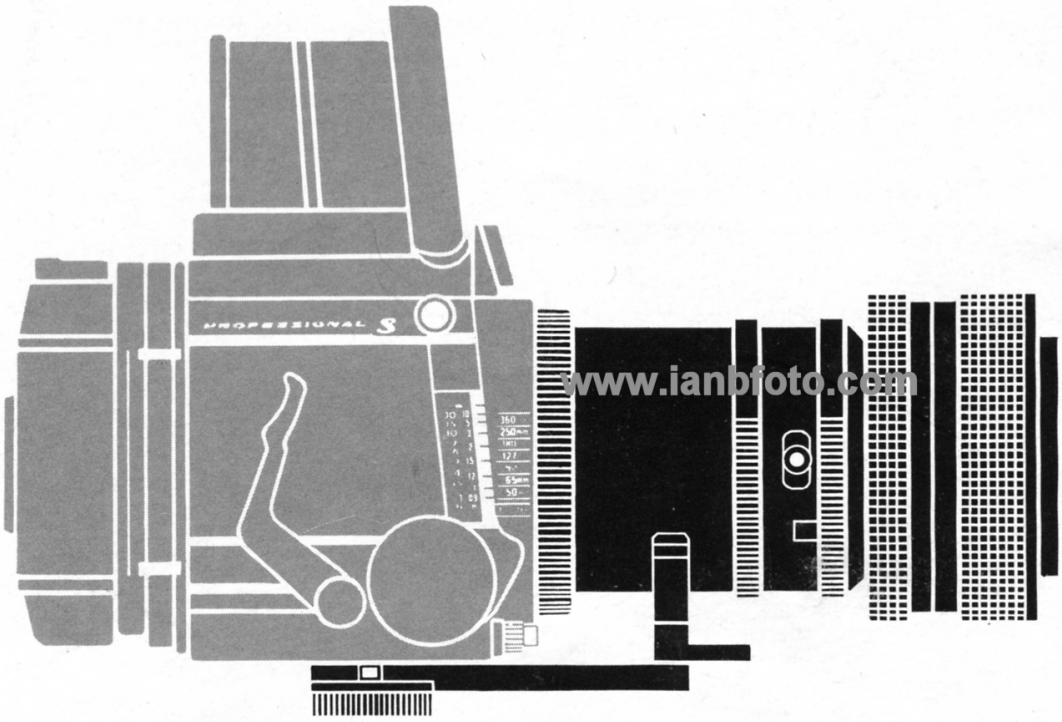
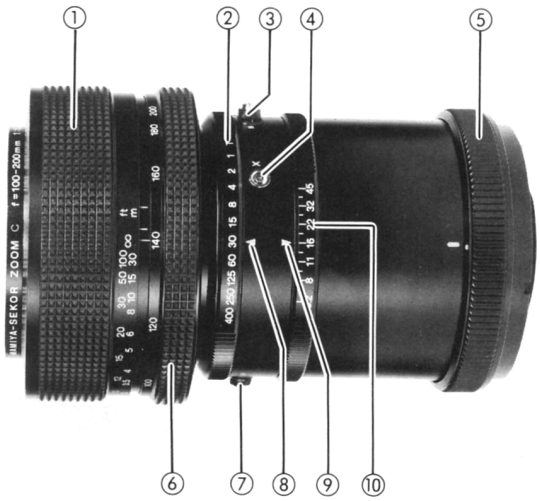
RB67 PROFESSIONAL

マミヤセコールズームC
100-200mm F5.2W
Mamiya-Sekor Zoom C
100-200mm f/5.2W
Mamiya-Sekor Zoom-Objektiv C
5,2/100-200mm W
Objektif Zoom C Mamiya Sekor
f/5,2W 100-200mm



日本語　使用説明書
English　Instructions
Deutsch　Bedienungsanleitung
Français　Mode d'emploi



Deutsch

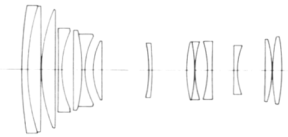
Technische Daten

Brennweite: 100-200mm
Optischer Aufbau: 14 Linsen in 12 Grouppen
Bildwinkel: 47° – 26°
Blendensteuerung: Automatisch
Kleinste Blende: f/45
Filterdurchmesser: 77mm Schraubfassung
Gegenlichtblende: Steckfassung (Spezialtyp)
Baulänge: 166mm
Max. Durchmesser: 108,5mm
Gewicht: 1660g ohne Objecktivstütze

Français

Caractéristiques

Distance focale: 100-200mm
Composition: 14 éléments en 12 groupes
Angle de champ: 47°–26°
Mécanisme d'ouverture: Automatique
Ouverture minimum: f/45
Filtre: ø77mm à vis
Paresoleil: Type à enfiler (exclusif)
Longueur: 166mm
Diamètre maximum: 108,5mm
Poids: 1.660g (sans le porte-objectif)

