



The SL66E is the world's first 2¼x2¼" SLR camera with built-in TTL (through the lens) flash and ambient metering designed for the professional.

Founded on the proven concept of the SL66, the SL66E maintains those same desired features and system flexibility while incorporating several new ones.

For close-up and macro photography, its built-in bellows and retro mounting capability of lenses without need of accessories, permits reproduction ratios of up to 1.5:1. In addition, the tilting lensboard of the SL66E provides for greater depth-of-field correction, even at wide apertures (Scheimpflug principle).

The standard magazine of the SL66E accepts either 120 or 220 film. Film speed selection is set on the magazine and automatically relayed to the metering system of the camera via an ASA setting dial. Built-in sensors automatically stop film advance at frame one and indicate the end of a roll by both an audible and visual signal.

Accessory magazines for the SL66E include a horizontal 6x4.5, and Polaroid back with darkslide.

The SL66E features a mirror lock-up control as well as a pneumatic dampening system for vibration free shooting. Other necessary features include multiple exposure control, safety locks to prevent accidental exposure of

film, user interchangeable focusing screens and a film/no film indicator.

A true system camera, the SL66E is supported by a complete line of high quality precision lenses and accessories. The lenses offer superior Zeiss optics and range from a 30mm Fisheye to a 1000mm super-telephoto.

Lenses now utilized with the SL66 are, of course, compatible with the SL66E and may also be adapted for open aperture operation with the SL66E.

In addition, all present SL66 accessories are useable with the SL66E, ideal for the present SL66 owner or those contemplating the purchase of one.

Technical Data

Camera Type:

2¼x2¼" (6x6cm) SLR camera with through-the-lens metering for ambient and flash with LED indicators.

Metering:

Through-the-lens, center-weighted integral measurement via three large-area silicon photo diodes. Film speed range: ASA 25-6400 (Din, 15-39).

Auto Exposure Range:

EV 1 to EV 18 at ASA 100 with 80mm f/2.8 Planar lens.

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 1.5X, and a close focus distance of 4.75 inches.

Accessory lenses range from 30mm f/3.5 to a 1000mm f/8.0.

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.

Viewfinder information:

Five (5) LED signals located above the focusing screen show under, correct or over-exposure. (Green = correct, Amber = +/- ½ stop Red = +/- 1 stop or greater).

Focusing screen:

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

Mirror:

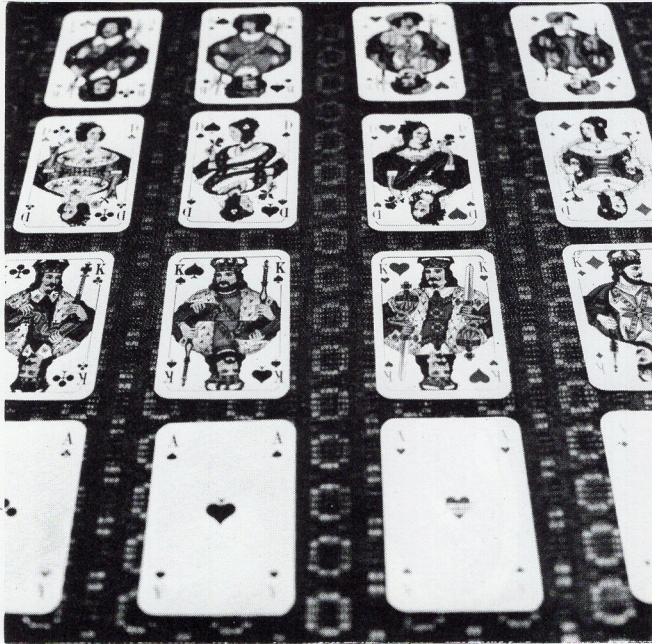
Instant return mirror with pneumatic damper. Mirror lock-up provision.

Flash synchronizaion:

PC terminal and dedicated hot shoe; flash synchronization up to 1/30 sec; with optional leaf shutter lenses (80mm f/4 Distagon and 150mm f/4 Sonnar) X-synchronization up to 1/500 sec.

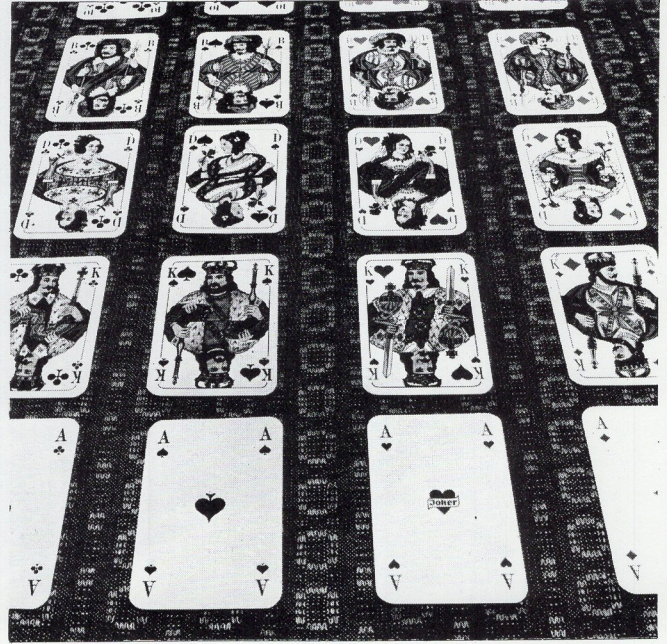
Rollei

SL66E



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.

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 with ASA dial 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 horizontal, Polaroid magazine.

Power:

One (1) 6 Volt PX 28 battery or equivalent.

Size (body only):

4.6 x 5.9 x 5.8" (118 x 150 x 148mm)

Weight (without lens):

66.9 oz. (1900g)

SL66E body only, less lens and magazine.

Cat. No. 202-210

SL66E complete with one 120/220 magazine, Planar HFT 80mm f2/2.8 lens.

Cat. No. 202-214

Extended Depth-of-Field

The Rolleiflex SL66E 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 SL66E — no other 2¼" SLR except the Rollei SL66 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 SL66E 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.