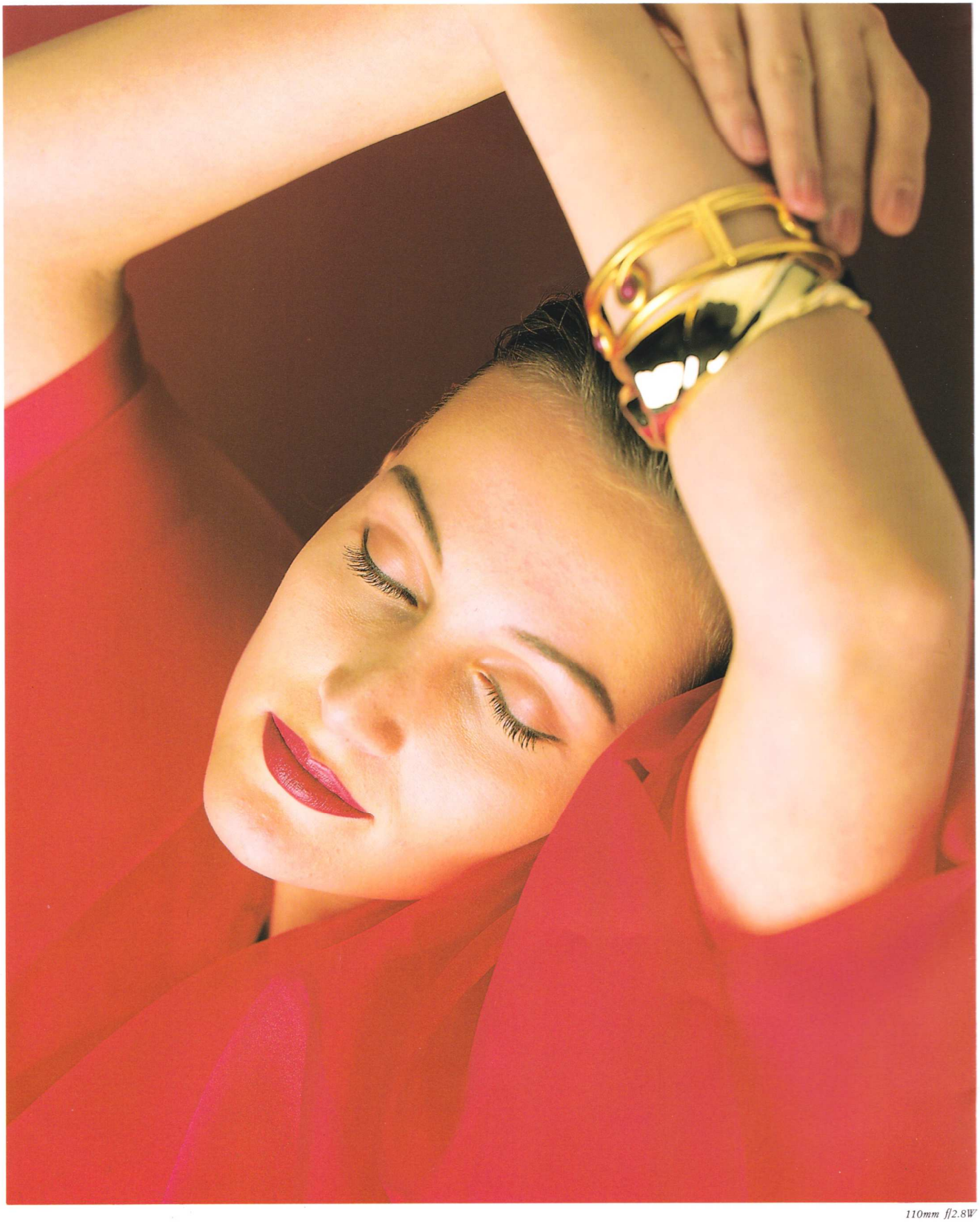
Mamiya

RZ67 PROFESSIONAL II



110mm f/2.8W

The Ultimate Medium Format SLR
Mamiya RZ67 Professional II

Mamiya pioneered the 6 × 7cm medium format SLR system camera when it introduced its first model, the RB67 Professional in 1970. The RZ67 Professional followed in 1982 and offered greater automation by combining modern electronics with improved mechanical features. It became the favorite camera of the world's top photographers. Now we are proud to present the RZ67 Professional II and dedicated accessories, which offer even more improvements, features and advantages.

The RZ67 Professional II is a complete system camera with many desirable and exclusive features:

6 × 7cm "Ideal Format" enlarges to 8 × 10 proportions without cropping and without wasting negative area.

Revolving Back which permits vertical or horizontal composition without having to turn camera on its side or removing and reattaching film holders.

Bellows Focusing, with rack and pinion drive, useable with left or right hand, coarse and fine focusing knobs plus focus lock lever. At infinity bellows is completely enclosed, permitting use for aerial photography.

Interchangeable Mamiya Lenses of world-class quality, with Leaf Shutters, speeds from 8 to 1/400 sec. Electronic Flash synchronized at all speeds.

Intermediate shutter speed setting on camera speed dial.

Interchangeable Finders.
AE Prism Finder FE701 with three metering modes, including A/S Matrix Metering, 1/6 f/stops exposure accuracy, and LED function displays.

Interchangeable Film Holders, now with twin film counters for easy visibility in horizontal or vertical position and new mechanical improvements for maximum film flatness.

Many Fail-Safe System Checks with visual and audible warning signals.

System Compatibility with all existing RZ and RB lenses and most accessories.

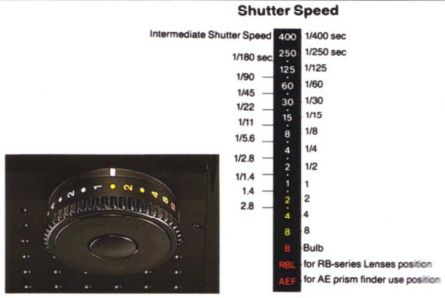
It all adds up to making the RZ67 Professional II the most versatile, reliable and desirable camera for sophisticated and demanding professional photographers.

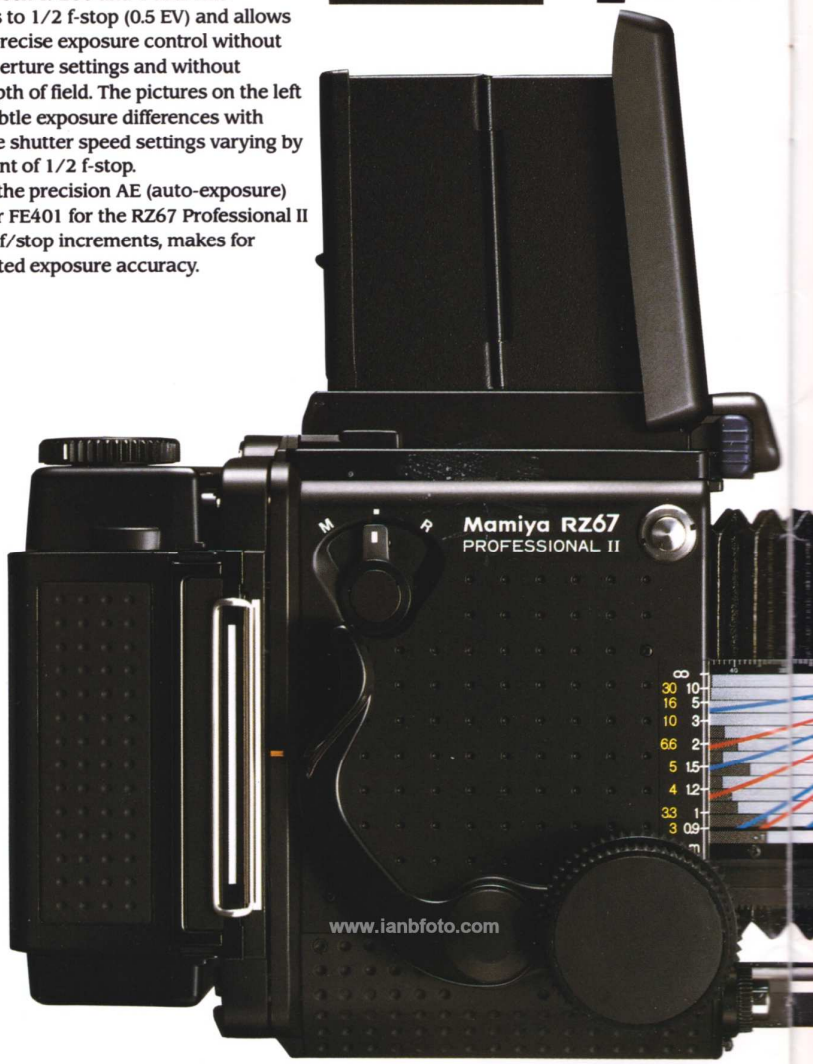
Mamiya
RZ67
PROFESSIONAL II

Only the RZ67 Professional II Offers All These Important Fea t

Intermediate Shutter Speed Settings.

The shutter speed dial of the RZ67 Professional II with a Shutter speed range of 8 sec. to 1/400 sec, permits setting intermediate shutter speeds between 1/250 and 4 sec. This corresponds to 1/2 f-stop (0.5 EV) and allows even more precise exposure control without changing aperture settings and without affecting depth of field. The pictures on the left show the subtle exposure differences with intermediate shutter speed settings varying by the equivalent of 1/2 f-stop.
Paired with the precision AE (auto-exposure) Prism Finder FE401 for the RZ67 Professional II with its 1/6 f/stop increments, makes for unprecedented exposure accuracy.