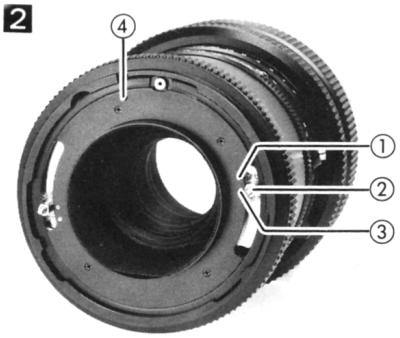


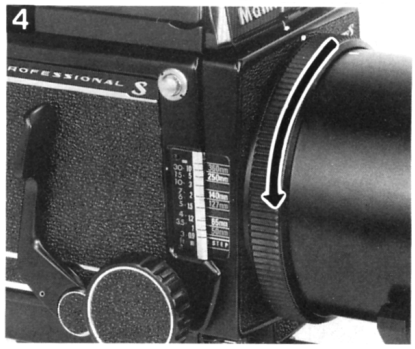
Bezeichnung der Teile

① Entfernungsring
② Verschlußzeitenring
③ Drahtauslöseranschluß
④ X-Synchronkontakt
⑤ Bajonett-Überwurfring
⑥ Zoomring
⑦ Umschaltknopf für Spiegelvorauslösung
⑧ Verschlußzeiten-Index
⑨ Blenden-Index
⑩ Blendenring
⑪ Auslösersperrstift
⑫ Verschluß-Spannindex (grüner Punkt)
⑬ Verschluß-Spannindex (roter Punkt)
⑭ Verschluß-Spannstifte

Description

① Bague de mise au point
② Bague de vitesse d'exposition
③ Unité ampoule
④ Prise de flash (sync X)
⑤ Bague à baionnette
⑥ Bague de zooming
⑦ Prise de relevage du miroir
⑧ Index de vitesse d'exsposition
⑨ Index d'ouverture
⑩ Bague d'ouverture
⑪ Broche de verrouillage de l'obturateur
⑫ Repère de position d'armement (point vert)
⑬ Repère de position d'armement (point rouge)
⑭ Broche d'armement de l'obturateur





Before Attaching the Lens

1. Set the mirror of the camera body by sliding the cocking lever fully toward the front of the body. (Photo 1)

2. Make sure the lens shutter is cocked. If not cocked, firmly rotate the shutter cocking pin (1) to the red dot (2). The pin will return to the green dot (3) upon releasing the pin and the shutter blades will remain open. Be sure to rotate the pin as far as the red dot to prevent incomplete shutter cocking.

Attaching the Lens

1. Turn the bayonet ring counterclockwise, and align the red dot on the bayonet ring with the triangular mark at the center.
2. Mount the lens, keeping the triangular mark aligned with the lens mounting mark; then firmly twist the bayonet ring clockwise. Now, the camera and lens have been set. (Photo 3)

Removing the Lens

Remove the lens while the mirror and the shutter are cocked.
Turn the bayonet ring counterclockwise, aligning its red dot with the lens mounting mark on the body, and remove the lens. (Photo 4)

- If the mirror and the shutter are not cocked in this instance, the lens cannot be removed, because turning the bayonet ring will be intercepted by action of the safety interlock mechanism.

Using the Lens

Using the lens as zoom

Completely squeeze the bellows to the ∞ mark and secure it with the focusing knob lock lever.

- Rotate the shutter speed ring until a desired figure on the ring is aligned with the Shutter speed index ▲.

Rotate the aperture ring until a desired figure on the ring is aligned with the Aperture index ▼. When the shutter is activated, the pre-selected aperture will automatically be made. Focus by rotating the focusing ring (3m to ∞), and zoom by rotating the zoom ring.

* The old type RB body pre Pro-S is not provided with a focusing knob lock lever. The lock lever can be installed at Mamiya Service Center.

Macro photography within 3m

Focus by extending the bellows from the body and adjusting the focusing ring. (Through macro photography is possible at other parts of the focus range. The ∞ position is recommended because of the lens characteristics.)
When f=100mm, minimum focusing distance is 0.55m.

- If a photograph is taken at maximum aperture in the vicinity of 3m on the lens focusing ring, vignetting may occur at the corners of the image. To prevent such vignetting, following procedure is recommendable.
- Set the aperture at about 2 stops smaller (f/11) than the maximum aperture.
- Or, when photographing with maximum aperture, set the lens focusing ring at the ∞ position and then focus by the focusing kob of the camera body.

NOTE: Since the focus movement will occur due to zooming, re-focus again after zooming.

Table of Close-up photography

(For close-up photography, use as small an aperture as possible)

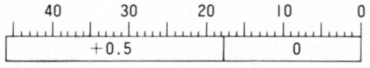
Focal Length	Magnification	Focusing Distance (cm)	Subject Distance (cm)	Area Covered (cm)
100	~0.45	~ 54.8	~22.5	~(12.6×15.4)
120	~0.38	~ 63.3	~31.0	~(14.6×17.8)
140	~0.33	~ 75.8	~43.5	~(17.1×20.9)
160	~0.29	~ 90.6	~58.3	~(19.5×23.8)
180	~0.26	~107.7	~75.4	~(21.9×26.7)
200	~0.24	~121.7	~89.4	~(23.7×28.9)

When the camera body bellows are fully extended and the lens focuing ring is set at the infinity position ∞:

- Focusing distance: from the film plane to the subject.
- Subject distance: from the front rim of the lens to the subject.
- Area covered (cm)

Exposure compensation

Use the scale below regardless of the adjusted positions of zooming and lens focusing ring.



