

Mamiya



M E D I U M
F O R M A T
C A M E R A S



Mamiya

A history of Mamiya medium format cameras.

For over 50 years, Mamiya has been a name synonymous with excellence and innovation in professional photographic cameras and lenses. Mamiya's dedication to the professional and advanced amateur markets spans from the folding, compact original Mamiya 6 rangefinder of the 1940's to the 1994 introduction of the RZ67 PRO II, the system of choice for many of today's world famous professionals.

The Mamiya RB67 series, the world's first medium format 6x7cm single lens reflex with unique revolving back, was first introduced in 1970. Its unique built-in revolving back and bellows focusing made it an instant success that has lasted to a present day world-wide status as the "workhorse of the pros."

In 1975, Mamiya once again pioneered a world first with the Mamiya 645, a versatile and compact medium format SLR with a convenient yet large 6x4.5cm format. This further demonstrated both Mamiya's ability and singular dedication to providing innovative and rugged professional tools.

The Mamiya RZ67 system followed in 1982, using the latest technology in electro-mechanical hybrid design, and optical glass formulation and production.

Mamiya's system of innovative, ultra-high performance medium format lens designs including unique achievements in high speed, zoom, PC shift, soft focus and APO telephotos is to this very day unparalleled by any other manufacturer of medium format optics.

1989 saw the reincarnation of the Mamiya 6 rangefinder concept in a unique, modern, compact, interchangeable lens medium format rangefinder camera, that opened up new possibilities of image quality for photojournalists, fine art photographers, and photo enthusiasts who previously relied upon classic 35mm rangefinder cameras.

Mamiya's history of innovation and dedication to excellence is further shown with the 1992 introduction of the 645 PRO camera. The Mamiya 6MF (Multi-Format) camera and 645 Series 300mm f/2.8 APO lens appeared in 1993, and the RZ67 PRO II and 645 Series 500mm f/4.5 APO in 1994.

Mamiya continues to be a pioneer by continually improving and refining the finest professional photographic products with state-of-the-art advancements such as superior apochromatic lens technology and practical, ergonomic camera design and function.

*Mamiya pioneered the
6x7 SLR System Camera in
1970, the 6x4.5 in 1975
and has remained the world
leader in the medium
format camera field.*

For over fifty years, Mamiya medium format cameras and lenses have been designed and precision manufactured for the most demanding professional applications. With unique camera designs, lenses and innovations, Mamiya continues to earn its reputation as "master of the medium."

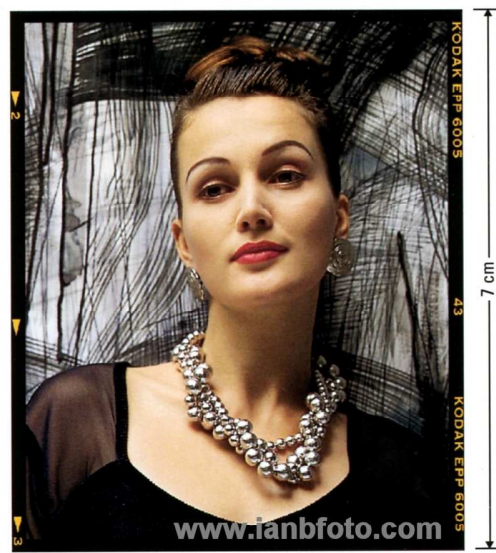
About medium format negative sizes and their effective dimensions.



4.5x6cm Negative



6x6cm Negative



6x7cm Negative



35mm Negative

Medium format is the modern choice of today's most discriminating photographers. It combines the demand for unexcelled image quality with the need for convenient and versatile camera operation.

Take a close look at the three basic Mamiya medium formats in comparison to standard 35mm format as illustrated:

6x4.5cm - An image area 2.7 times larger than 35mm. An "ideal format" allowing more compact camera design rivaling the size and convenience of most 35mm SLRs.

6x6cm - An area 3.6 times greater than 35mm and 2.7 times greater when cropped to a 6x4.5cm vertical or horizontal rectangle. A symmetrical format that offers versatility in framing and cropping after exposure.

6x7cm - An image area 4.5 times greater than 35mm, with a detailed negative large enough to view with the naked eye. The "ideal format" based upon the traditional 8x10 proportion, matching page layout and printing papers.