6 × 7cm—The Ideal Format

6 × 7 is called the ideal format because it enlarges to the standard 8 × 10″ paper size without cropping, thus utilizing the entire image area. The 6 × 7 format of the RZ67 Professional II (actual image size is 56 × 69.5mm) is about 5 × larger than a 35mm frame and offers far superior image quality for enlargements or full page magazine reproductions. 6 × 7 transparencies can be viewed on the light table without magnifiers. Having the choice between a 35mm or 6 × 7 slide of the same subject, an art director or editor will almost always choose the latter.

tures and Advantages

Mamiya Revolving Back With Automatic Finder Masking

250mm f/4.5 W + Extention Tube No. 1

With a flip of the wrist, the Revolving Back—a Mamiya exclusive among 6 × 7 SLRs—can be rotated for horizontal or vertical format without changing the optical axis. At the same time it also automatically changes the masking frame in the finder to match the format.

Rack & Pinion Bellows Focusing

110mm f/2.8 W

A precise plane of focus is, of course, at the heart of professional photography. Mamiya knows accurate focusing demands unparallelled mechanical precision, which is why all Mamiya 6 × 7 format camera have always employed rack & pinion bellows focusing systems. With a 46mm lens rack, the bellows assures pinpoint focusing over the widest possible range. The standard 110mm lens, for example, can focus down to a distance as close as 31.3cm, while the wide-angle 65mm lens focuses to 8.5cm and the tele lens 180mm to 82.9cm.

The crispness of results at minimum focusing distance is a hallmark of the RZ67 Professional

150mm f/3.5 W

Electronic Flash Synchronization

Mamiya RZ67 Professional II lenses are mounted in Seiko #1 electronic leaf shutters with shutter speeds from 8 to 1/400 sec. and can be flash synchronized at all shutter speeds. Fill-flash photography, so important for maximum professional results, is therefore made very easy.

Form Follows Function

A professional camera should become an extension of the photographer's hands, so that its operation is almost instinctive, leaving his/her mind free to concentrate on the subject and giving creativity free rein. This was the aim of Mamiya's design engineers when they created the full-featured RZ 67 Professional II.

Large Focusing Knob With Additional Fine Focus Feature.

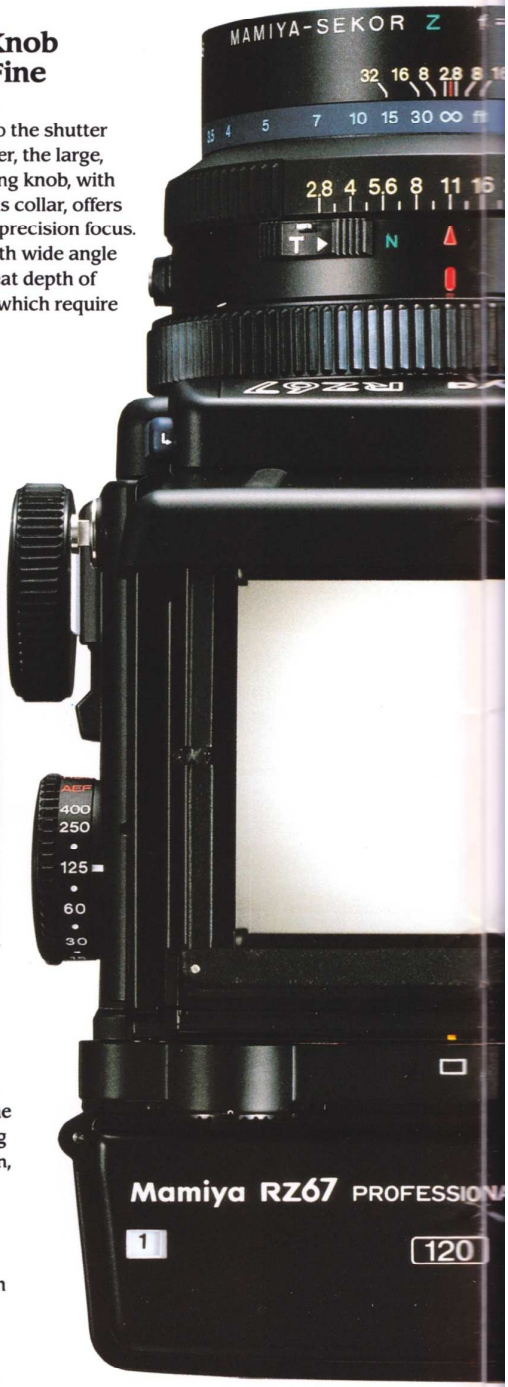
Strategically placed next to the shutter cocking/film transport lever, the large, smooth functioning focusing knob, with its supplimentary fine focus collar, offers both fast action focus and precision focus. This is especially useful with wide angle lenses because of their great depth of field and telephoto lenses which require critical distance setting.

M65mm f/4 L-A

90mm f/3.5 W

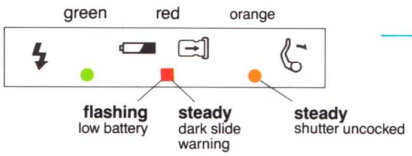
Ergonomic Design

With the most frequently used action controls placed on the right side of the camera body, the functions of the film transport/shutter cocking lever, focusing knob and shutter release button, feel like one organic unit and make hand holding of the camera and fast operation very convenient. Attaching the accessory L-Grip, with its built-in electronic shutter release, further enhances this option. The dimpled, non slip rubberized covering makes the camera comfortable and secure to hold.



Mechanical Interlocks; Visual and Audible Warning Signals.

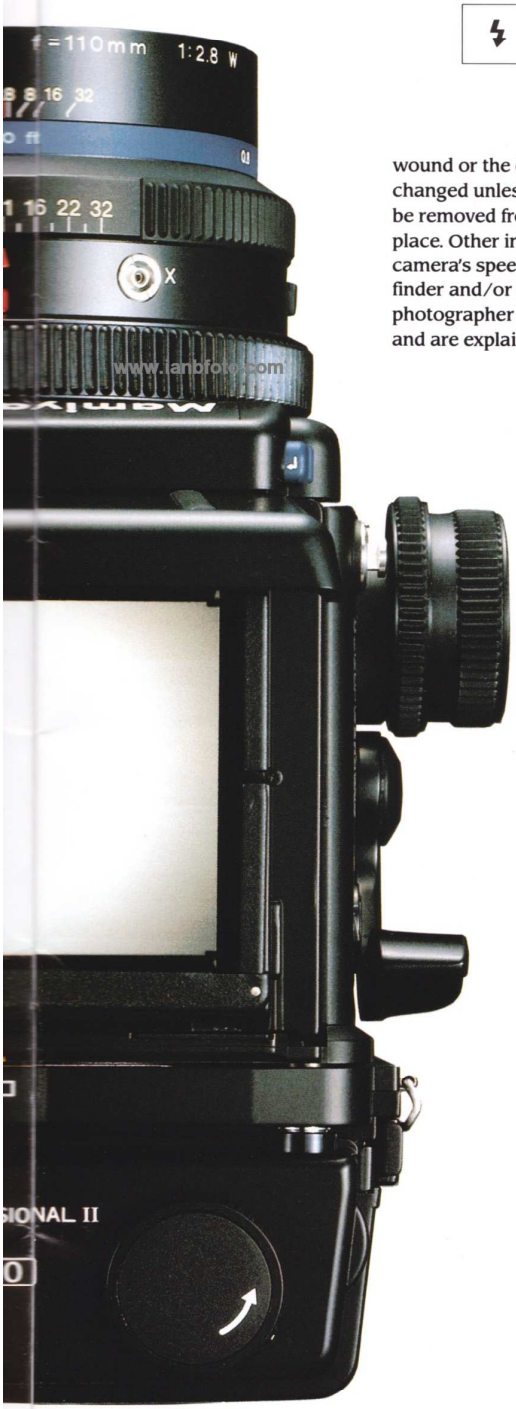
Realizing that the professional photographer must frequently work under pressure, the RZ67 Professional II incorporates many failsafe features to prevent operating errors. Thus, the shutter cannot be released if the film is not



wound or the dark slide not with-drawn. Lenses cannot be changed unless the mirror is cocked, nor can the film holder be removed from the camera unless the dark slide is in place. Other interlocks control the proper setting of the camera's speed dial. Glowing or flashing LEDs, visible in the finder and/or audible electronic sounds inform the photographer of all incompatible camera control settings and are explained in the instruction manual.

Two Film Counter Windows

RZ67 Professional II film holders feature two film counter windows for easy reading in either horizontal or vertical position.



110mm f/2.8 W

180mm f/4.5 W-N

Single Action, Triple Function, Film Advance Lever

Film advance, shutter cocking and mirror setting are accomplished with a single stroke of this lever. When the optional RZ Power Winder II is attached to the camera, pressing the camera shutter release will automatically activate these functions.

A Versatile System Camera

The RZ67 Professional II modular components system makes this camera the most useful all-around tool for the professional photographer. Interchangeable, high quality lenses, from extreme wide angle to telephotos, with many special purpose lenses in between; interchangeable finders for waist level or eye level viewing, with or without exposure metering; interchangeable focusing screens; interchangeable film holders for different image sizes; Polaroid film holder, manual or motorized operation plus a host of useful accessories, that's what makes this camera so versatile.

180mm f/4.5 W-N

Interchangeable Film Holders

Match film type and format precisely to the job, on every shot. The RZ67 Professional II accepts the complete range of Mamiya 120/220 roll-film backs, including backs for the 6 × 4.5cm formats and Polaroid Pack film holders. Using the handy G-adaptor enables use of RB67 film backs.

Electronic Interface

The ISO film speed dial is located on the holders and interfaces electronically, through gold plated contacts, with the camera body, AE Prism Finder and RZ lenses.
You set the dial when you load the film and never have to worry about correct exposure meter indexing.
(Electronic data functions are not available when using RB67 lenses.)

