

Professional system for 6x7 (2¼x2¾) single lens reflex photography

MAMIYA RB 67

The first practical 6x7 single lens reflex

The 6x7 cm (2-1/4 x 2-3/4) format has long been considered ideal for professional photography. It can be enlarged to the most popular print sizes—4x5, 8x10 and 16x20—with virtually no cropping. It offers 30% more enlargeable area than 2-1/4 x 2-1/4, five times more than 35mm. And that means significantly more detail and crispness in your enlargements.

The Mamiya RB67 links this promise of superior picture quality with the practical advantages of a modern, fast-handling single lens reflex. And it adds its own special benefits including a revolving back which makes the full 6x7 format conveniently usable for horizontal and vertical shots.

Even more important, however, is the design concept of the RB67 as a totally flexible, modular system. The camera provides full interchangeability of lenses, film backs, viewfinders and finder screens. With this comprehensive array of equipment at your disposal, you can tailor the RB67 to fit the needs of whatever picture situation you are facing.

The RB67 thus opens whole new fields for single lens reflex photography where no truly professional equipment had been available before. With the many, impressive slr capabilities it brings to the "ideal" picture format, it is an important new tool for any serious photographer, no matter what other cameras he already owns. Yet, the RB67 is remarkably compact and beautifully balanced for hand-held shooting. Few slr's, regardless of size, can equal it for smooth, vibrationless operation. Designed and built by a foremost manufacturer of professional cameras, it exhibits the ruggedness and precision that assures reliable performance in professional use.

The price of the RB67, too, will come as a pleasant surprise to budget-conscious photographers. Moreover, many of its accessories can be used interchangeably with other Mamiya professional cameras, which makes the RB67 an economically sensible investment for the multi-camera user.



Photographed with 90mm lens, 1/250th @ f16



The Revolving Back

To enjoy the full advantage of the 6x7 format, you should be able to use the entire picture area for vertical as well as horizontal composition. And there's no easier way than with the revolving back of the Mamiya RB67. It lets you switch from one to the other with just a twist of your hand, even with a rollfilm back attached to the camera. The back moves smoothly from one setting to the other and clicks securely into either position.

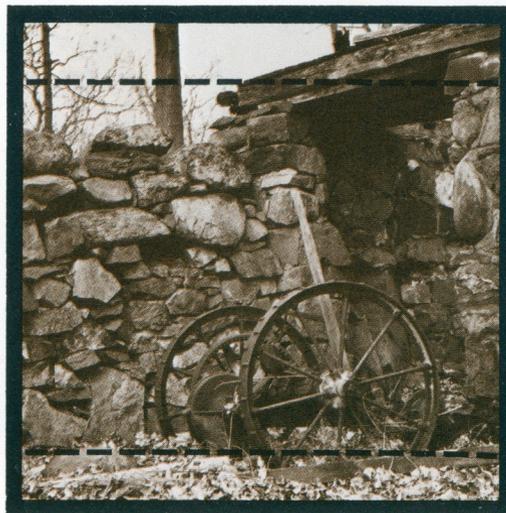
Both formats are clearly outlined on each of the interchangeable finderscreens—vertical format being shown by solid lines, horizontal by dotted lines.

Clearly, this facility is a must when the

camera is used at waist-level. And it is a welcome convenience for eyelevel operation, too. You avoid the awkwardness of having to turn the camera on its side. With the RB67, you maintain your accustomed, comfortable grip no matter which way you are shooting.

For tripod operation, you set up the camera and then select vertical or horizontal framing by simply rotating the camera back, if necessary.

The Revolving Back is supplied as standard equipment with every Mamiya RB67. It is quickly detachable when the camera is to be used with film backs from other Mamiya systems (e.g., Polaroid back).





Interchangeable Film Backs

There are no fewer than ten film backs in the RB67 system, giving you the widest possible choice of emulsions. Most of these are interchangeable with other Mamiya large-format cameras now used by thousands of professionals. If your work requires an SLR as well as a rangefinder camera, this ability to use the same film backs with both can mean sizeable savings, not to mention convenience.

As the result of their special back construction and extra-large pressure plates, Mamiya film holders excel in maintaining absolute film flatness during exposure. Their superiority in this area—vital for all-over image sharpness—has long been a major factor in many a pro's choice of Mamiya.