Mamiya

7

THE ULTIMATE 6x7 RANGEFINDER

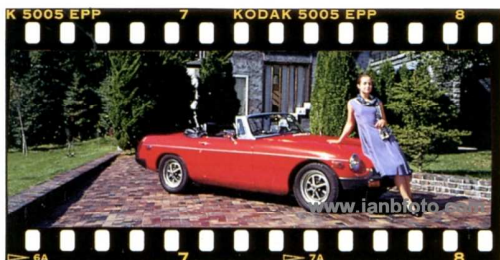
The Mamiya 7. At last, photographers have the creative freedom to express themselves with incredibly detailed ideal format 6x7cm images, using an elegant, silent, fast, versatile and lightweight rangefinder camera that sports four ultra-high performance lenses from 150mm telephoto to 43mm superwide. Creativity that also allows the use of 35mm film for stunning 24x65mm true panoramic format images.

The camera design offers fast, easy and accurate precision rangefinder focusing ideal even in low light situations. Fully coupled, with auto indexed and parallax corrected frame lines for four state-of-the-art lenses that are the pinnacle of modern optical design.



The Mamiya 7's rangefinder design also eliminates noise and vibration of typical SLR mirror movement, and coupled with Mamiya's own silent and precise electromagnetic shutter, allows for quiet and unobtrusive work in any situation. You see the subject at the moment of exposure – without missing a heartbeat. Ideal for photojournalists and all candid photography.

The Mamiya 7 also has convenient and accurate built-in aperture priority AE (with 1/6 step increments) or completely manual metering with LED readouts. In both modes, +/-2 exposure compensation in 1/3 steps is possible. The ergonomic body features a built-in handgrip, handsome gunmetal finish, and rugged rubber covering.



LENSES

	43mm f/4.5	65mm f/4	80mm f/4	150mm f/4.5
OPTICAL CONSTRUCTION	10 E / 6 G	8 E / 5 G	6 E / 4 G	6 E / 5 G
ANGLE OF VIEW	92	69	58	33
MINIMUM APERTURE	22	22	22	32
MINIMUM FOCUSING DISTANCE	100cm	100cm	100cm	180cm
EQUIVALENT 35mm FOCAL LENGTH	21mm	32mm	39mm	71mm

E = Elements G = Groups

The Mamiya 7 is an exciting, quiet, compact, versatile and lightweight rangefinder camera yielding large, detailed 6x7cm format images favored by many top pros, art directors and discriminating photographers everywhere.



Mamiya

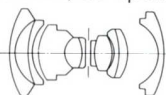
7

SYSTEM



ULTRA-WIDE ANGLE 43mm f/4.5 WITH SPECIAL FINDER

The Mamiya 43mm f/4.5 is a true wide angle design that produces unparalleled results – with a maximum of 0.04% distortion at the corners. The 43mm f/4.5 opens up a new world of distortion-free ultra-wide angle photography. Supplied with ultra-wide optical finder.

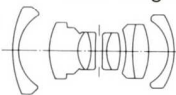


The detachable ultra-wide optical finder is used for composition. It features a built-in, adjustable diopter, rubber eyecup, and built-in spirit level.



WIDE ANGLE 65mm f/4.0

The Mamiya 65mm f/4.0 is a true wide angle design with distortion-free performance that produces results virtually indistinguishable from standard focal length lenses, yet allows the unique perspective and spatial relationships possible with a wide angle view.



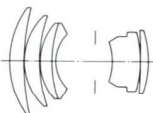
STANDARD 80mm f/4.0

The Mamiya 80mm f/4.0 is a standard lens using a symmetrical design for exceptional performance. For the fast and spontaneous shooting style associated with rangefinder camera designs, the 80mm focal length is a logical choice as a wide-normal lens.



TELEPHOTO 150mm f/4.5

The Mamiya 150mm f/4.5 is a moderate telephoto, using a unique design of six elements in five groups, along with low and ultra-low dispersion glass to create apochromatic performance matched to the entire group of Mamiya 7 lenses.



"Dark Slide" Curtain for Changing Lenses



The built-in curtain, activated by a control on the bottom of the camera, permits lens change without fogging film. It locks if the lens is not

securely attached to the body.

Automatic and Manual Control Metering



The AE system is able to provide excellent exposures for virtually any lighting situation, even with high contrast subjects. An AE lock is provided to give the photographer final exposure control.