Interchangeable Finders and Focusing Screens

The Waist Level Finder FW702 with self-erecting focusing hood and magnifier is factory supplied with each camera. The eye-level AE Prism Finder FE701 is the most important accessory. It offers three-way metering (average, spot or auto shift) and computerized, aperture-priority shutter control, compatible with the RZ67 Professional IIs intermediate shutter speeds. It can also be operated manually. Exposure compensation to ±3EV and AE Lock are other features. All RB67 finders can be used for manual operation.

World-Class Lenses For The RZ67 Professional II

Interchangeable power winder

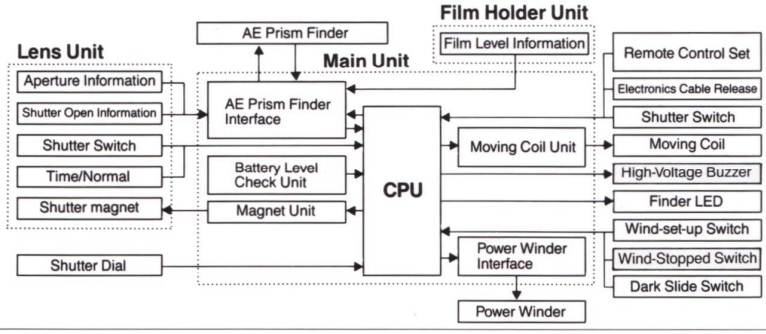
The Power Winder 2 is energized by batteries or an AC Adapter, advances the film, cocks the shutter and resets the mirror automatically. It produces single or sequence exposures at about 1 frame per second. It can be remote controlled with radio or infrared transmitters.

Body/Lens Interface

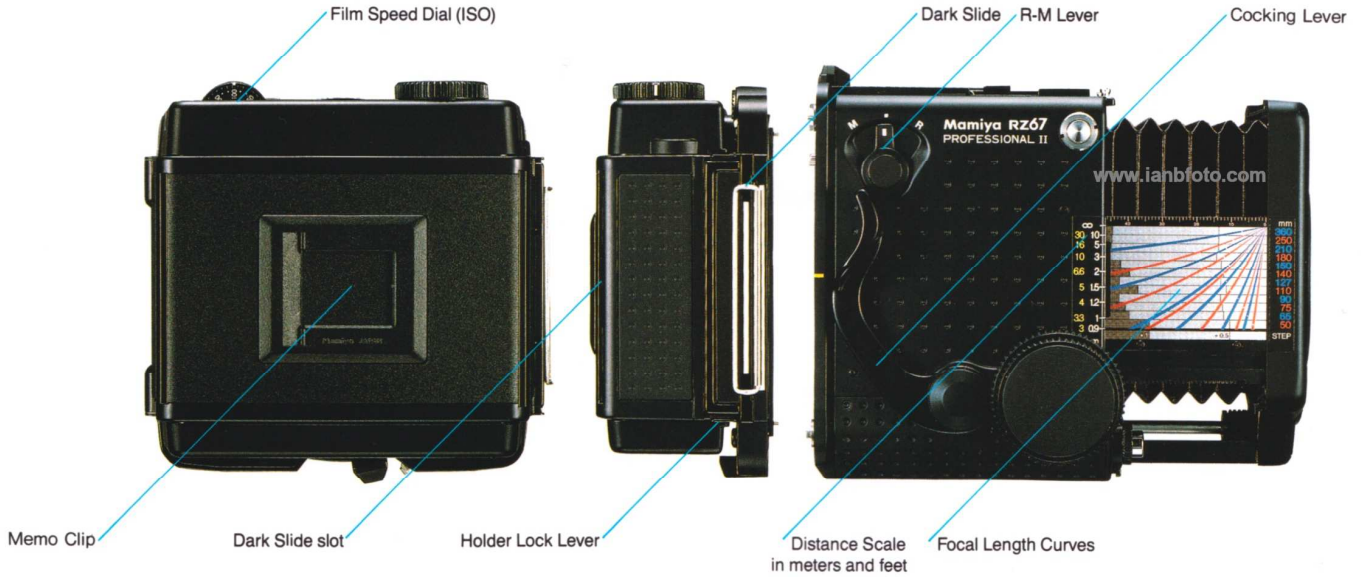
From Right to Left in Body Connection

① Aperture Information
② Shutter Contact
③ Shutter Contact
④ Shutter Speed Control Contact
⑤ X Circuit Contact
⑥ Shutter Speed Control Contact
⑦ Time Switch Contact (normal)
⑧ Time Switch Contact (Time)
⑨ Ground Contact
⑩ Shutter Open Contact
⑪ Time Switch Contact (common)
⑫ Aperture Information

RZ67 Professional II «Electric Block Diagram»

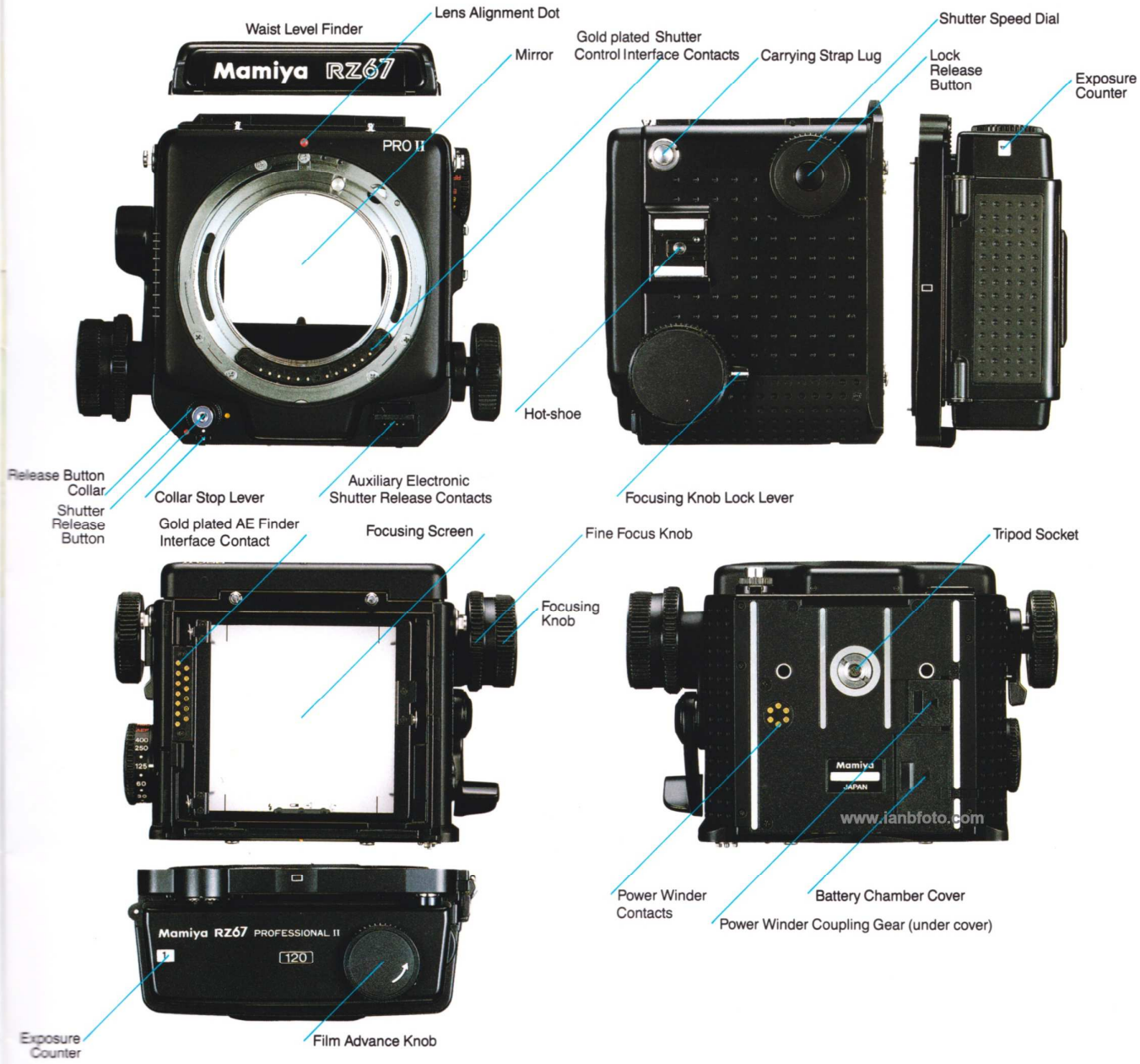


Nomenclature & Specifications



MAMIYA RZ67 PROFESSIONAL II ‹‹Specifications››

Type: 6 × 7 format lens-shutter SLR
Format: 6 × 7cm (56 × 69.5mm with 120/220 roll film)
Film Holders: Revolving camera back accept various holders with film speed index dial and film counter.
Lens Mount: Bayonet mount with electronic connections and built-in safety lock
Lenses: Interchangeable Mamiya-Sekor lens-shutter optics; standard lens is 110mm f/2.8W
Shutter: Seiko #1 electronic lens shutter with speeds of 8″ to 1/400″ plus mechanical B and T settings, RBL (for RB-series lenses) and AEF (for AE prism finder use); accepts X-flash or camera hot-shoe synch
Shutter Release: Electromagnetic with lock. Emergency mechanical operation at 1/400 sec. Only
Film Advance: Single-action lever with 114° stroke; cocks shutter and mirror actions; Power-Winder available
Multiple Exposures: R/M lever at M position
Focusing: Rack/pinion bellows mechanism with Tension control; bellows extension to 46mm with fixed indicator of film plane-to-subject distance and magnification
Viewfinder: Waist-level with sealed magnifier (2.9x) and operating indicators; other viewfinder options



Field-of-View: 95%* with automatic revolving mask for vertical/horizontal image

Safety Functions:

Finder—LEDs indicate operating status, lens cap, battery level

Audible Warnings—If shutter dial at RBL with RZ lens attached; if shutter dial at AEF after AE finder is removed; if shutter dial not at RBL with RB lens or no lens attached; when battery level too low for operation

Release Lock—When shutter/film advance not cocked; when dark slide attached; when RZ lens with shutter dial at RBL; when RB lens or no lens with shutter dial not at RBL

Finder Screen: Type A matte screen with fresnel lens standard; interchangeable screen options

Release Options: Electromagnetic cable release contacts on camera body also accepts mechanical cable release, self-timer release, remote control release set

Power: One 6V silver-oxide (4SR44) or alkaline (4LR44) battery

Dimensions/Weight: 108 × 133.4 × 212.5mm (W × H × L)/2,490g with 110mm f/2.8 lens and 120 roll film holder (HA703)

*This information is based on a linear (horizontal/vertical) measurement.

