 Made in Germany by Franke & Heidecke

Rolleiflex Hy6

Analogue and Digital – The Best of Both Worlds

The New Rolleiflex Hy6 – HighTech And Outstanding Versatility Rolled Into One



Photography means “writing with light”. And it doesn’t make any difference whether you use a light-sensitive film or an electronic sensor for the purpose. Only the result matters. Modern digital photography is ideally suited for the rapid and uncomplicated production of outstanding photographs for all kinds of printed matter.

The new Rolleiflex Hy6 makes allowance for the breathtaking advances in the latest digital backs. It fully satisfies the high requirements which digital backs make of a camera:

- Absolute freedom from vibrations due to linear-motor control of shutter blades.
- Integral RGB sensor for automatic white balance.

Photographers demanding both top quality and high mobility will find a medium-format camera combined with digital backs the ideal tool of, be it in the studio or on location.

The Rolleiflex Hy6 is presently the only medium-format camera covering both the popular 4.5 x 6 cm as well as the 6 x 6 cm negative size and thus suitable for the use of future 48 x 48 mm CCD sensors in high-performance digital backs.



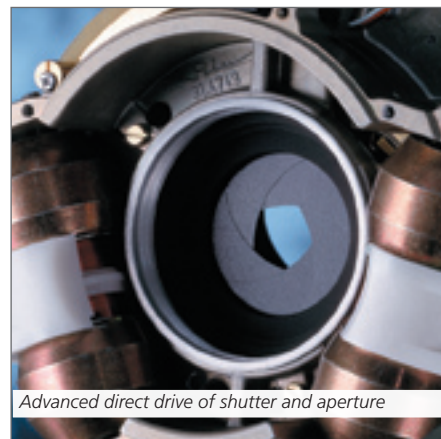
Rolleiflex Hy6 – Outstanding Features

- High-speed autofocus (cross-type sensor)
- TTL metering system in camera body. Only this design guarantees optimum metering results with all viewfinder and lens attachments.
- Three metering modes: Center-weighted multi-zone, spot and multi-spot metering.
- Choice of aperture-priority, shutter-speed priority and programmed AE plus metered manual.
- Metering pattern independent of viewfinder or focusing screen in use.
- Up-to-date OTF TTL metering.
- Compatibility with System-6000 lenses.
- RGB sensor for white balance when using a digital back.

High-end digital photography requires active communication between camera and digital back. The RGB metering window passes the colour temperature of the available light directly to the digital back so that it can be recorded among the exposure data of RAW images.

More Extras

- Mirror lock-up, indispensable for long exposures and both macro as well as digital photography.
- Display of all important shooting data both in the viewfinder and on the handgrip.
- Interchangeable viewfinder systems and focusing screens.
- Practical control grip for easy handling of camera in any shooting situation.
- Cutting-edge interchangeable lenses by Carl Zeiss and Schneider-Kreuznach with fixed focal lengths from 40 to 300 mm plus macro and zoom lenses.



Advanced direct drive of shutter and aperture

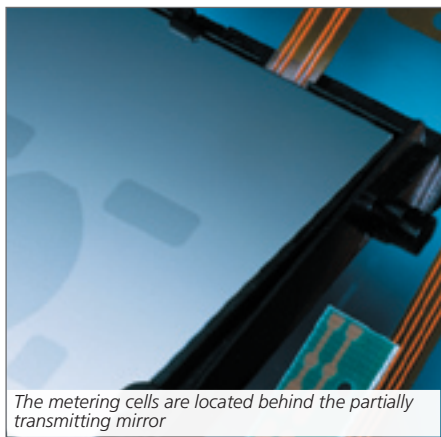


Rapid Analog Shooting with Type 4560/6060* Film Magazine

- Motorized film advance for single frames and continuous shooting with a professional 1.5 fps built into film magazine.
- Automatic checking and, if necessary, correction of exposure between frames in continuous mode.
- Benefits of motor drive for single-frame shooting: There is nothing to distract the photographer, no additional manipulation, no change in position, no unwanted change in framing. The camera always rests securely in your hand.

