

# Mamiya RB67

PROFESSIONAL

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Manufactured by  
**Mamiya**  
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The new Mamiya RB67 Professional satisfies the severest demands of the professional. Here is a 6 x 7 cm format SLR camera that offers new concepts in convenience, versatility, and operational efficiency.

Mamiya's engineering technology, having assumed world-wide recognition as a pioneer in the field of large-format cameras, has introduced "THE CAMERA with outstanding mechanisms" to the new photo image world.

The Mamiya RB67 Professional is one of the finest large-format cameras ever marketed, incorporating unique mechanisms and Mamiya/Sekor lenses famous for their high resolving power and perfect color balance.

This is the Mamiya RB67 Professional, epoch-making 6 x 7 cm format camera, that fulfills the imagination of the professional photographers who challenge the limit of photo image. Its outstanding features include:



- \* Ideal 6 x 7 format SLR camera
- \* Lens shutter method with full synchronization
- \* Unique revolving-back system enabling quick changing to either horizontal or vertical pictures
- \* Rack-pinion system for ultra close-ups and mirror-up mechanism
- \* Interchangeable film holders for various film types
- \* Quick shutter-cocking maximizes maneuverability
- \* Interchangeable focusing screens to fully accommodate specific photographic purposes
- \* Originally designed shockless mirror mechanism
- \* Mamiya/Sekor Lens family boasting high resolution



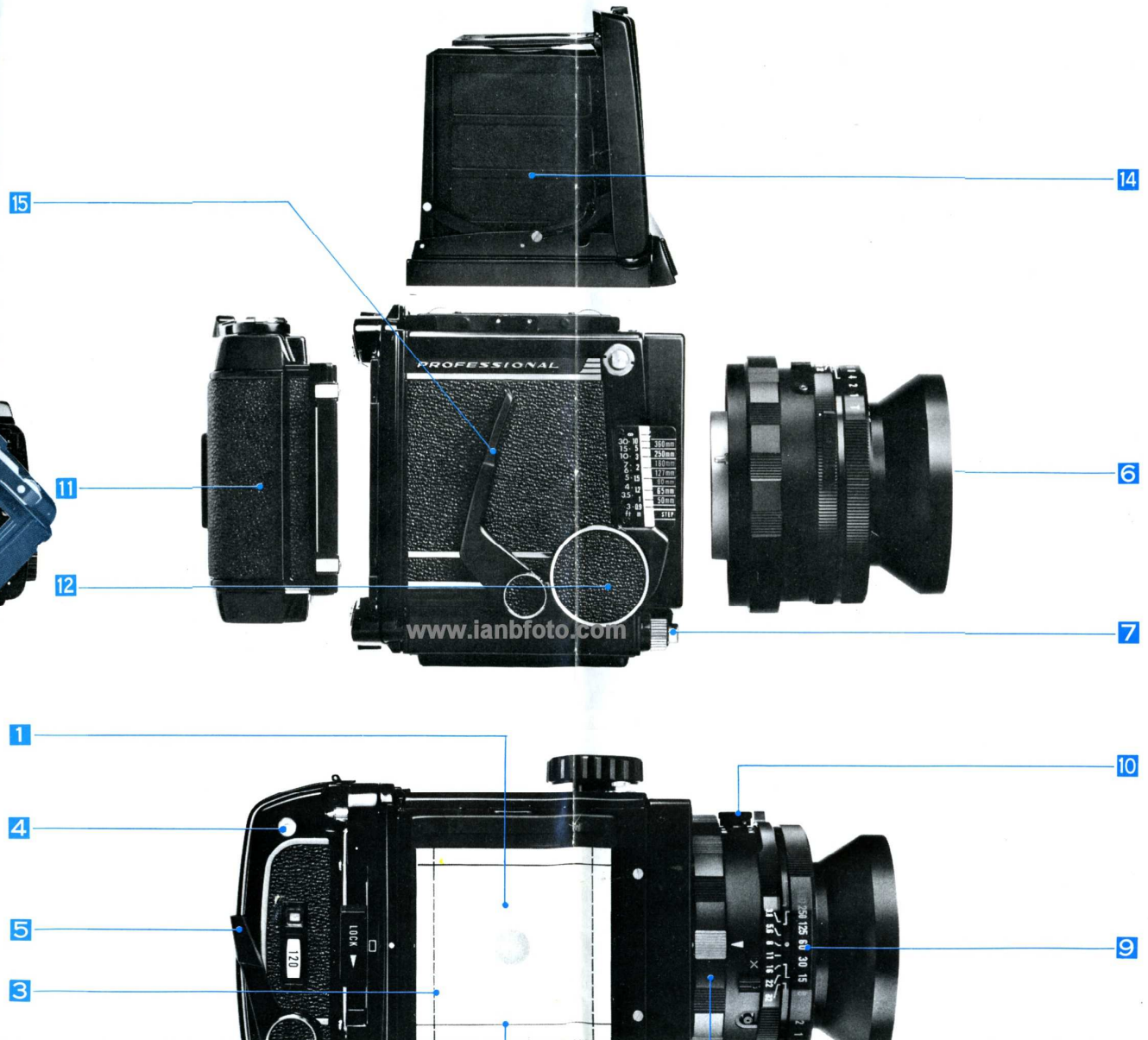
**Film holder revolving mechanism unique with the Mamiya RB67**