Specifications subject to change without notice.

World- Class Mamiya Lenses

Mamiya's world-class lenses, combined with the equally renowned mechanical precision of Mamiya camera bodies and film magazines are the foundation of Mamiya's reputation as tops in the medium format camera field. Mamiya designs and manufactures its own optics, using the latest optical glass and coating technologies and computerized processes.

Shift 75mm f/4.5 W

Macro M140mm f/4.5 M/L-A

Interchangeable lenses available for the RZ67 Professional II include wide-angle, standard, telephoto, fisheye, shift, macro, and zoom lenses. A complete array of superior optics to meet every need. The high-contrast "M" series wide-angle and macro lenses, in particular, employ ultralow anomalous-dispersion glass. Four highly regarded APO telephoto lenses also use ultralow anomalous-dispersion glass to guarantee maximum correction of all optical aberrations while fully meeting professional needs. RB67 lenses can also be used with the RZ67 Professional II.

Lens	Fisheye Z 37mm f/4.5W	Z50mm f/4.5W	ULD M50mm f/4.5L	M65mm f/4L-A	Shift Z 75mm f/4.5W	Z90mm f/3.5W	Z110mm f/2.8W	Macro M 140mm f/4.5M/L-A
Optical Construction	9 elements 6 groups	11 elements 9 groups	15 elements 11 groups	9 elements 8 groups	11 elements 9 groups	6 elements 6 groups	6 elements 5 groups	6 elements 4 groups
Angle of view	180°	84°	82°	68°	62°	53°	44°	35°
Minimum aperture	32	32	32	32	32	32	32	32
Diaphragm	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Minimum Focusing distance	0.26m	0.28m	0.29m	0.35m	0.42m	0.43m	0.53m	0.76m
Maximum magnification ratio	1.23	0.9	0.88	0.7	0.6	0.51	0.42	0.33
Area Covered	45 × 56mm	62 × 77mm	63 × 78mm	80 × 100mm	93 × 115mm	110 × 136mm	135 × 167mm	173 × 214mm
Equivalent focal length for 35mm	18mm	24mm	24mm	32mm	36mm	44mm	53mm	68mm
Filter size	40.5mm	77mm	77mm	77mm	105mm	77mm	77mm	77mm
Lens hood	None required	Slip-on	Slip-on	Slip-on	None required	Screw-in	Screw-in	Screw-in
Dimensions (L × W)	100.3 × 112mm	82.2 × 97.2mm	92.7 × 97.2mm	113 × 97.2mm	152 × 108mm	82.1 × 97.2mm	62 × 97.2mm	97 × 97.2mm
Weight	1,280g	760g	954g	1,060g	1,660g	690g	610g	930g

• The Shift Z 75mm f/4.5W can be shifted 20mm vertically and horizontally, and 17mm diagonally. In case it has been shifted more than 17mm, depending on how the direction in which the lens is shifted is combined with extension, part of the shorter side of the picture area may be clouded outside the visible field of view.

150mm f/3.5 W

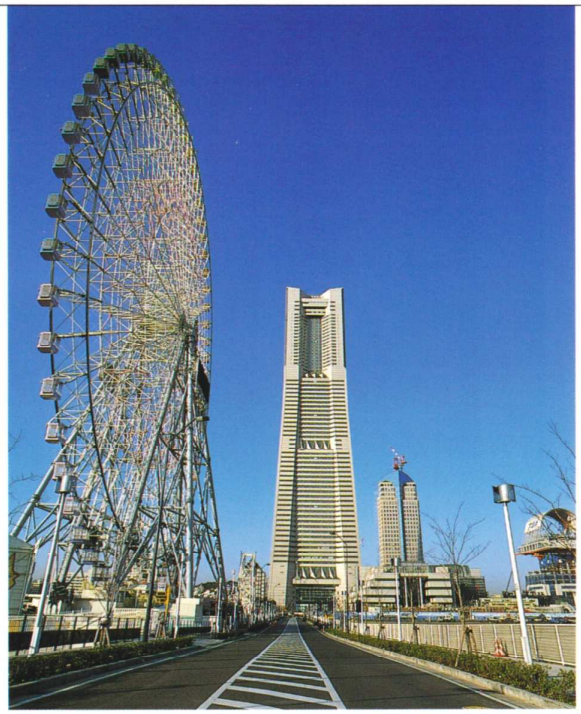
Z150mm f/3.5W	Z180mm f/4.5 W-N	Soft M180mm f/4D/L	Z250mm f/4.5W	Zoom Z 100 ~ 200m f/5.2W	APO 210mm f/4.5	APO 250mm f/4.5	APO 350mm f/5.6	APO 500mm f/6
6 elements 4 groups	4 elements 3 groups	6 elements 4 groups	5 elements 4 groups	14 elements 12 groups	7 elements 5 groups	7 elements 5 groups	7 elements 6 groups	7 elements 7 groups
33°	28°	28°	20°	48° ~ 25°	24°	21°	15°	10°
32	45	32	45	45	45	45	45	45
Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
0.82m	1.10m	1.05m	1.85m	(W) 0.55m ~ (T) 1.22m	1.43m	1.86m	3.42m	6.49
0.31	0.26	0.26	0.19	(W) 0.45 ~ (T) 0.24	0.22	0.19	0.13	0.09
183 × 277mm	217 × 270mm	211 × 262m	297 × 369mm	(W) 126 × 156mm (T) 237 × 294mm	256 × 318mm	298 × 370mm	420 × 521mm	597 × 740mm
73mm	87mm	87mm	121mm	48 ~ 97mm	102mm	119mm	167mm	238mm
77mm	77mm	77mm	77mm	77mm	77mm	77mm	77mm	105mm
Screw-in	Screw-in	Screw-in	Screw-in	Slip-on	Screw-in	Screw-in	Screw-in	Slip-on
83 × 97.2mm	119.3 × 97.2mm	118 × 97.2mm	126 × 97.2mm	173 × 108.5mm	114 × 97.2mm	144.8 × 97.2mm	191.2 × 97.2mm	278.5 × 108mm
825g	900g	1,039g	1,080g	1,620g	980g	1,340g	1,455g	2,315g

• When photographing with the Zoom C100 ~ 200mm lens at 3m ~ ∞, use the lens helicoid for focusing. When taking close-up within 3m, set the helicoid at ∞ and extend the body bellows for focusing. Data on the minimum focusing distance, minimum magnification and area covered only on this lens denote those when the helicoid is at the infinity position and the bellows are most extended.

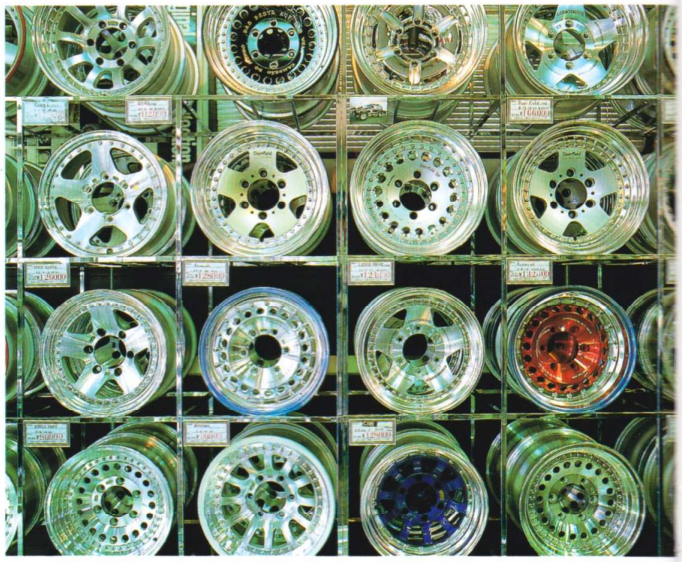
Wide-angle lenses

Fisheye Z37mm f/4.5 W Z50mm f/4.5 W ULD M50mm f/4.5 L M65mm f/4 L-A

Fisheye 37mm f/4.5 W



50mm f/4.5 W



M65mm f/4 L-A

ULD M50mm f/4.5 L

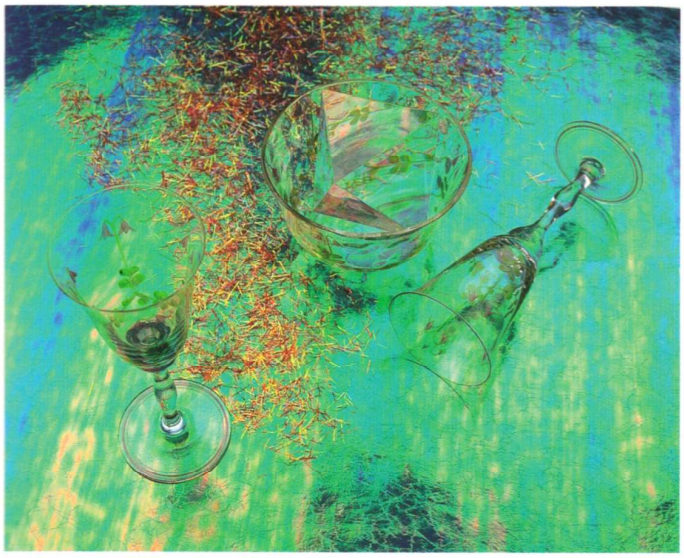
The 37mm fisheye lens provides a 180° field-of-view for unique perspective. The super wide-angle Z50mm f/4.5W lens allows detailed resolution of even peripheral elements. The M50mm ULD f/4.5L-A is a high-performance lens that employs ultralow dispersion and anomalous dispersion glass to achieve an extremely small amount of chromatic aberration. Due to the use of a floating-element system, clear and uniform images can be obtained edge-to-edge in the 6 × 7 image area. The M65mm also employs a floating element design and ultra-low dispersion glass to optimize color correction, eliminate ghost images and fully correct optical distortion.