- The integral laminar drawslide makes changing magazines a matter of seconds and eliminates problems usually associated with conventional drawslides.
- As the grip bar is actuated, a lock will prevent unwanted "exposure" on the drawslide as well as improper removal of the magazine with the film gate still open.
- A precise film-pressure mechanism ensures perfect film flatness.

* in preparation



The metering cells are located behind the partially transmitting mirror



Dedicated flash interface

- The magazines have interchangeable film inserts. Several preloaded inserts allow almost uninterrupted shooting.
- Rapid film change is facilitated by an integral automatic feed and wind system.
- Additional warning displays in the viewfinder inform about a closed or partly open drawslide as well as the end of the film.
- The type 4560 magazine is reversible so that it can be used for either vertical or horizontal framing.

PQS Lenses with 1/1000 s Carbon Shutter

- Electronically controlled between-the-lens shutter.
- Speeds from 1/1000 s to 30 s synchronized with flash.
- Aperture and shutter speeds precisely controlled in 1/3rd EV increments.
- Direct-drive linear motors with neodymium magnets.
- Carbon-fibre shutter blades.

Intelligent Flash Technology

The TTL flash control of the Rolleiflex Hy6 offers optimum conditions for correctly exposed flash pictures. In conjunction with dedicated flash units by Metz and an SCA-3562 flash adapter, the camera's TTL sensor meters the flash light incident on the film or sensor with field-angle accuracy and free from parallax. All available shutter speeds up to 1/500 s and 1/1000 s, respectively, are fully synchronized – a decisive advantage for shooting in daylight, filling in harsh shadows or reducing excessive subject contrast.

A particularly useful feature of the Rolleiflex Hy6 is its additional additive flash exposure that is activated in conjunction with dedicated SCA flash units and the camera's automatic exposure control for even better exposure balance in daylight flash photography.

In conjunction with an SCA-3562 flash adapter, the camera offers the following flash modes:

- Programmed AE flash
- Aperture-priority flash
- Shutter-speed priority flash
- Automatic fill flash (compensating and additive)
- Flash bracketing.

Preliminary Specifications

Rolleiflex Hy6

Camera type

Single-lens reflex autofocus camera with multiple automatic exposure control, variable metering pattern, TTL autoflash (SCA-3000) and motorized film advance.

Autofocus

Cross-type autofocus sensor. Integral red-light grid projector for automatic focusing in low light. Non-AF Rolleiflex-6008-compatible lenses can be used with focus indicator.

Analogue negative sizes

4.5 x 6 cm and 6 x 6 cm (the latter in preparation).

Film sizes

Size 120 and 220 roll film for 16 or 32 exposures in 4.5 x 6 cm format.

Film speed

ISO 25/15° to 6400/39° can be set in $\frac{1}{3}$ rd EV increments on interchangeable magazine.

Shutter

Electronically controlled between-the-lens shutter with speeds from $\frac{1}{1000}$ s (with PQS lenses) to 32 s plus B.

Exposure-metering modes

- ◆ Multi-zone metering
- ◆ Centre-weighted multi-zone metering
- ◆ Spot metering via central photodiode (approx. 1 % of 6 x 6 cm format)
- ◆ Multi-spot metering with storage of up to five readings
- ◆ Automatic compensation of extraneous light during metering
- ◆ Integral RGB sensor for automatic white balance in digital photography.

Exposure modes

- ◆ Shutter-speed priority AE
- ◆ Aperture-priority AE
- ◆ Programmed AE biased for high speeds
- ◆ Metered manually in $\frac{1}{3}$ rd EV increments

Operating ranges

- ◆ Exposure metering
EV 0 to EV 19 at ISO 100/21° with 80mm f/2.8 lens
- ◆ Autofocusing
EV 1 to EV 19 at ISO 100/21° with 80mm f/2.8 lens
- ◆ TTL flash ISO 25 – 1600

AE lock

Operational in all automatic modes. Locks exposure value (EV) of shutter speed and aperture.