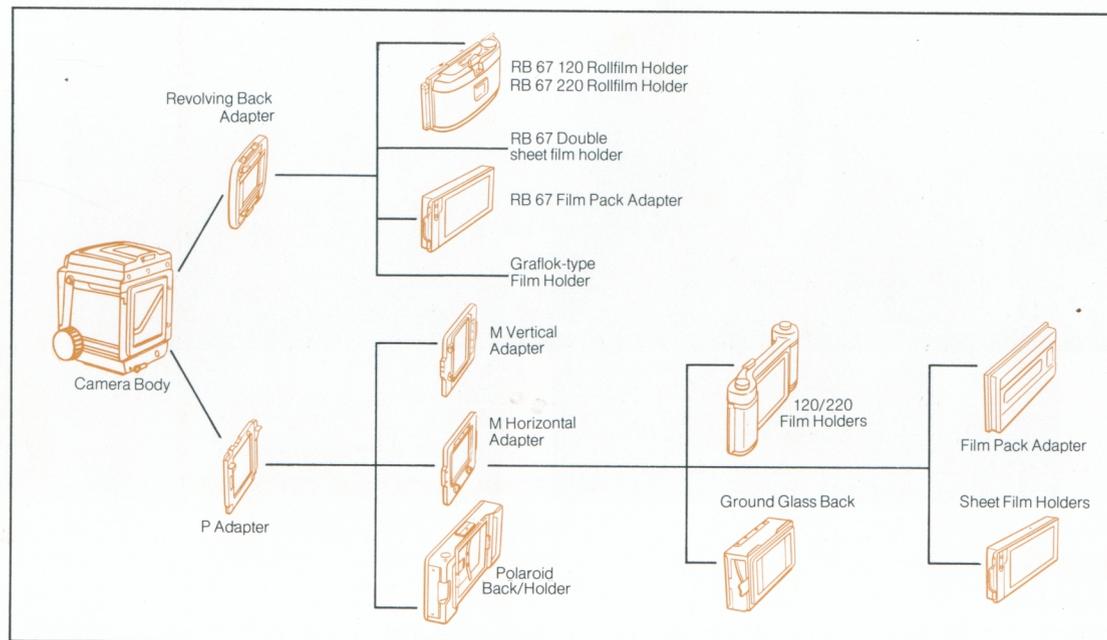
The RB67 achieves its film versatility by means of quickly interchangeable back adapters:

- RB (Revolving Back) Adapter accepts any of five Mamiya RB67 holders: Rapid 120 rollfilm, (choice of 6x7 or 6x4.5cm format),

Rapid 220 rollfilm, double sheet film, and film pack. The back may be rotated with either rollfilm holder attached.

- RB Adapter also accepts Graflok-type film holders.
- P Adapter, used in place of RB Adapter, accepts M Vertical and M Horizontal Adapters. These, in turn, permit use of following Mamiya Universal/Super 23 accessories: Rapid 120/220 rollfilm holders A (2-1/4x3-1/4) and B (2-1/4x2-3/4), and ground glass back. Latter accepts Mamiya 23 sheet film and film pack holders. (All 2-1/4x3-1/4 holders, of course, produce 2-1/4x2-3/4 pictures with the RB67.)
- P Adapter also permits mounting the Mamiya Universal Polaroid back/holder on the RB67, resulting in 7x7 cm (2-3/4x2-3/4) shots.

In addition, the RB67 accepts any special film holders adaptable to any of the various backs.





Interchangeable Lenses

Designed for professional use, Mamiya optics are well-known for exceptional center-to-edge resolution and all-round correction. The RB67 lenses span the full range of focal lengths, from 50mm extreme wide angle to 360mm telephoto. Rugged breech-lock mounts hold them securely on the camera while permitting rapid interchange. Each has an automatic stop-down diaphragm with click stops at half-stop intervals. Each is fitted in its own M-X full-synchro shutter with speeds from 1 second to 1/400th, plus T.

RB67 lens barrels reveal precise, solid construction with careful attention to practical details. Clearly marked white-on-black scales (aperture, focus, depth-of-field and shutter speeds) are easy to read, even in available light. Other features include depth-of-field previewer and independent mirror control. Furthermore, one filter size—77mm screw-in type—fits all RB67 lenses.

The photos on the facing page illustrate the differences in image size and perspective obtainable with various Mamiya RB67 lenses.

Lens	Minimum aperture	Closest focus*	Angle of coverage	Magnification	No. of elements
50mm f4.5	f32	2"	81° 54'	0.55x	11
65mm f4.5	f32	3¼"	68° 10'	0.72x	8
90mm f3.8	f32	7¾"	51° 50'	1x	7
127mm f3.8	f32	17¼"	38° 16'	1.41x	5
180mm f4.5	f45	2' 10"	28°	2x	5
250mm f4.5	f45	5' 3"	20°	2.78x	5
360mm f6.3	f45	11' 6"	13° 57'	4x	8

*Without extension tubes

50mm



65mm



90mm



127mm



180mm



250mm



360mm

All photos were taken from the same camera position.

