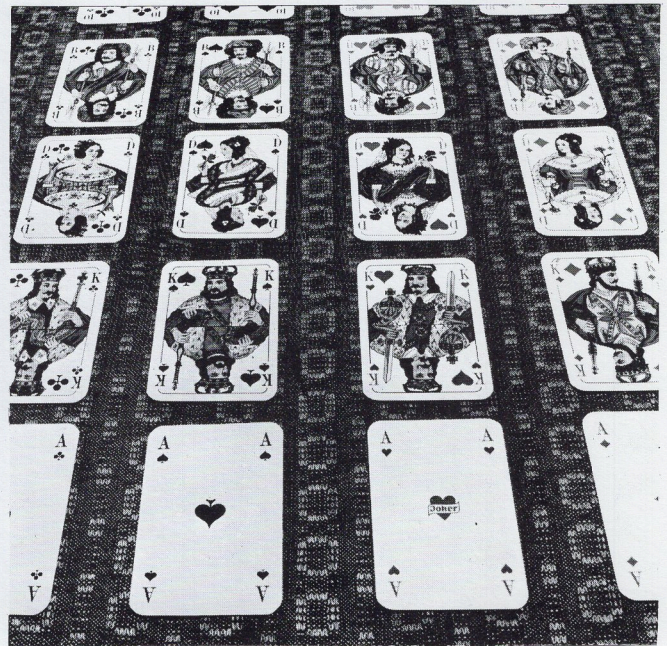
SL66 complete with one 120/220 magazine, Planar HFT 80mm f/2.8 lens

Cat. No. 202-114



Normal Focusing

Planar 2.8/80 mm with the lens not being tilted and at full aperture (f/2.8) the zone of sharpness in the picture is confined to a limited depth of field zone in the foreground.



Extended Depth

(Scheimpflug Condition) Planar 2.8/80 mm
With the lens tilted and at full aperture (f/2.8) the depth of field covered with sharpness extends from the foreground to the background.

Extended Depth-of-Field

The Rolleiflex SL66 lens can be tilted up or down 8° relative to the film plane. This ability satisfies the optical requirement for extended depth (the so-called Scheimpflug principle). This is one of the unique features of the SL66 — no other 2¼" SLR

has this capability. With the 8° tilt of the standard 80mm f/2.8 lens, a flat inclined surface can be photographed from about 34" to infinity — without stopping down. Subjects that are less than flat can also be brought into the depth of field zone with some stopping down.

In addition to visual screen focusing, there is an indicator chart supplied with the camera to permit precision settings and exact determination of the depth-of-field zone.

The depth-tilt feature of the SL66 provides the photographer with a tool for exploring a new dimension of creative freedom. Applications for this useful feature include architectural details and subjects, model shots, art, historical reproductions, advertising photography, product shots and close-ups.