Fisheye 37mm f/4.5 W 50mm f/4.5 W ULD M50mm f/4.5 L M65mm f/4 L-A

Standard lenses

Z90mm f/3.5 W Z110mm f/2.8 W

110mm f/2.8 W



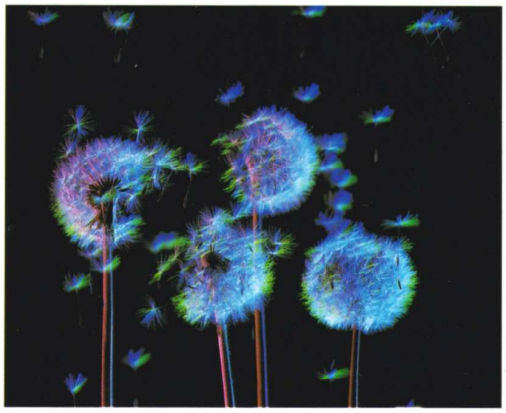
90mm f/3.5 W

The 90mm is a retrofocus design providing excellent, even contrast all the way to the periphery of the frame as well as high resolution. The 110mm is a Gauss design to offer extra brightness at a maximum aperture of f/2.8, full correction of optical distortion and fine resolution.

90mm f/3.5 W 110mm f/2.8 W

Telephoto lenses

Z150mm f/3.5 W Z180mm f/4.5 W-N Z250mm f/4.5 W



150mm f/3.5 W

250mm f/4.5 W

The 150mm and 180mm lenses display high image quality and natural coloring throughout the whole picture after opening up the aperture due to an increase in the amount of peripheral light. The 180mm lens is a Tessar type. The 250mm lens can achieve high image quality and natural coloring, as in the case of the 150mm and 180mm lenses, through the suppression of chromatic aberration and an increase in the amount of peripheral light.

150mm f/3.5 W 180mm f/4.5 W-N 250mm f/4.5 W

Macro lens

Macro M140mm f/4.5 M/L-A

Macro M140mm f/4.5 M/L-A

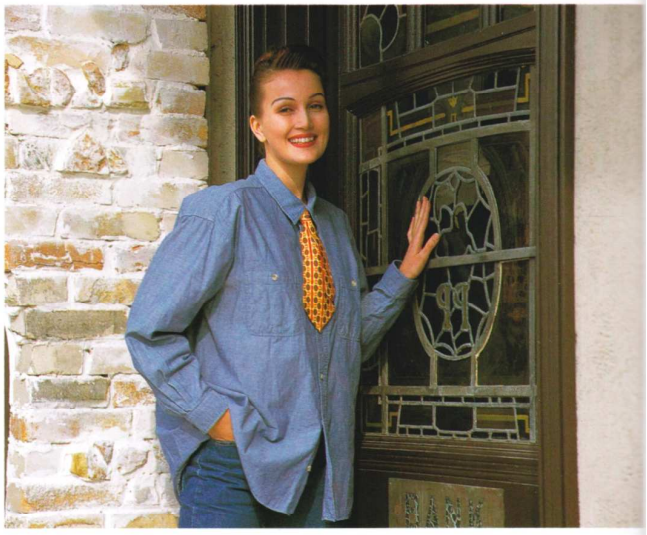
The Macro M140mm lens is a Gauss-type lens. Through the adoption of a floating mechanism and maximum correction of various aberrations, clear high resolving power has been enabled from the center of the picture to its periphery. Naturally, shooting from a close distance up to infinity is possible and users can enjoy taking realistic portrayals with image ratios up to 1:1 through the use of an automatic intermediate ring.

Macro M140mm f/4.5 M/L-A

Zoom lens

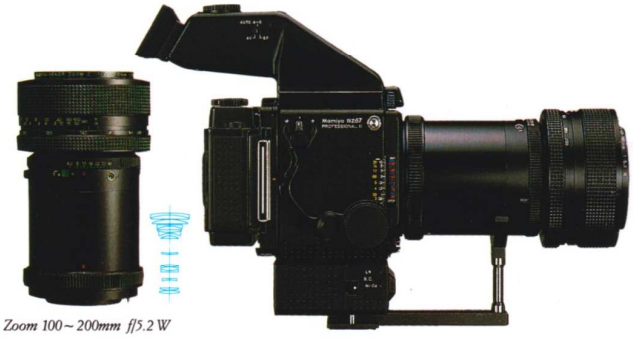
Zoom Z100–200mm f/5.2 W

Zoom 100 ~ 200mm f/5.2 W (100mm)



Zoom 100 ~ 200mm f/5.2 W (200mm)

The 100–200mm zoom lens is the first zoom lens for a 6 × 7-format camera. It is always possible to achieve optimum framing from a distance of infinity to close range, even when there are constraints on the distance between subjects. Naturally, portrait shooting is possible and this lens is suitable for various kinds of photography. Moreover, as optical performance approaches the level of a single focus lens, excellent portrayal capability can be achieved.



Zoom 100 ~ 200mm f/5.2 W

Soft lens
M180mm f/4D/L

SOFT M180mm f/4D/L + No.3 Grid

SOFT M180mm f/4D/L + No.2 Grid

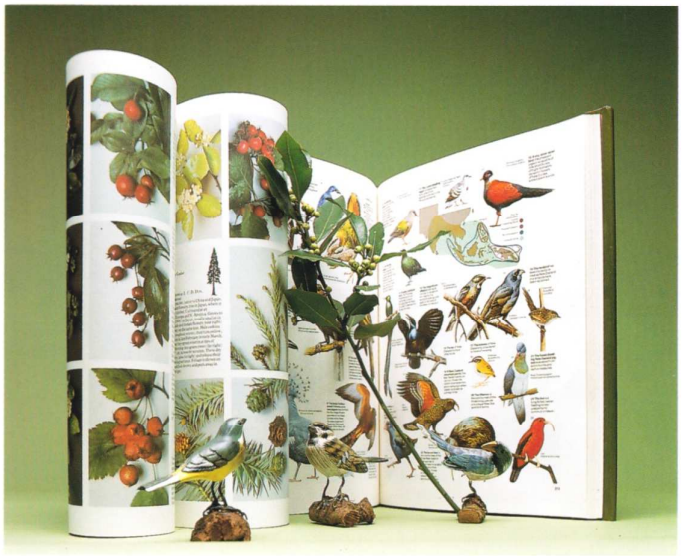
The M180mm Variable Soft Focus (VSF) lens presents the most desirable focal length for the portrait photographer. It is supplied with three different diffusion discs which are inserted in the lens barrel. The overall level of softness (or sharpness) is controlled by the diaphragm opening, choice of disc, and whether or not a disc is used at all. It can produce images of a certain ethercal beauty which cannot be obtained by any other means, hides blemishes and saves retouching costs. When stopped down to f/8 or smaller apertures, it produces sharp images like a normal lens.

M180mm f/4D/L Variable Soft Focus

Shift lens
Z75mm f/4.5 W

Shift 75mm f/4.5 W (shifted)

Shift 75mm f/4.5 W (normal)



Shift 75mm f/4.5 W (shifted)

The Shift 75mm lens provides versatile perspective control to the photographer to correct converging parallel elements within the image, or, conversely, to exaggerate perspective shifts to achieve special effects. It offers a maximum 20mm shift in either vertical or horizontal orientation, 17mm at angular orientation, and can be rotated through 360 degrees in 10-degree click stops.

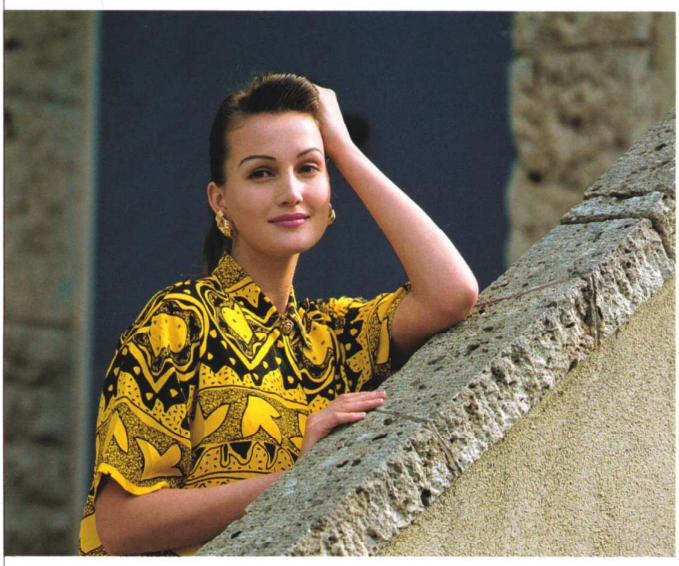
Shift 75mm f/4.5 W

APO lenses

APO 210mm f/4.5 APO 250mm f/4.5 APO 350mm f/5.6 APO 500mm f/6

The most advanced optical technology was applied to this APO-Sekor series of professional telephoto lenses. The design incorporates elements made from ultra—low dispersion glass, a material which enables the lens designer to practically eliminate color aberrations, spherical aberrations and other types of optical distortion. These lenses provide high levels of detail, free from flare and ghost images, and produce images of total color fidelity. These lenses are just one more example of Mamiya's commitment to provide the professional with the very best photographic system, the RZ 67 Professional II.