THE MAMIYA RB 67 FINDER SYSTEM

Here is another example of the versatility you enjoy with the modular RB67 design. For waist-level (or overhead) viewing, there's the standard folding hood with built-in flip-up magnifier. This hood interchanges quickly with any of three accessory finders: a 2.5x magnifying hood, a magnifying hood embodying exposure control, and a eyelevel prism finder. There is also a universal sports finder, for use with all lenses, which allows thru-the-lens focusing.

Interchangeable Finders

The precise thru-the-lens finder system of the RB67 assures accurate, parallax-free viewing and focusing at any subject distance, with any lens. And the finder image is as brilliant across the entire screen as it is accurate. What's more, the automatic diaphragm built into each lens maintains the image at maximum brightness right up to the instant of actual exposure.

Mamiya Cds Finder

Provides accurate thru-the-lens spot reading off the ground-glass screen. Meter is calibrated for films from ASA 12 to 6400, shutter speeds 1 second to 1/400th, apertures f3.8 to f32. Features include eyepiece diopter adjustment, on/off switch and single-action match-needle control. When not in use, CdS cell swings out of the way for unobstructed view of screen.

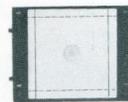
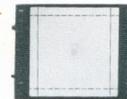
Interchangeable Finder Screens

This facility is perhaps the ultimate test of any professional slr. With the RB67, you have a choice of five different screens to accommodate any preference and any special picture situation. All five are Fresnel-type design for even edge-to-edge brightness. And each is clearly marked for both horizontal and vertical formats. Changing from one screen to another takes just seconds and requires no tools.



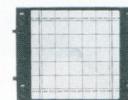
(1) All-over matte surface with fine ground-glass center spot (standard)