Permits one-touch changing to either horizontal or vertical position. You can get speedy shots without changing the camera position.

Actual picture size using 120/220 roll film is 68 x 56 mm

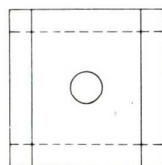


## FROM ALL SIDES... the Mamiya RB67 Professional is Feature-Packed!

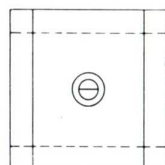


# **Focusing screen, interchangeable to fit your photographic purposes**

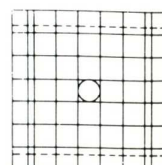
Focusing screen can be easily interchanged. There are five focusing screens for use in different conditions and for various purposes.



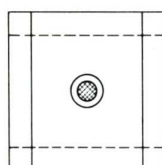
No. 1  
Matte (Standard)



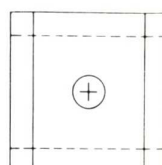
No. 2  
Checker



No. 3  
Rangefinder spot



No. 4  
Microprism



No. 5  
Cross-hair

## **No. 1 Matte (Standard)**

Entire surface matted for general photography.

## **No. 2 Checker**

Checker plus matte for convenience in composing.

## **No. 3 Rangefinder spot**

Split-image prism in the center for speedy, accurate focusing.