APO 350mm f/5.6



APO 500mm f/6

Mamiya apochromatic lenses employ ultra low anomalous dispersion glass for internal lens elements to eliminate the chromatic aberrations that affect images transmitted by standard telephoto optics through conventional lens design. This correction extends to the infrared spectrum.

*For detailed information, please write or call for our APO lens catalog.

APO 210mm f/4.5 *APO 250mm f/4.5* *APO 350mm f/5.6* *APO 500mm f/6*

What is Chromatic Aberration?

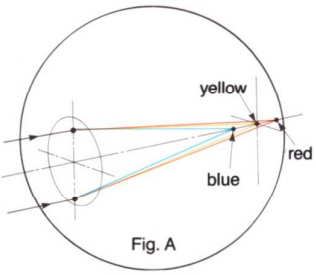


Fig. A

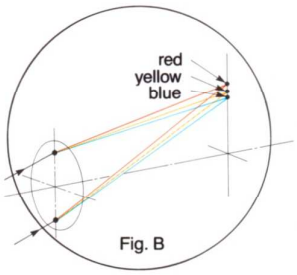
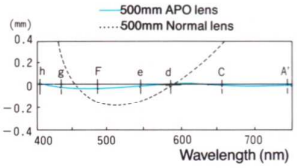


Fig. B

Chromatic aberration is simply the lack of ability of lenses to focus all colors of light on the same image plane and produce images of the same size for all colors. Standard optical glass disperses different colors of light to different degrees, just like a prism producing a spectrum, and this dispersion creates fringes of color along the edges of subjects in the image because images formed by the different colors of light are not projected to the same size. This is called lateral chromatic aberration.

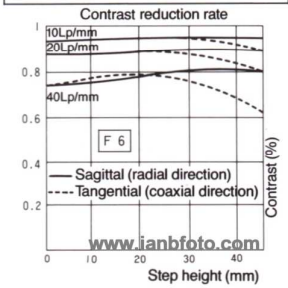
Ultra—low dispersion glass practically eliminates this fringing by making images from all colors of light the same size. This is shown above in figure B. A second type of chromatic aberration occurs on the lens axis, and is caused by optical distortion as the light passes through the lens. This is referred to as axial chromatic aberration. Mamiya Apochromatic lenses are totally corrected for all colors of light, and do not produce this unwelcome effect.

Chromatic Aberration Characteristic Curves



A chromatic aberration characteristic curve indicates the extent to which such distortion has been corrected. The X-axis represents aberration from the focal plane; the Y-axis represents wavelength and color. The closer the curve approaches 0, the more complete the correction. On this Y-axis, F, e, d and C denote blue, green, yellow and red, and A' denote near-infrared. The close convergence to 0 indicates the excellent correction properties of the APO-Lens 500mm f/6.

MTF Characteristic Curves



The modulation transfer function (MTF) characteristic, the rate of contrast reduction, indicates the fidelity of image reproduction at the film plane. The chart indicates resolution capability, and the differently pitched patterns illustrate how each is reproduced at 1mm intervals across the film plane. Value 1 on the left axis indicates 100% fidelity, with reproduction quality deteriorating as values drop. In practical use, values from 0.8 to 0.6 are acceptable. The Y-axis represents the step height or distance from image center to periphery. A value flattening and approaching 1 indicates precise image reproduction from center to periphery at the film plane.

Shift/Tilt Adapter NI 701

for Close-up Photography

Macro M140mm f/4.5 M/L-A Tilt adjustment

Normal

Shift/Tilt movements to capture a broader range of expression that give professional photography a more delicate touch.
The shift (rise and fall) range of 10mm controls perspective; the 12 degrees of tilt adjustment (setting indicated on scale) enhances depth of field control. The shift and tilt adjustments can be used both separately and in combination. Full single lens reflex capability is maintained, making focus, composition control and all other photographic functions as easy as ever. TTL metering is also possible with the AE Finder in place. Use of the following lenses is recommended: 110mm, Macro 140mm, 150mm, 180mm, 210mm APO.
When using the 6 × 7 Roll Film Holder, some combinations of shift and tilt adjustments, aperture and lens focal length can cause vignetting or a fall-off of marginal illumination. To prevent this, use the narrowest possible aperture setting.

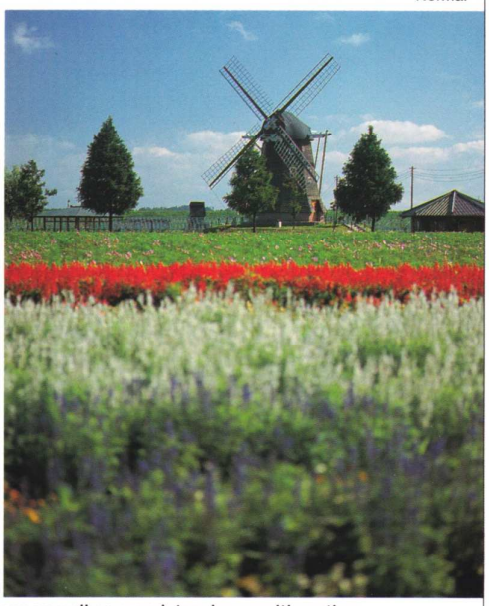
Shift/Tilt Adapter

SB Lenses for Shift/Tilt Adapter

M75mm f/4.5L SB
M180mm f/4.5L SB

M180mm f/4.5 L SB Shift/Tilt adjustment

Normal



SB (Short Barrel) Lenses are designed for use with the Shift/Tilt Adapter, but are not limited to such use. The SB lenses allow continuous focusing from infinity to close-up when attached to the Shift/Tilt Adapter. The SB lenses may also be used on the Mamiya RZ camera without the Shift / Tilt Adapter and with the addition of the 27.2mm Auto Spacer, will focus continuously from close-up to infinity. Both the 75mm and the 180mm SB lenses are state-of-the-art designs capable of rendering exceptional resolution and contrast. Both use Mamiya's own formulation of high density/low dispersion glass as well as proprietary lens multi coating.
(The 75mm SB lens does not have a built-in 75mm lens shift function.)

Specifications	M75mm f/4.5L SB	M180mm f/4.5L SB
Lens construction	11 elements in 9 groups	4 elements in 3 groups
Field angle	62°	28°
Aperture mechanism	Automatic	Automatic
Minimum aperture	32	45
Equivalent focal length for 35mm	36mm	87mm
Minimum shooting distance	576mm (stand alone) 416mm (with spacer attached)	2,101mm (stand alone) 1,099mm (with spacer attached)
Magnification ratio	0.24 times (stand alone) 0.6 times (with spacer attached)	0.1 times (stand alone) 0.26 times (with spacer attached)
Shooting range	231 × 286mm (stand alone) 93 × 115mm (with spacer attached)	540 × 671mm (stand alone) 217 × 270mm (with spacer attached)
Filter diameter	105mm	77mm
Hood (attached to lens)	—	Screw-in
Dimensions (length × diameter)	124.5 × 108mm	91.8 × 97.2mm
Weight	1,295g	808g

M75mm f/4.5 L SB *M180mm f/4.5 L SB* *Spacer for SB Lenses*

System Accessories

Focusing Hood FW702

This convenient waist-level focusing hood pops open with a single touch to provide bright screen viewing of the entire frame; raising the center magnifier makes fine focusing quick and easy, while also creating a completely light-tight hood.
With the 110mm standard lens, the finder provides a 1:1.28 image, increased to 1:2.9 with the magnifier. The standard magnifier lens features diopter −1.3 correction, five additional diopter correction lenses are available in steps from +1 to −3. Weight: 150g

Focusing Screen

Type A Matte
A matte screen with Fresnel lens for general purpose photography.
Type A3 Matte
A matte screen with Fresnel lens for general purpose use, incorporating special corner masks to ensure full viewfinder masking in the vertical format.
Type A4 Checker
A matte screen with Fresnel lens and sectional grid markings, suitable for close-up, copy and architectural applications.
Type B Rangefinder Spot
A matte screen with Fresnel lens and split-image center focusing aid, suitable for general photography when rapid, accurate focusing is required. Focusing is also possible in surrounding matte area.
Type C Microprism
A matte screen with Fresnel lens and microprism center focusing aid, suitable for general photography and other applications. Focusing is also possible in surrounding matte area.
Type D Cross-hair
A matte screen with transparent center set with cross hair marker, suitable for high-magnification, close-up or telephoto special applications with parallax focusing.
Type E Rangefinder Spot/Microprism
A matte screen with Fresnel lens and horizontal split-image center focusing aid surrounded by microprism collar. Suitable for general applications where horizontal/vertical elements can be accurately focused via the split-image, or general area focusing via the microprism. Focusing is also possible in surrounding matte area.