(2) Split-prism focusing spot

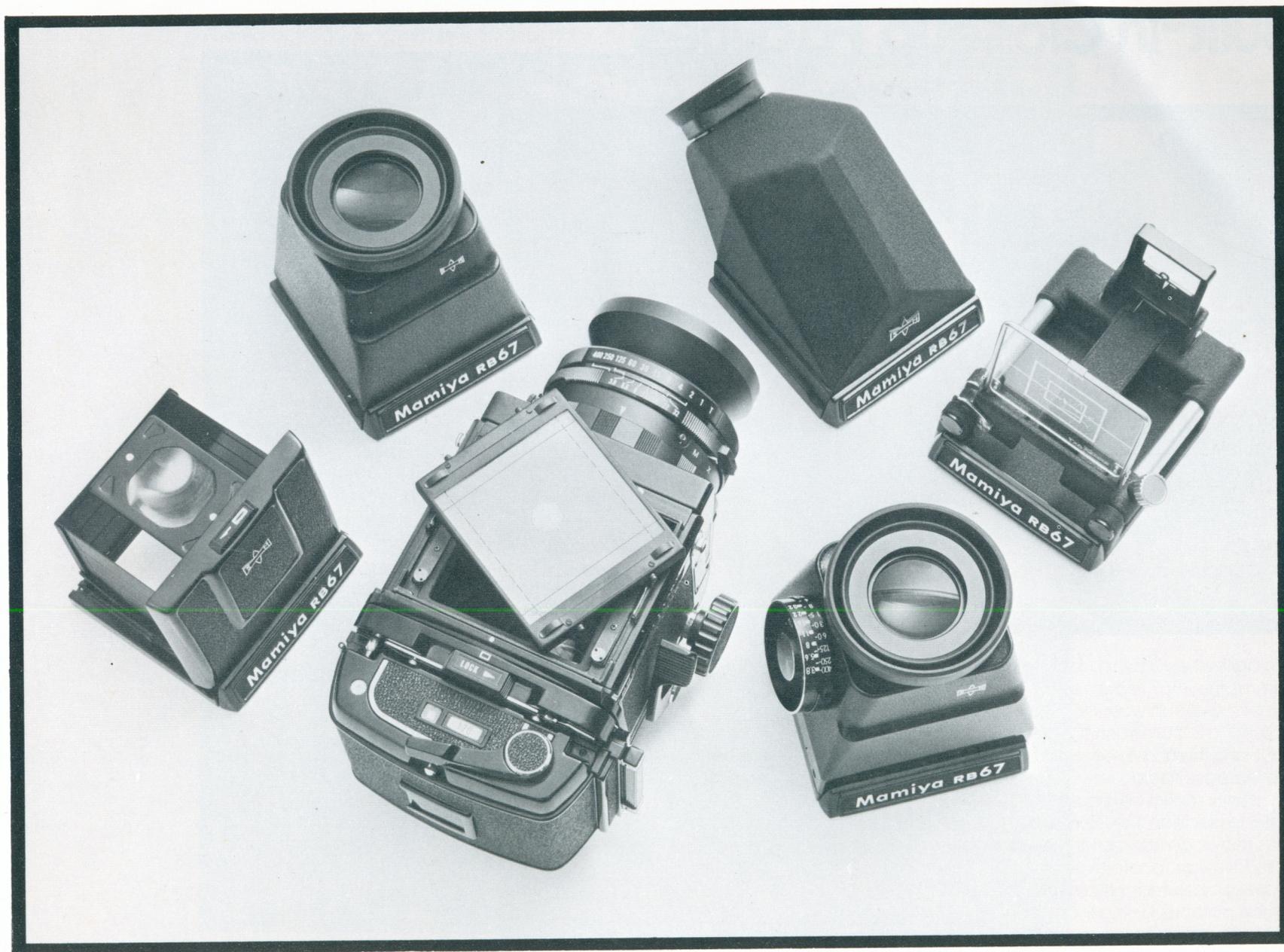


(3) Microprism focusing spot

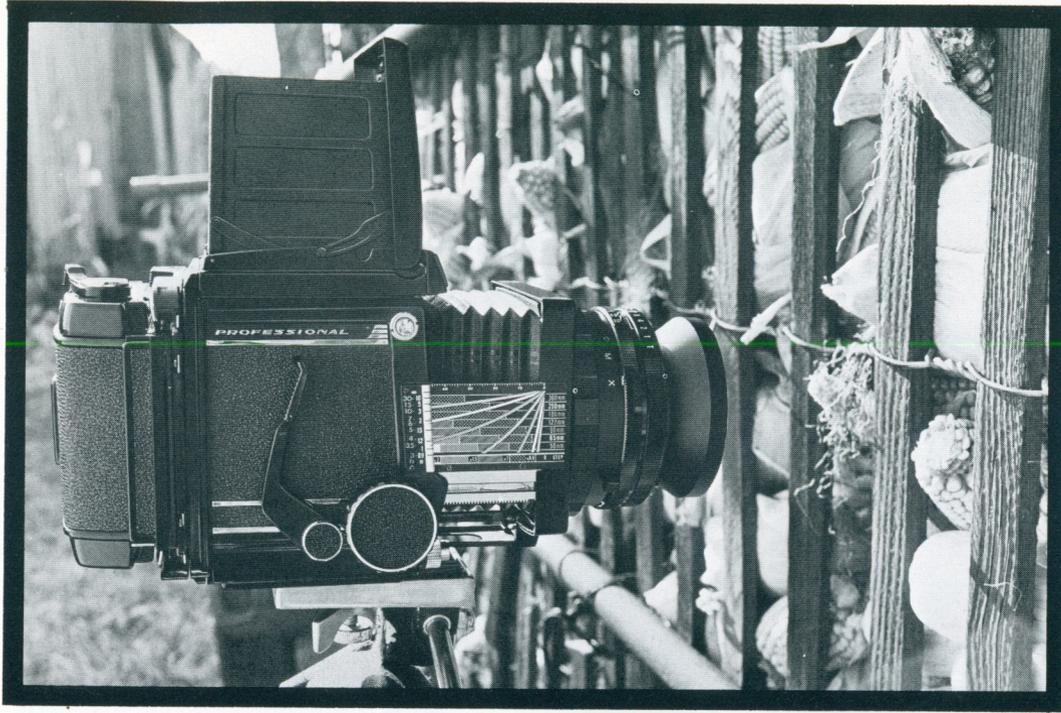
(4) Clear center spot with crosshair



(5) All-over grid pattern and fine ground-glass center spot.