## **No. 4 Microprism**

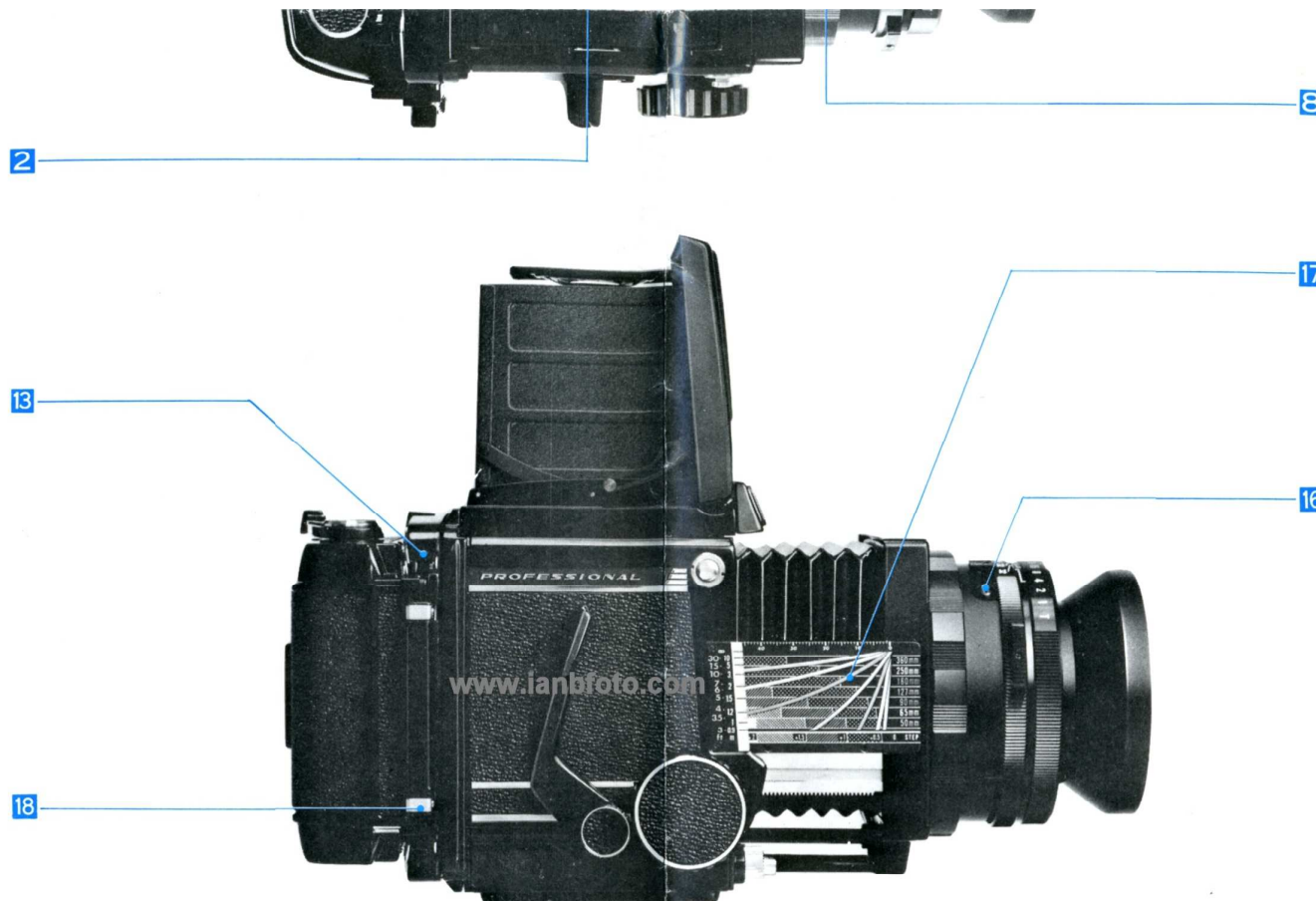
Microprism in the center for speedy focusing.

## **No. 5 Cross-hair**

Cross-hair in the center for accurate focusing when photographing under special conditions.

## **Originally developed shockless mirror mechanism**

Its shock almost undiscernible, the Mamiya RB67 displays remarkably light mirror action. This is a splendid result of Mamiya's many years of research and development conducted on the noise and shock of mirror action of SLR cameras. Adoption of a centrifugal friction type governor has completely eliminated mirror shock problems inherent to SLR cameras caused by mirror action along with a light baffle, assuring sharper image reproductions. The Mamiya RB67 is indeed a most advanced 6 x 7 cm format SLR camera.



## **1 Variety of Focusing Screens**

Five types of focusing screens available for use in different conditions and for various purposes.

## **2 Vertical picture mark**

## **3 Horizontal picture mark**

## **4 Coupling pin for warning signal**

## **5 Film advance lever**

## **6 Interchangeable Mamiya/Sekor lenses**

With high resolving power and excellent color balance. Bayonet ring for rapid lens interchangeability.

## **7 Shutter-release button**

With safety lock device.

## **8 Bayonet ring**

With built-in exposure-prevention device—new mechanism.

## **9 Seiko #1 shutter**

T. 1-1/400 sec.

## **10 Mirror-up mechanism**

Unique shockless mirror mechanism.

## **11 120/220 roll film holder for Mamiya RB67**

## **12 Focusing knob**

Ultra close-ups by rack-pinion system.

## **13 Revolving adapter**

Unique revolving adapter permits quick change over to either horizontal or vertical position.

## **14 Focusing hood**

## **15 Shutter cocking lever**

## **16 Lens shutter for full synchronization**

With either strobe or flash bulbs at all speeds up to 1/400 sec.