Time (T) Photography

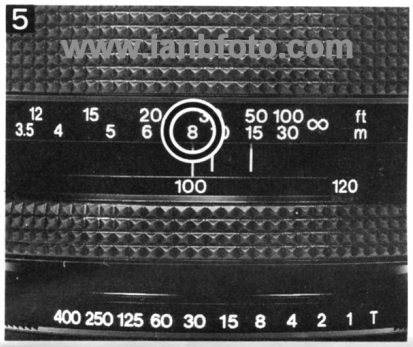
1. When releasing the shutter with the shutter speed dial set at T (time), the shutter remains open, allowing long time exposure photography.

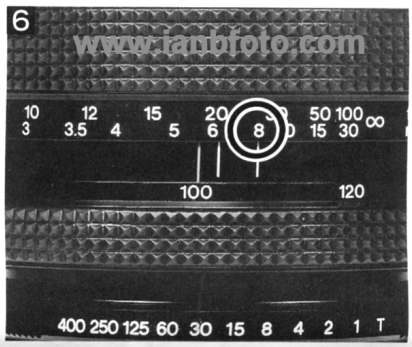
2. Close the shutter in any of the following procedures:

- Attaching a cable release to the bulb unit and push the release.
- Turn the speed ring in the direction of 1 sec.
- Push the socket of the valve unit.

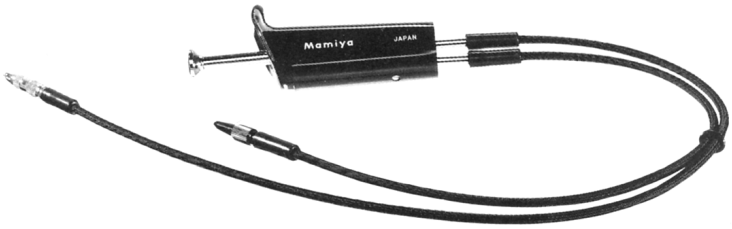
Infrared Photography

For infrared photography, after focusing in the normal manner, make focusing adjustments by turning the focusing ring until the distance just aligned with the red line (normal reference mark) is set to the: blue line with the 100mm zoom, and yellow line with the 200mm zoom, respectively.
In the case of mid-zoom, use setting between the blue and yellow lines.
The photos above show correct setting (aligned with the blue line) for infrared photography with 100mm zoom lens.
(Photo 5 6)





ミラーアップ操作に便利なミラーアップレリーズが別売されています。



A convenient double cable release is available as an accessory.

Mirror-up Photography

1. After screwing a cable release firmly into the mirror-up socket of the lens, the socket will elevate slightly and the camera will be ready for mirror-up operation.
2. Press the cocking lever as far as it will go Step 2 may either follow or precede step 1.
3. Depress the shutter release button. The mirror will rise, but the shutter will remain closed.
4. Press the plunger of the cable release and the shutter will operate.
5. When you no longer need mirror-up operation, remove the cable release.
Upon removing the cable release, the mirror-up socket will retract and the camera will return to normal shutter operation.
If you complete step 3 above, but remove the cable release without making an exposure (step 4), the shutter will be released as soon as the cable release is removed.
Even when using mirror-up operation, everytime the shutter is cocked, the mirror is reset. Therefore, it is possible to check the viewfinder before each frame is exposed.

Caution

- As long as a cable release remains attached to the mirror-up socket, the camera is set for mirror-up operation. Consequently, it will not be possible to take a photograph by merely pressing the shutter release button.
- If the red line around the mirror-up socket is still visible when the cable release is removed, the camera is still set for mirror-up operation. If such is the case, reattach the cable release, making sure that the Socket retracts as you remove it once again.

Using PD Prism Finder, PD Magnifying Hood

1. Set the aperture scale on the finder to the position of f/5.2.
2. Read any combined values of the finder's shutter speed dial scale and aperture scale, and set the values in the lens.

Caution

- Do not attempt to use two layers of filters, as vignetting around the image may result.
- Use the exclusive lens hood provided. Make sure of its secure installtion.
- When using the bellows lens hood G-2, gelatin filter holder or PL filter attached to this zoom lens, vignetting may develop at the four corners of the image depending on the focusing distance and aperture.
- Use the bellows lens hood G-3 and its gelatin mount with this zoom lens is recommended.
- An extension tube cannot be used.

Using the zoom lens with RZ body

1. Set the focusing ring of the lens to ∞.
2. Focus sharply on the subject by rotating the focusing kob of the body.
3. Lock the focusing knob lock lever.
4. Focus again by the lens focusing ring before shooting.
(The above steps are taken due to differerces in flange back of RB and RZ.)

- An exclusive lens holder is available for this zoom lens. (Use it when performing macro photography or using the bellows hood G-3.)