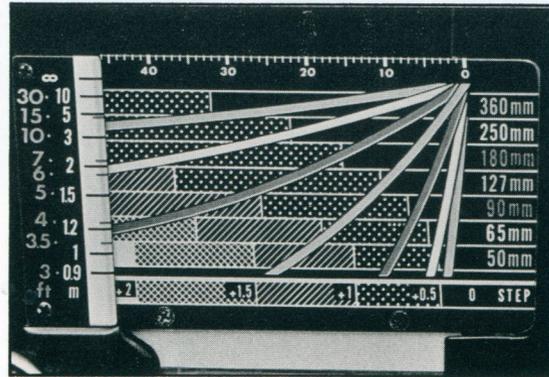


Built-in Closeup Facilities

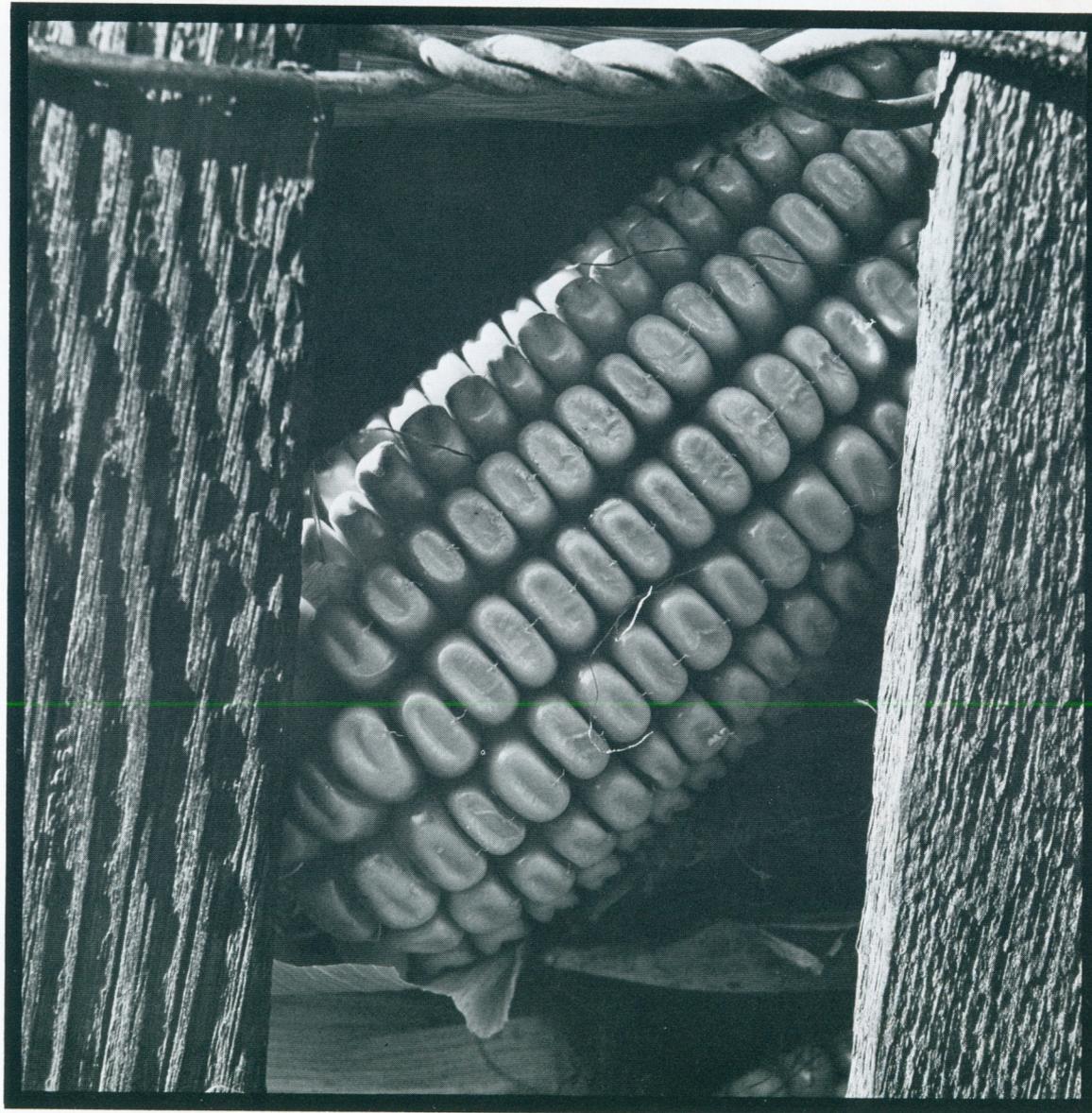


With bellows extending up to 1-13/16" (46mm), the RB67 requires no accessories for closeup work. It can be focused to 3" from front of lens to subject, using the 65mm lens. Closeup exposure increase factors for various lenses are clearly shown on a color-coded scale. In addition, the RB67 system provides two accessory automatic extension tubes for macrophotography.

For example, magnifications up to 1.91X can be obtained using the 90mm lens and both extension tubes.



Photographed with 90mm lens, 1/30th @ f22



Independent Mirror Control



You can raise the RB67 mirror and lock it in "up" position before making the exposure (for macro and micro work and other special applications). Use of this facility, embodied in all RB67 lenses, is simplified by the RB67 double cable release.

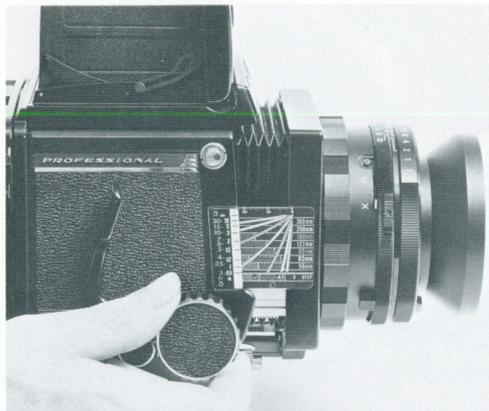
Special Safety Features

To help guard against accidental exposures and waste of film, the RB67 offers several built-in precautions.