## **17 Distance scale**

## **18 Dark slide**

While completely inserted, locks the shutter release button.



## Long-awaited Ideal 6x7cm Format

The Mamiya RB67 Professional adopts a 6 x 7 cm format; nearly the same height-width ratio as the pro's favorite 4 x 5 inch format. Birth of the Mamiya RB67 creates a new photographic range not only for professional photographers but also for general studio use and commercial photographic requirements. It also represents a unique device for the advanced amateur.

### Merits of the 6 x 7 cm Format

- \* Captures images as sharp as 4 x 5 inch format
- \* Much more economical than 4 x 5 inch film
- \* No trimming required
- \* Easily adaptable to printing layouts



Systematized Positioning; Perfect Mechanism That Overcomes the Most Grueling Photographical Conditions.

"Never miss a shutter chance" — this was the principle emphasized in designing the Mamiya RB67. All operational knobs and levers are positioned most conveniently to suit every possible camera assignment. This extremely systematized positioning has contributed greatly to the confidence professional cameramen throughout the world have in the Mamiya RB67.

A Seiko #1 lens shutter for full synchronization with either strobe or flash bulbs at all speeds up to 1/400 sec.

Indoors or out, the Mamiya RB67 functions perfectly in every field of flash photography, including general and commercial photography.



### Shutter cocking system designed for smooth handling

The Mamiya RB67 adopts a shutter cocking system whose shutter mechanism is fully coupled to the mirror mechanism. Both shutter and mirror are cocked by lightly pushing an easy-to-operate shutter cocking lever toward the lens by 75 degrees. You can photograph the very world you see on the bright 6 x 7 cm focusing screen.

### Ultra close-up photography by rack-pinion system

Mamiya's unique rack-pinion system allows ultra close-up shots up to 19.8 cm with the standard 90 mm F3.8 lens.

All Mamiya RB67 interchangeable lenses have mirror-up mechanism.

In both ultra close-up and telephoto photography, even the slightest shock can affect the image.

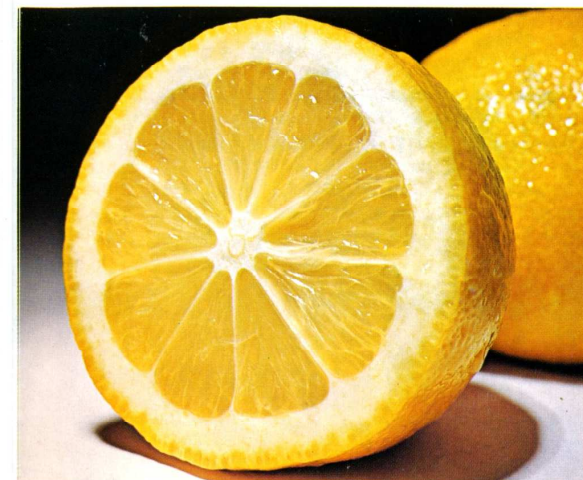
The Mamiya RB67 finally solved this problem with its mirror-up mechanism.

This mechanism locks the mirror in "up" position, enabling the shutter to operate when photographing. It facilitates obtaining more stable, sharper images.

For mirror-up mode photography, a special mirror-up cable

release is available to provide a two-step operation of locking up the mirror and releasing the shutter.

Use of an auto extension ring permits close-ups listed in the close-up photography table.