AE Prism Finder FE701

This aperture-priority AE finder offers both spot and averaged metering choices, as well as its own special auto-selection function that switches between spot and averaged automatically to suit the shooting conditions.
Type: correct-image prism viewfinder
Magnification: 0.81x with 110mm lens (1.8x loupe)
Correction: −0.8 diopter (standard) with correction lens thread
Metering Type: TTL with averaged, spot or auto averaged/spot selection
Metering Range: EV1–EV18.5 (f/2.8 at 4″ to f/32 at 1/400″) with 110mm f/2.8W lens
Shutter Speeds: automated 8–1/400 sec. (in 1/6 EV steps)
manual 8–1/400 sec. (in 1/2 EV steps)
Film Sensitivity: ISO 25–6400 (in 1/3 steps)
Finder Indicators: backlit LED indicators for shutter speeds (1–1/400 sec.; LT mechanical shutter operation indicated in seconds by dual LEDs; exposure range limits indicated by blinking or LT LEDs; metering choice indicated by A/S LEDs; manual exposure indicators light red/orange/green
Exposure Compensation: ±3 EV (in 1/3 steps)
AE Lock: function-selectable
Power: operates on camera power (with camera shutter dial set to AEF position)
Weight: 940g

Winder RZ Model 2

An extremely important accessary for almost all professional applications, the Winder RZ frees the photographer from the need to manually activate the film advance/shutter cocking mechanism. This lets the photographer concentrate fully on the subject, while the motorized winder takes care of film, shutter and mirror settings. Single-frame or sequential film advance (1.5 sec/per frame); the Winder RZ Model 2 is powered by six AA type alkaline cells (500–600 consecutive shots are possible), or six Ni-Cd batteries (300–360 consecutive shots are possible). An optional 9V AC adapter is available. Dimensions: 100(w) × 43(h) × 95(d)mm, Weight: 550g (without batteries)

Mamiya Quick-Shoe AQ701

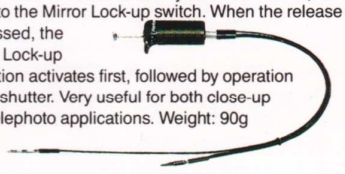
The shoe that makes tripod-mounted camera changes quick and easy. Slip on a camera and it instantly locks in place on the shoe automatically. A double-action release mechanism allows quick operation while protecting against automatic release. Weight: 225g

L-Grip Holder RZ

A contoured left-hand grip that provides excellent balance for both hand-held shooting and for carrying. The grip is equipped with a locking shutter release (electronically linked to the camera's own release) and a cold-shoe for accessories. Weight: 390g

Mirror Lock-up Cable Release

The perfect tool to prevent even the slightest camera shake during slow-shutter-speed exposures; one cable connects to the camera body's shutter release, the other to the Mirror Lock-up switch. When the release is pressed, the Mirror Lock-up operation activates first, followed by operation of the shutter. Very useful for both close-up and telephoto applications. Weight: 90g



Magnifier (for Prism Finder)

Attached to the prism finder, it assures enhanced precision focusing by magnifying the central portion of the screen. After focusing, it can be raised to confirm overall composition. Built-in −6 to +4 diopter correction. Weight: 70g

Film Holders




	120 Roll film Holder HA703	220 Roll Film Holder HB702	6 × 4.5 120 Roll Film Holder HA 704	Polaroid Land Pack Film Holder HP 702
Film Type	120 Roll Film	220 Roll Film	120 Roll Film	Polaroid Land Pack Film (100&660 Series)
Actual Film Image Size	56 × 69.5mm	56 × 69.5mm	56 × 41.5mm	69.5 × 69.5mm
Number of Exposures	10 exposures	20 exposures	15 exposures	8 exposures
Film Advance System	The film is advanced with a single 114° stroke of the Cocking Lever, and can also be advanced with the Film Advance knob of the Film Holder.			Peel Apart System
Additional Features	Built-in double exposure prevention, multiple exposure provision, automatic film wind-stop release, Built-in Film Speed Dial. Exposure Counter with automatic return, Film-Unadvanced indicator, automatic Dark Slide lock and release Memo Clip, built-in Dark Slide Slot.			Built-in Film Speed Dial
Weight	530g	530g	530g	330g

Tele-Converter 1.4 × RZ

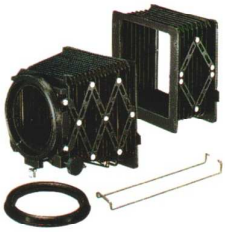
This teleconverter is optically designed to provide the best possible results in use with the superior Z series lenses; it provides an effective focal length extention of 1.4x, and can be recommended for the following Z series lenses; 90mm, 110mm, 140mm, 150mm, 180mm. Dimensions (L × W): 37 × 97.2mm
Weight: 430g

Gelatine Filter Holder Model 2

A Special holder for 3-inch (7.5-cm) gelatine filters; attaches to 50, 65, 90, 110, 140, 150, 180, 250, and 350mm lenses. This holder is indispensable for accurate correction of color (under differing types of light, for example). The holder allows insertion of multiple filters. Weight: 45g

Bellows Lens Hood G-2

Attaches to the front accessory thread of Z series (90mm–350mm) lenses; provides optimum shading of the lens to prevent all stray light. Rack & pinion adjustment allows selection of optimal setting by actual preview; width is easily adjusted; incorporates gelatine filter holder. Maximum and minimum extension of bellows: 110mm and 30mm Weight: 290g



Bellows Lens Hood G-3

Utilizing side struts, instead of base rails, this Bellows Lens Hood G-3 provides highly efficient protection against extraneous light and it has inserting slots for 3 inch (7.5cm) square filter and 12cm square size vignetter. Vignetter can adjust up and down within 14mm. Gelatin filter mount is provided. Maximum and minimum extent of bellows: 175mm and 50mm. Weight: 335g

Front Hood for G-3

Using the Front Hood for G-3 along with Bellows Lens Hood G-3 will bring higher vignetting efficiency. With the Front Lens Hood used along with Bellows Lens Hood G-3, it can be possible to use 50mm f4.5W lens or longer focal length lenses, except for 100–200mm zoom lens and 500mm APO lens. Front Hood for G-3 has an inserting slot for 12cm square size vignetter. Maximum and minimum extent of bellows: 105mm and 25mm Weight: 145g

Auto Extension Tube RZ

This series of extension tubes, for close-up and macrophotography, provides fully automatic shutter operation. The two automatic tubes can be used individually or in combination. No 1=45mm extension; No. 2= 82mm; No. 1 + 2=127mm. Since the camera body bellows features an extension of 46mm, using the tubes provides a total maximum extension of 173mm. Weight: No. 1…330g, No. 2…410g

Macro M140mm f/4.5M/L-A *+No.1* *+No.2*

Close-up Table

Lens	Extension Tube	Magnification	Subject Distance (cm)	Area covered (cm)
M65mm F4L-A	No. 1	0.68 ~ 1.38	8.7 ~ 3.9	(8.2 × 10.2) ~ (4.1 × 5.0)
Z90mm f/3.5W	No. 1	0.50 ~ 1.01	20.1 ~ 11.0	(11.2 × 13.9) ~ (5.5 × 6.9)
	No. 2	0.91 ~ 1.42	12.0 ~ 8.4	(6.1 × 7.6) ~ (3.9 × 4.9)
	No. 1 + No. 2	1.41 ~ 1.92	8.5 ~ 6.8	(4.0 × 4.9) ~ (2.9 × 3.6)
Z110mm f/2.8W	No. 1	0.41 ~ 0.82	31.9 ~ 18.1	(13.8 × 17.1) ~ (6.8 × 8.5)
	No. 2	0.74 ~ 1.15	19.6 ~ 14.2	(7.6 × 9.4) ~ (4.8 × 6.0)
	No. 1 + No. 2	1.15 ~ 1.56	14.3 ~ 11.7	(4.9 × 6.1) ~ (3.6 × 4.5)
Macro M140mm f/4.5M/L-A	No. 1	0.32 ~ 0.64	52.2 ~ 29.7	(17.6 × 21.9) ~ (8.7 × 10.8)
	No. 2	0.58 ~ 0.90	32.1 ~ 23.3	(9.7 × 12.0) ~ (6.2 × 7.7)
	No. 1 + No. 2	0.90 ~ 1.22	23.4 ~ 19.2	(6.3 × 7.8) ~ (4.6 × 5.7)
Z150mm f/3.5W	No. 1	0.30 ~ 0.61	59.5 ~ 34.1	(18.7 × 23.2) ~ (9.3 × 11.5)
	No. 2	0.55 ~ 0.85	36.8 ~ 26.9	(10.3 × 12.7) ~ (6.6 × 8.2)
	No. 1 + No. 2	0.85 ~ 1.15	27.1 ~ 22.3	(6.6 × 8.2) ~ (4.9 × 6.0)
Z180mm f/4.5W-N	No. 1	0.25 ~ 0.51	84.5 ~ 48.7	(22.2 × 27.6) ~ (11.0 × 13.6)
	No. 2	0.46 ~ 0.72	52.5 ~ 38.6	(12.2 × 15.1) ~ (7.8 × 9.7)
	No. 1 + No. 2	0.71 ~ 0.97	38.8 ~ 32.1	(7.9 × 9.8) ~ (5.8 × 7.2)
Z250mm f/4.5W	No. 1	0.18 ~ 0.37	160.0 ~ 93.1	(30.4 × 37.7) ~ (15.0 × 18.6)
	No. 2	0.34 ~ 0.52	100.2 ~ 74.1	(16.7 × 20.7) ~ (10.7 × 13.3)
	No. 1 + No. 2	0.52 ~ 0.71	74.5 ~ 62.0	(10.8 × 13.4) ~ (7.9 × 9.8)

Sun Shield

This useful device—called "French Flag" by cinematographers—can be attached to all "Z" series lenses, in cases where it is not possible to use the regular lens hood.
Weight: 120g

Remote Control RS401

Consists of Transmitter and camera-mounted Receiver. Choice of three infrared channels for interference free operation. 30m operating range.
Transmitter uses two AA Alklaline, Receiver one 9 Volt, batteries.
Weight: Transmitter: 130g (without batteries)
Receiver: 140g (without batteries)

Electromagnetic Cable Releases

Connect to the electronic shutter release socket of the camera. Available in two types:
Type A: Coil Cord, approx. 1m long, weight: 39g
Type B: Straight Cord, approx. 4m long, weight: 68g

External Battery Case

Cold temperatures can affect battery power. Permits camera battery to be stored conveniently inside clothing. Connects by wire to camera. Weight: 22g

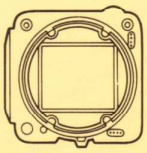
Mamiya Aluminum Trunk

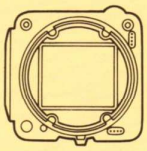
A light brown finish with alumite treated surfaces and high-strength prism cut resin corner guards for a trunk that's both good looking and tough. The interior can be freely partitioned to store cameras and lenses, and all interior surfaces are cushioned with a thin urethane layer. The top of the trunk has packets that can be used to store accessories and other small items. Available in three different sizes.