- The lens cannot be detached (and film accidentally exposed) unless the mirror is in "down" position.
- The shutter will not fire while the dark side is in the film holder, preventing lost picture opportunities.
- RB67 rollfilm holders have automatic film advance indicators. White signal shows when film has been advanced but not exposed, turns red after exposure is made.

Professional Focus System

Large focusing knobs on either side of the camera operate the RB67 bellows via a heavy-duty rack-and-pinion system. Rugged, reinforced construction assures lasting alignment accuracy of the entire focusing mechanism.



Smooth, Quiet Operation

A virtual absence of mirror "slap" is evidence of the precise construction of the RB67. You can actually shoot with the camera handheld at speeds as slow as 1/30th second.

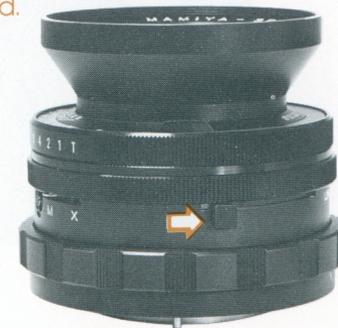
Triple Function Lever

After the exposure, a single short stroke of the large thumb lever lowers the mirror into viewing position, reopens the lens diaphragm and cocks the shutter.



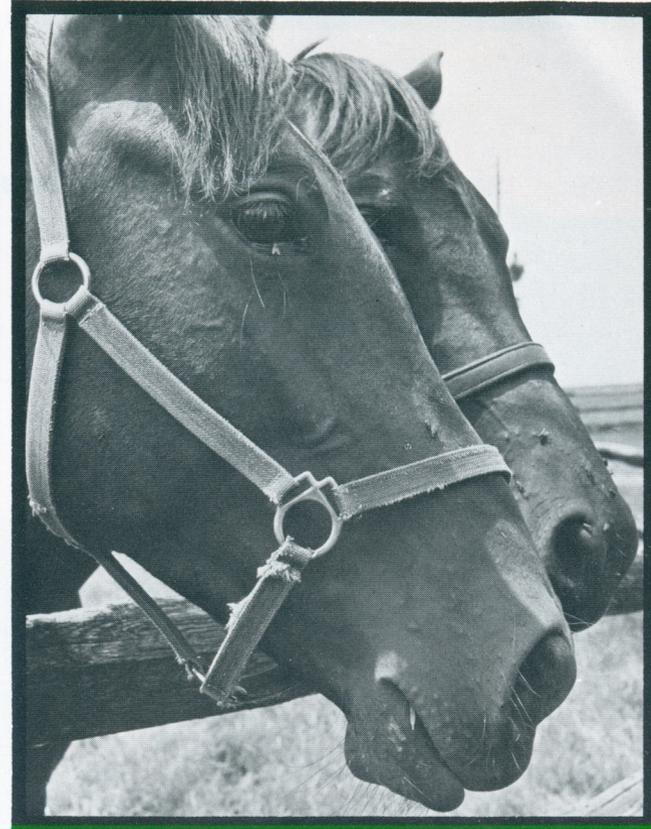
Depth-of-Field Previewer

Each lens has provision for stopping down the diaphragm to the preselected shooting aperture without releasing the shutter. This allows you to check depth-of-field at the shooting aperture or select the aperture on the basis of desired depth-of-field.