### Close-Up Photography Table

Lens Type	Classification	Without Ring	Extension Ring Type		
			No. 1	No. 2	No. 1+No. 2
50mm F4.5	Distance to Subject	∞ - 4.9cm	—	—	—
	Magnification Rate	0.88	—	—	—
	Size of Photography Field	— (63.8 × 77.6) cm	—	—	—
	Distance to Subject	∞ - 8.0cm	8.2 - 3.4cm	—	—
65mm F4.5	Distance to Subject	∞ - 8.0cm	8.2 - 3.4cm	—	—
	Magnification Rate	— 0.71	0.69 - 1.40	—	—
	Size of Photography Field	— (8.0 × 9.7) cm	(8.2 × 9.9) - (4.0 × 4.9)cm	—	—
	Distance to Subject	∞ - 19.8cm	20.2 - 11.0cm	12.0 - 8.4cm	8.4 - 6.7cm
90mm F3.8	Distance to Subject	∞ - 19.8cm	20.2 - 11.0cm	12.0 - 8.4cm	8.4 - 6.7cm
	Magnification Rate	— 0.51	0.50 - 1.00	0.90 - 1.41	1.41 - 1.91
	Size of Photography Field	— (11.1 × 13.5) cm	(11.3 × 13.8) - (5.6 × 6.8)cm	(6.2 × 7.6) - (4.0 × 4.9)cm	(4.0 × 4.9) - (3.0 × 3.6)cm
	Distance to Subject	∞ - 43.4cm	44.1 - 26.0cm	28.0 - 20.9cm	21.0 - 17.6cm
127mm F3.8	Distance to Subject	∞ - 43.4cm	44.1 - 26.0cm	28.0 - 20.9cm	21.0 - 17.6cm
	Magnification Rate	— 0.36	0.35 - 0.71	0.65 - 1.01	1.00 - 1.36
	Size of Photography Field	— (15.5 × 18.9) cm	(15.9 × 19.3) - (7.9 × 9.6)cm	(8.7 × 10.6) - (5.6 × 6.8)cm	(5.6 × 6.8) - (4.1 × 5.0)cm
	Distance to Subject	∞ - 84.7cm	86.3 - 49.9cm	53.8 - 39.6cm	39.8 - 33.0cm
180mm F4.5	Distance to Subject	∞ - 84.7cm	86.3 - 49.9cm	53.8 - 39.6cm	39.8 - 33.0cm
	Magnification Rate	— 0.18	0.25 - 0.51	0.46 - 0.71	0.71 - 0.96
	Size of Photography Field	— (22.0 × 32.5) cm	(22.5 × 27.4) - (11.1 × 13.5)cm	(12.4 × 15.0) - (7.9 × 9.6)cm	(8.0 × 9.7) - (5.0 × 7.1)cm
	Distance to Subject	∞ - 160cm	163 - 93cm	100 - 73cm	74 - 60cm
250mm F4.5	Distance to Subject	∞ - 160cm	163 - 93cm	100 - 73cm	74 - 60cm
	Magnification Rate	— 0.18	0.18 - 0.36	0.33 - 0.51	0.51 - 0.69
	Size of Photography Field	— (30.6 × 37.2) cm	(31.3 × 38.1) - (15.5 × 18.8)cm	(17.2 × 20.9) - (11.0 × 13.4)cm	(11.1 × 13.5) - (8.1 × 9.9)cm
	Distance to Subject	∞ - 346cm	352 - 206cm	222 - 165cm	166 - 139cm
360mm F6.3	Distance to Subject	∞ - 346cm	352 - 206cm	222 - 165cm	166 - 139cm
	Magnification Rate	— 0.128	0.125 - 0.253	0.228 - 0.356	0.353 - 0.480
	Size of Photography Field	— (44.0 × 54.8) cm	(45.0 × 54.8) - (24.7 × 30.1)cm	(24.7 × 30.1) - (16.0 × 19.4)cm	(16.0 × 19.4) - (11.7 × 14.3)cm
	Distance to Subject	∞ - 44.0cm	44.0 - 24.7cm	24.7 - 16.0cm	16.0 - 11.7cm

### Various foolproof interlocking safety devices

The Mamiya RB67 incorporates various interlocking safety devices to ensure error-free photography.

- \* Mamiya RB67 film holders are equipped with a double-exposure warning signal.
- \* When the dark slide is completely inserted, shutter cannot be released.
- \* Many other safety devices designed for the user's convenience are embodied in the Mamiya RB67.



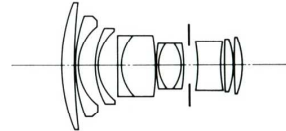
Mamiya/Sekor lenses with excellent color balance and high resolving power

The Mamiya/Sekor lens family for the Mamiya RB67 is the very essence of modern optical engineering technology. Design emphasis was placed on high resolving power and excellent color balance justifying the 6 x 7 cm format.