Exposure compensation

- ◆ Manual in $\frac{1}{3}$ rd EV increments from -4 $\frac{2}{3}$ to +2 EV
- ◆ Via autobracketing (in \pm setting) in $\frac{1}{3}$, $\frac{2}{3}$ and 1EV increments

Autoflash

OTF TTL flash metering. Flash-ready display and exposure control in viewfinder. Optional automatic flash firing with Metz flash units in low light. Additive fill-in flash. TTL studio pre-flash metering with studio flash units.

Flash synchronization

At any shutter speed from $\frac{1}{1000}$ s to 32 s. Hot shoe with contacts for Metz flash units. SCA interface via Rollei SCA-3562 Adapter.

Fast shutter release

Shutter lag with PQ lenses approx. 3 – 4 ms, with PQS lenses approx. 2 ms.

Depth-of-field preview

In any operating mode by depression of a button.

Mirror lockup

In any operating mode with AE lock and display. With mirror up, shutter speed, ISO speed and exposure compensation can still be varied.

Lens mount

Rollei bayonet mount, 10-pole contact strip for signal transfer for aperture and shutter drives. Fully functional exposure control, even with bellows unit, extension tubes and reversing ring.

Multiple exposures

By electronic suppression of film advance, without image viewing, e.g. for digital prints.

Reflex mirror

Pre-lockable instant return mirror with motorized direct drive, with partially transmitting multicoating. Control options even with mirror up.

Viewfinder system

Standard folding finderhood with collapsible magnifier, interchangeable for telescopic 90° high-eyepoint viewfinder, interchangeable focusing screen. Hi-D focusing screen is standard equipment.

Viewfinder information

Illuminated viewfinder LCD for focusing status, shutter speed and aperture ($\frac{1}{3}$ f-stop increments); manual metering, exposure compensation, spot/multi-spot, flash readiness and flash exposure control, film speed, custom functions, frame counter, horizontal or vertical format with 4.5 x 6 cm, battery status.

Film advance

Automatic film advance by high-performance motor in film magazine, single frames and continuous shooting with up to 1.5 fps. Automatic film winding to the first frame, automatic film winding after exposure of last frame.

Power supply

Rechargeable high-performance lithium-ion battery, 7.4 V, 2200 mAh.

Handgrip

With four click stops (for use with folding finder hood or 90° viewfinder). Detachable leather wrist strap.

Interchangeable film magazines

Type 4560 film magazine for 4.5 x 6 cm with integral laminar drawslide, frame counter, film-speed setting, film-type display, and preloadable film insert.

Type 6060 film magazine for 6 x 6 cm (in preparation).

Custom functions and basic menu settings

- ◆ Leading or trailing sync
- ◆ Pre-flash metering
- ◆ Self-timer
- ◆ Quiet mirror ON/OFF
- ◆ Centre-weighting of exposure reading ON/OFF
- ◆ Autobracketing in increments of $\pm 1/3$, $\pm 2/3$, ± 1 EV
- ◆ Frame-counter display

Interfaces

- ◆ Digital-back interface
- ◆ Screw-type 8-pole universal connector for electrical cable release and other electronic accessories
- ◆ USB port

Working temperature

From -20° C to +60° C.

Tripod quick-release adapter

With $\frac{1}{4}$ " and $\frac{3}{8}$ " tripod sockets.

Compatible digital backs

Sinarback eMotion 22 / 54 / 75
Sinarback eVolution 75 H
Sinarback 54 MC / M
Some Leaf backs

Compatible lenses

Schneider Digital AFD 50, 80, 150, 180, Zoom 60 – 140 as well as AFD-Flektogon 35.
All lenses compatible with Rolleiflex 6000 cameras.

Dimensions (mm)

- ◆ Camera body: 157 x 112 x 78
- ◆ 80mm f/2.8 lens: 67 x 90
- ◆ Type 4560 film magazine: 88 x 86 x 50
- ◆ Digital back: See manufacturer's data

Weight (g)

- ◆ Camera body incl. battery: 990
- ◆ 80mm f/2.8 lens: 500
- ◆ Type 4560 film magazine: 330
- ◆ Digital back: See manufacturer's data

Subject to change without notice.