Photographed with 90mm lens, 1/250th @ f22



Photographed with 65mm lens, 1/250th @ f11

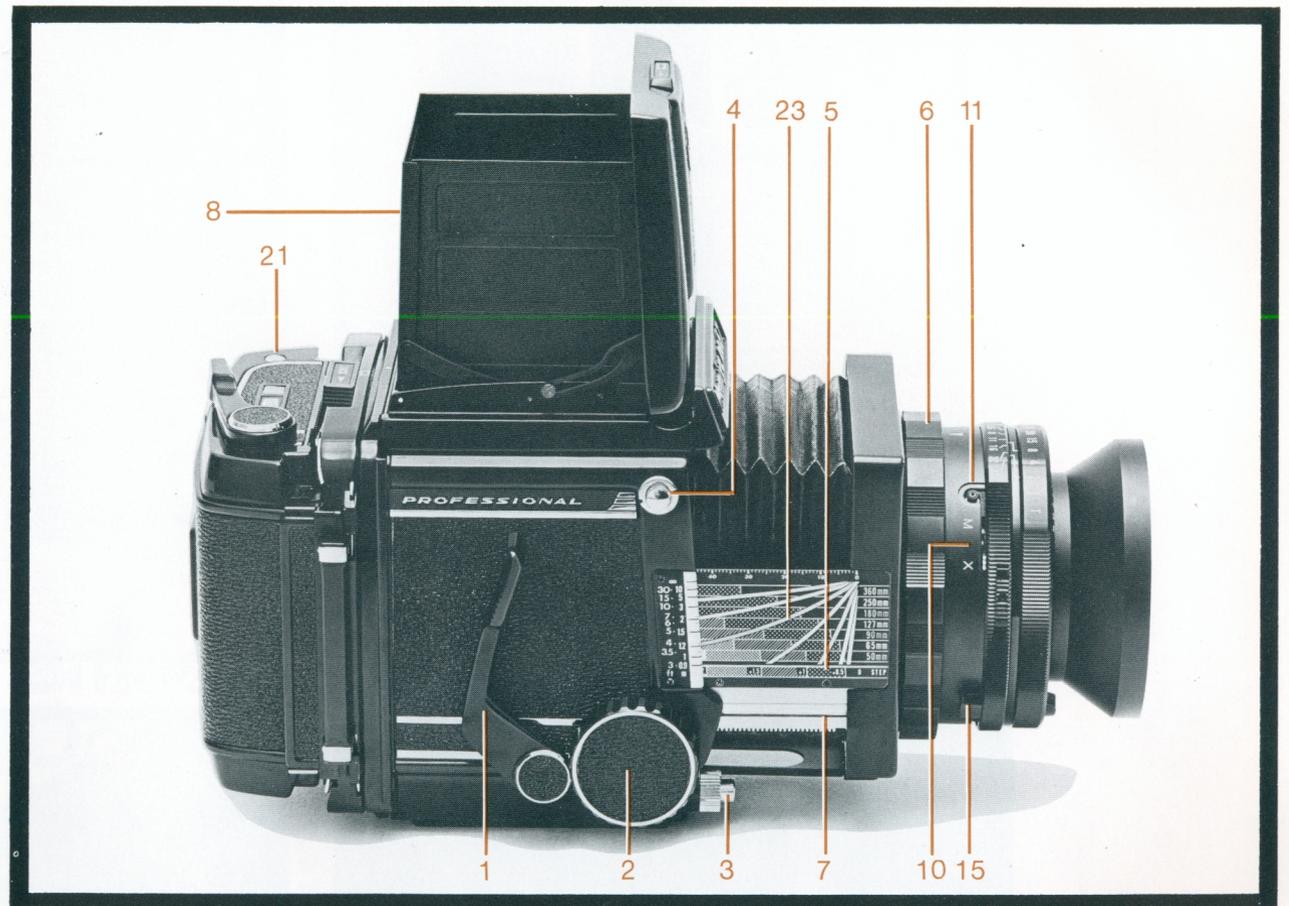


Photographed with 50mm lens, 1/125th @ f8



Photographed with 65mm lens, 1/250th @ f22

1. Triple-function lever
2. Focusing Knob (one on either side)
3. Shutter release, threaded for cable release
4. Neck strap stud
5. Closeup exposure factor scales
6. Lens lock/release ring
7. Rack-and-pinion heavy-duty focus system
8. Removable finder hood with flip-up magnifier
9. Name plate slides to release or lock finder
10. M-X synch selector
11. PC synch terminal
12. Aperture ring
13. Shutter speed ring
14. Depth-of-field scale
15. Depth-of-field previewer
16. Independent mirror control
17. Film back lock/release
18. Interchangeable finder screen
19. RB adapter with attached rollfilm holder
20. Film transport lever
21. Auto-reset exposure counter
22. Color-coded automatic film advance indicator
23. Standard Focusing Scales



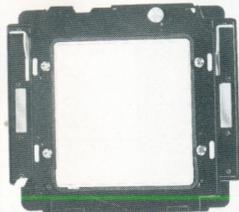
MAMIYA RB 67 Features



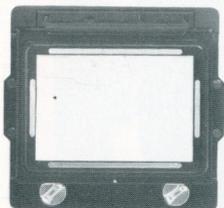
MAMIYA RB 67 Accessories

FILM BACK ADAPTERS

P Adapter (Product No. 61932) replaces RB adapter on camera and accepts horizontal M adapter, vertical M adapter or Mamiya Universal Polaroid back/holder.



Horizontal M Adapter (Product No. 60778) fits onto P adapter and accepts Mamiya rollfilm holders A or B, also Mamiya ground glass back (latter for use with Mamiya sheet film or film pack holders), all for horizontal-format shots.



Vertical M Adapter (Product No. 61929) similar to No. 60778 but for vertical shots.



FILM HOLDERS

Mamiya 120 Rollfilm Holder (Product No. 61930) produces ten 6x7 (2-1/4x2-3/4) exposures using 120 film. Has single stroke rapid-advance lever, auto-reset counter and automatic advance warning signal. Supplied with dark slide; Fits RB adapter, need not be removed when rotating back.

Mamiya 120 Rollfilm Holder (Product No. 61959) Same as No. 61930, but for sixteen 6x4.5 (2-1/4x1-5/8) exposures.