The family of seven interchangeable lenses from 50mm wide-angle to 360mm telephoto give the RB67 even greater versatility and flexibility to complement the new 6 x 7 cm format image.

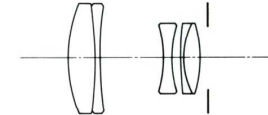
## 50mm F4.5

Construction: 11 elements in 8 groups  
Angle of View: 81°54'  
Smallest Aperture: 32  
Filter Size: 77 mm  
Lens Hood: Slip-on Type  
Weight: 920 grams



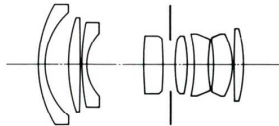
## 180mm F4.5

Construction: 5 elements in 3 groups  
Angle of View: 28°  
Smallest Aperture: 45  
Filter Size: 77 mm  
Lens Hood: Screw-in Type  
Weight: 875 grams



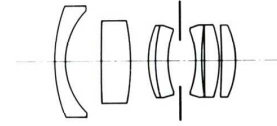
## 65mm F4.5

Construction: 8 elements in 8 groups  
Angle of View: 68°10'  
Smallest Aperture: 32  
Filter Size: 77 mm  
Lens Hood: Slip-on Type  
Weight: 840 grams



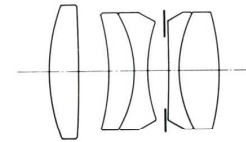
## 90mm F3.8

Construction: 7 elements in 6 groups  
Angle of View: 51°50'  
Smallest Aperture: 32  
Filter Size: 77 mm  
Lens Hood: Screw-in Type  
Weight: 705 grams



## 127mm F3.8

Construction: 5 elements in 3 groups  
Angle of View: 38°16'  
Smallest Aperture: 32  
Filter Size: 77 mm  
Lens Hood: Screw-in Type  
Weight: 655 grams







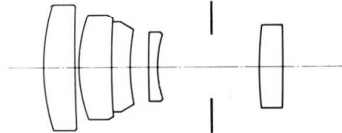
## 360mm F6.3

Construction: 8 elements in 5 groups  
Angle of View: 13°57'  
Smallest Aperture: 45  
Filter Size: 77 mm  
Lens Hood: Screw-in Type  
Weight: 1230 grams



## 250mm F4.5

Construction: 5 elements in 4 groups  
Angle of View: 20°  
Smallest Aperture: 45  
Filter Size: 77 mm  
Lens Hood: Screw-in Type  
Weight: 1310grams



### Auto extension tube No. 1 Auto extension tube No. 2

Tubes to be used for close-up photography and reproduction work in conjunction with built-in bellows unit. Can be coupled with various lenses and enables, for example, 1:1 close-up photography with combination of 90 mm lens and No. 1 tube.

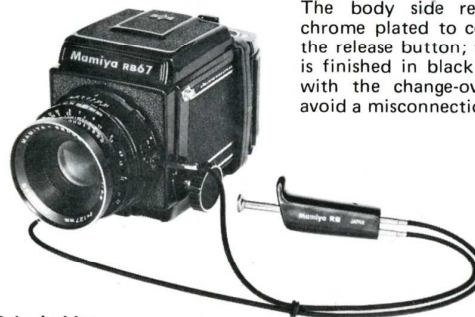


### Focusing knob adapter

### Mirror-up cable release

Very convenient for mirror-up photography at an ultra close-up range, an exclusive feature of the Mamiya RB67. Two actions—mirror-up and shutter release—are achievable. The black plastic grip portion features easy-to-grasp design.

The body side release tip is chrome plated to coincide with the release button; the other tip is finished in black to coincide with the change-over knob to avoid a misconnection.