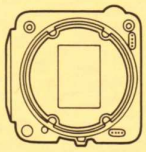
Model No.	Outside: W × D × H mm / Inside: W × D × H mm	Weight kg
KM705	460 × 344 × 160 / 440 × 325 × 100	3.7
KM706	502 × 371 × 183 / 470 × 350 × 115	4.9
KM707	615 × 371 × 183 / 580 × 350 × 115	5.7

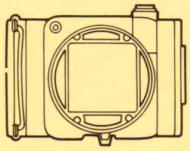
RZ67 Professional II System

Film Holder


120 Roll Film Holder HA703


220 Roll Film Holder HB702

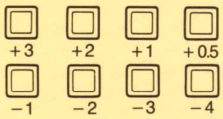

120 Roll Film Holder 6 x 4.5 HA704


Polaroid Land Pack Film Holder HP702

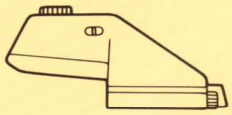
Finders

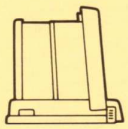

Magnifier

Connection Lenses for the Prism Finders

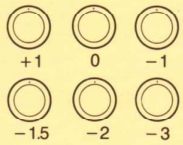


diopter


AE Prism Finder FE701


Focusing Hood FW702

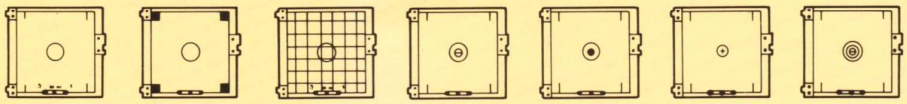
Connection Lenses for the Focusing Hood RZ



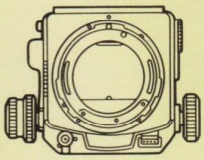
diopter

*The finder system for the RB can also be used.

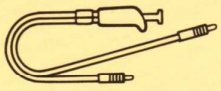
Focusing Screens

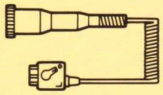


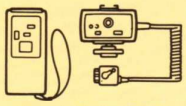
RZ67 PROFESSIONAL II


Camera Body

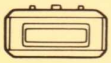
Remote Control

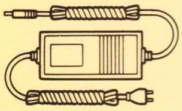

Mirror Lock-up Cable Release

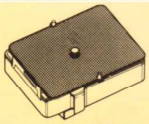

Electromagnetic Cable Releases
Type A: coil Cord approx. 1m
Type B: Straight and approx. 4mm


Remote Control RS401

Power Winder

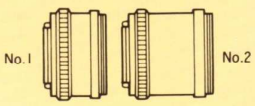

Winder RZ Model 2


AC Adaptor 9V
for Winder RZ Model 2

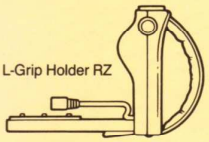

Mamiya Quick-Shoe AQ701

Close-up Attachments

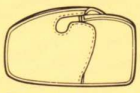
Auto Extention tubes RZ



Grip

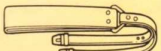

L-Grip Holder RZ

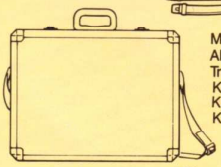
Camera Case/Strap

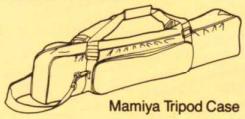

Camera Soft case RZ


Soft Leather Lens Case RZ No. 4 for 37mm lens

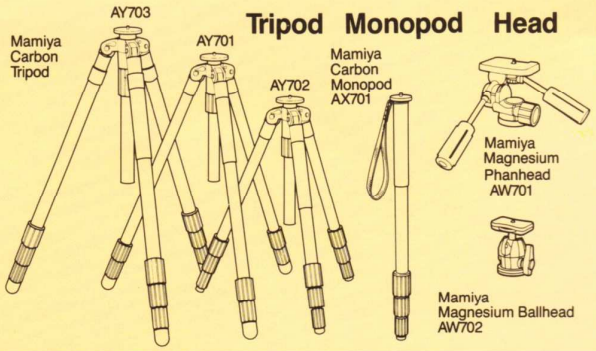

Soft Lens Case type C for 50, 90, 110, 140 and 150mm lenses
Soft Lens Case type D for 180, 210, 250 and 350mm lenses


Neck strap

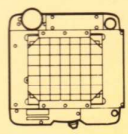

Mamiya Aluminum Trunk KM705, KM706, KM707


Mamiya Tripod Case

Tripod Monopod Head

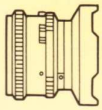


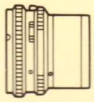
Shift/Tilt

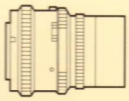

Grand Glass SX701

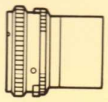
Lenses

Wide


Fisheye
37mm f/4.5W

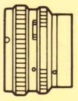

50mm f/4.5W


ULD M50mm f/4.5L

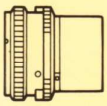

M65mm f/4L-A

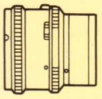
Standard

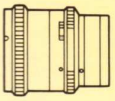

90mm f/3.5W


110mm f/2.8W

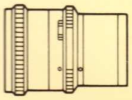
Mid-range


Macro
M140mm f/4.5M/L-A

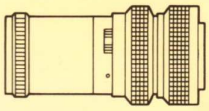

150mm f/3.5W


180mm f/4.5W-N

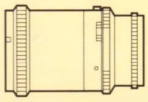
Telephoto


250mm f/4.5W

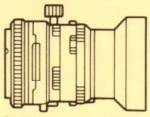
Zoom Lens


100 ~ 200mm f/5.2W

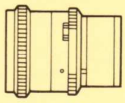
Soft Lens

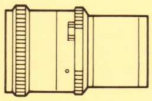

SOFT M180mm f/4 D/L

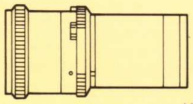
Shift Lens

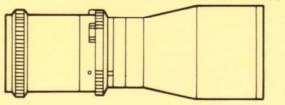

Shift 75mm f/4.5W

APO Lenses


APO
210mm f/4.5


APO
250mm f/4.5

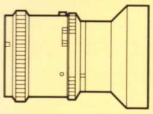

APO
350mm f/5.6

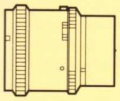

APO 500mm f/6

Tele-converter


Tele-converter
1.4 × RZ

SB Lenses for Shift/Tilt Adapter


M75mm f/4.5L SB


M180mm f/4.5L SB


Spacer for SB Lenses

*Interchangeable lenses for the RB can also be used. (When using an interchangeable lenses for the RB, contact your nearest Mamiya Service Center beforehand for lens inspection.)

Filters

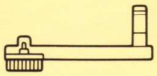

Filter (40.5mmϕ)
for 37mm Fisheye Lens
UV (SL-39), SL-1B
LB-A, LB-B

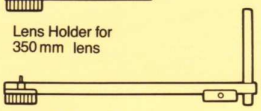

Filter (77mmϕ)
UV, SL, PL

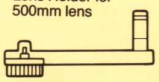

Filter (105mmϕ)
UV, SL


Gelatine Filter Holder
Model 2

Other Accessories


Lens Holder for
350 mm lens

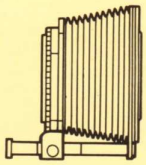

Lens Holder for
500mm lens

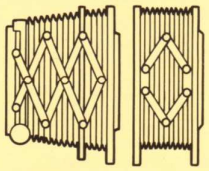

Lens Holder for 100 ~ 200mm
Zoom Lens


External Battery Case

Lens Hoods


Sun Shield


Bellows
Lens Hood
G-2


Bellows Lens Hood G-3

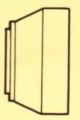
Front Hood for G-3

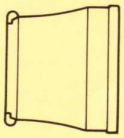

Gelatine Filter
Mount for G-3


Zoom Lens
Mounting Ring
for G-3


Lens Hood
ϕ80 No. 1
Slip-on type
for 50mm and
65mm lenses


Lens Hood
M77 No. 1
Screw-in type for
90, 110 and 140mm
lenses


Lens Hood
M77 No. 2
Screw-in type for
150, 180, 210, 250
and 350mm lenses


Lens Hood
ϕ108 No. 1
Slip-on type
for 500mm
lens


Lens Hood
ϕ80 No. 3
Slip-on type
for Zoom
100 ~ 200mm lens

*Specifications and appearance are subject to change without notice.

Mamiya RZ67 PROFESSIONAL II

50mm f/4.5 W

Printed in Japan
9ED2212
E990210(英)