Mamiya 220 Rollfilm Holder (Product No. 61931) Same as No. 61930, but provides 20 exposures with 220 film.



Mamiya Film Pack Holder (Product No. 61941) accepts 520 film pack for vertical or horizontal shots.



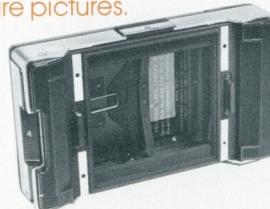
Mamiya Double Sheet Film Holder (Product No. 61906), may be loaded with 2 sheets of 2-1/4x3-1/4 (6x9) film for horizontal or vertical 6x7 pictures.



Following accessories for other Mamiya cameras may also be used with RB67:

Mamiya Ground Glass Back (Product No. 60775), fits either RB67 M adapter and accepts Mamiya Sheet Film/Plate Holder (No. 60610) or Film Pack Holder (No. 60611) for 6x7 negatives.

Mamiya Universal P (Polaroid 100) Back (Product No. 60780) attaches to RB67 P adapter, produces 2-3/4" square pictures.



Mamiya 120/220 Rapid Rollfilm Holder A, 2-1/4x3-1/4 (Product No. 60603), fits RB67 horizontal or vertical "M" adapter.



Mamiya 120/220 Rapid Rollfilm Holder B, 2-1/4x2-3/4 (Product No. 60604), fits RB67 horizontal or vertical M adapter. For 6x7 negatives.



OTHER ACCESSORIES

Deluxe Aluminum Carrying Case. (Product No. 61975) Exceptionally sturdy, handsome case, with reflective aluminum exterior ideal for hot weather assignments. Foam interior, pre-cut for camera, lenses and a number of accessories.



OTHER ACCESSORIES

Magnifying Hood (Product No. 61939) provides 2.5x magnification of entire finder screen. Interchanges quickly with standard folding hood without removing film holder. Supplied with case.



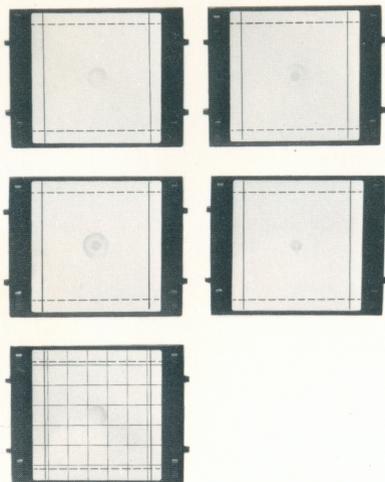
Cds Magnifying Hood (Product No. 61960) gives reliable thru-the-lens exposure reading with rapid one-step control. Interchanges with other RB67 finders. Supplied with case.



Eyelevel Prism Finder (Product No. 61905) shows extra-bright image of entire screen, right side up and unreversed. Supplied with case.



Finder Screens Five Fresnel-type matte screens available: Matte center spot (Product No. 61952, supplied with camera); Split-image rangefinder spot (No. 61933); Micro-prism spot (No. 61934); Clear spot with crosshair reticle (No. 61935); and Matte spot and grid (No. 61936). All are instantly interchangeable without tools.



Sportsfinder. (Product No. 61909) Eyelevel frame-type finder, perfect for any kind of action photography. Adjustable for all RB67 lenses, 50mm through 360mm. Permits reflex focusing.



Automatic Extension Tubes Two available: No. 61942, 45mm long; No. 2 (Product No. 61943), 82mm long. Automatic lens diaphragm action remains operative with both tubes.



Sun Shield (Product No. 61944) for all lenses.



Lens Hood (Product No. 61908) for 90, 127 and 250mm.



Optical Glass Filters in 77mm screw-in mounts to fit all lenses. Available in yellow 2, light green, orange, UV, skylight, ND-16 and polarizing types.

Flash Bracket (Product No. 61962) Has standard accessory shoe. Accepts H or G type flash brackets.



Double Cable Release (Product No. 61961) locks mirror in "up" position before releasing shutter.



Diopter Lenses for Prism Finder.

Eyepiece correction lenses for use with prism finder permit use by eye-glass wearers with glasses removed. Available in a variety of strengths.

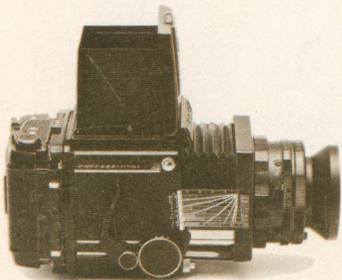


Deluxe Grip. (Product No. 61937)

Rugged grip with trigger release in handle. Facilitates hand-holding camera steadily even at slow shutter speeds. Has accessory shoe for mounting flash unit.



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