### Grip holder

### Flashgun adapter with accessory shoe

### Aluminum custom case

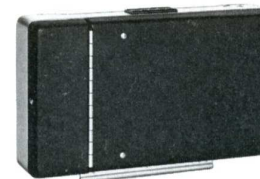
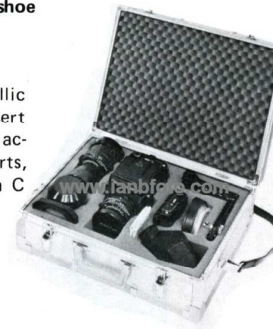
A strong surface-treated metallic case provided with a special insert to carry camera, lenses and accessories. By replacing the inserts, it can be used for the Mamiya C series and Press cameras.

### Compartment case

### Carrying case

### Soft lens case

### Polaroid® Land pack film holder (for Mamiya Universal Camera)



### Filter (screw-in type, 77φ)

Y2, YG, O2, UV, SL, ND16, and PL (polarizing)

### Roll film holder Model 2 for Mamiya Press (6 x 7 format)

### Roll film holder Model K for Mamiya Press

### Focusing screen holder for Mamiya Press

### Cut film/plate holder type J and A for Mamiya Press

### Film pack adapter for Mamiya Press

### Quick shoe

### Sun shield

### Lens hood

## Mamiya RB67 Professional Specifications

Type:	Single-lens reflex with 6 x 7 cm format and interchangeable lenses.												
Film:	120 roll film (10 exposures) and 220 film (20 exposures) with 6 x 7 cm format. Polaroid® Land Pack (100 series), cut film and dry plates can also be used.												
Film Size:	6 x 7 cm (7 x 7 cm in the case of Polaroid® Land Pack film)												
Lens:	Standard Mamiya/Sekor 90mm F3.8 Interchangeable lenses—Wide-angle Mamiya/Sekor 50mm F4.5, Mamiya/Sekor 65mm F4.5, Mamiya/Sekor 127mm F3.8, telephoto Mamiya/Sekor 180mm F4.5, Mamiya/Sekor 250mm F4.5, and Mamiya/Sekor 360mm F6.3.												
Shutter:	Seiko #1 with T and 1-1/400 sec. shutter speeds. MX flash synchronization. Shutter set by 75° turn lever on right side of body.												
Focusing:	Extension-retraction of extension bellows with the rack pinion using knobs on both sides. Maximum extension is 46 mm. Graph distance scale on the side of the camera.												
Finder:	With fresnel lens. 3.2x magnification with magnifying hood. Focusing hoods and focusing screens can be removed and interchanged. Five types of focusing screens available.												
Back:	Revolving back (90° turn).												
Back Holders:	120 and 220 roll film holders. Through use of adapters, Mamiya Press holders Polaroid® Land pack film holder and Graflex® holder can be used.												
Others:	Mirror-up release attachment, Double-exposure prevention indicator. Safety lock. Dark slide on side of body.												
Dimensions:	With 90 mm F3.8 lens and 120 roll film holder attached — 104 (width) x 139 (height) x 226 (depth) mm.												
Weight:	<table> <tr> <td>Body</td><td>1.050 grams</td></tr> <tr> <td>Focusing Hood</td><td>230 grams</td></tr> <tr> <td>Roll Film Holder</td><td>410 grams</td></tr> <tr> <td>Lens (90 mm F3.8)</td><td>705 grams</td></tr> <tr> <td>Revolving Adapter</td><td>200 grams</td></tr> <tr> <td>Total</td><td>2.595 grams</td></tr> </table>	Body	1.050 grams	Focusing Hood	230 grams	Roll Film Holder	410 grams	Lens (90 mm F3.8)	705 grams	Revolving Adapter	200 grams	Total	2.595 grams
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Total	2.595 grams												



## Special Accessories for Mamiya RB67 — Widen the world of photographic creativity —

### 120 Roll film holder

### 220 Roll film holder

### 6 x 4.5 120 Roll film holder

Exclusive holders are provided for both 120° (10-exposure) and 220 (20-exposure) Brownie-size film. Both holders adopt a semiautomat system, 180 film advancing mechanism (small-step advancing is possible) with double-exposure warning signal window.

The 6 x 4.5 120 roll film holder is used exclusively for Brownie-size film (120 format), and 16 frames of 6 x 4.5 cm can be taken. This holder is especially effective for snapshots and extensive color photography.



### Double cut film/plate holder (Type A & type J)

2½ x 3½-inch cut film and 4¼ x 6½-inch cut film can be utilized (picture size 6 x 7 cm format). Films can be easily loaded on the front and rear sides of the holder in a darkroom.



### Plate holder adapter

By attaching this adapter to the camera back, plate holder model 2 for the Mamiya C can be used.



### Film pack adapter

This adapter is for standard J520 film (12 exposures—2½ x 3½ inches); the picture size is 6 x 7 cm.



### P adapter

By attaching this adapter to the camera back, the Polaroid<sup>®</sup> Land pack film holder (for Mamiya Universal)



### M adapter (Vertical)

### M adapter (Horizontal)



### Magnifying hood

Used in place of a focusing hood for photographing outdoors or in a brilliantly illuminated studio. The hood blocks out extraneous light, offering easy image viewing and simplified focusing. (The magnifier is 2.5X).



### CdS finder

A waist level finder in which the magnifying hood and CdS exposure meter are combined. A compensating exposure factor need not be



### Prism finder

A high quality prism incorporated in this finder gives you a bright and clear image which appears exactly as the subject is seen. The easy-to-see viewing angle of 30° is ideal for rapid shooting.



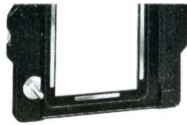
### Universal sports finder

Finder for use in catching fast-moving objects in news and sports photography. Depending on the type of lens used, the front frame can be slid and then fixed in





Adding this adapter to the P adapter permits the use of the holder (for Mamiya Press).



**Focusing screen**  
No. 1 Matte (Standard)  
No. 2 Checker  
No. 3 Rangefinder spot

No. 4 Microprism  
No. 5 Cross hair

considered even when a filter is attached. Adopting a magnifying type hood, light coming from the sky is blocked out, promising easy focusing.

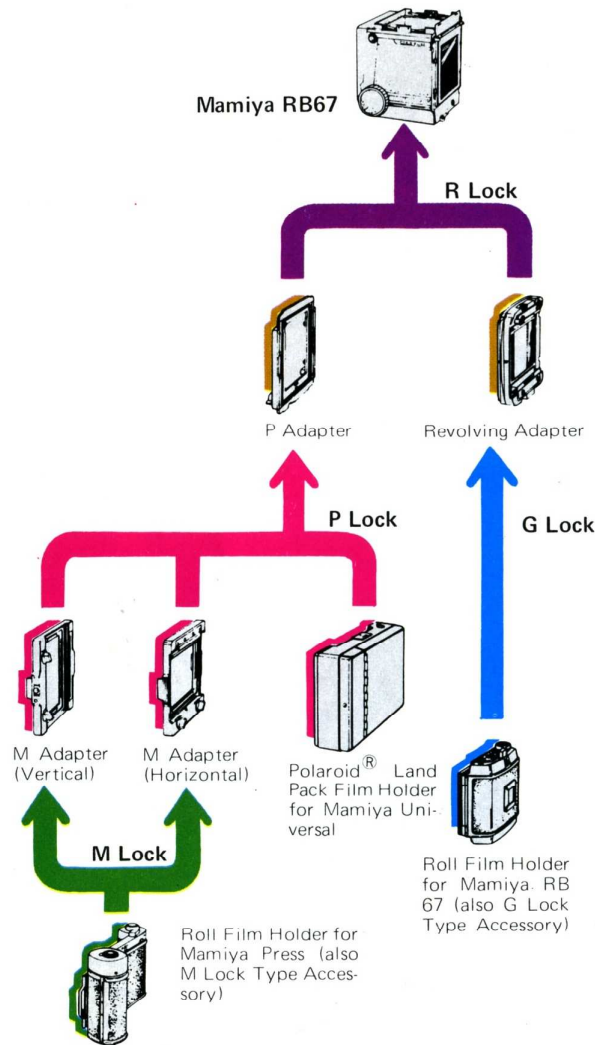


position. Both front and eye frames can be folded.

Gelatin filter holder



## Mamiya RB67 Professional Lock System



## Mamiya RB67 Professional System Chart