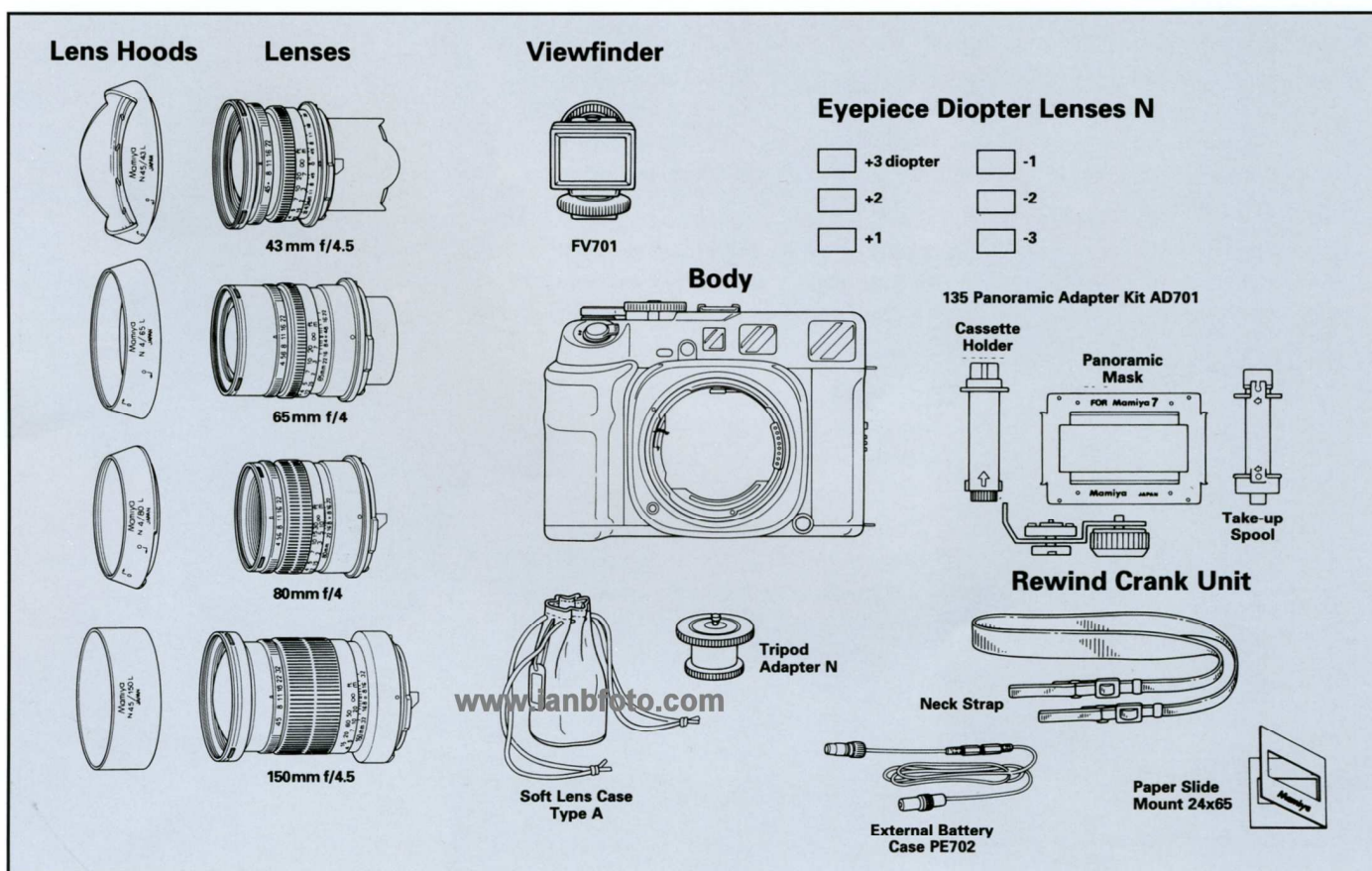
All shutter speeds can also be set manually on the camera's

shutter speed dial. In this mode the exposure meter can still be utilized by observing the LED readouts along the bottom edge of the viewfinder. Exposure compensation from +2 to -2 EV gives additional manual control to adjust for filters or to obtain certain desired effects.

35mm Panoramic Adapter Kit



The Mamiya 7 is designed to take 35mm film cassettes when the optional panoramic kit is inserted. It yields spectacular 24x65mm images, an aspect ratio of 1:2.7. The optional 35mm panoramic kit consists of a panoramic film mask, a cassette holder, film take-up spool and rewind crank set. It is easy to attach and remove.



Specifications

Type: 6x7 format rangefinder with interchangeable lenses.

Format: 6x7cm (56 x 69.5mm w/120/220 roll film).

Multi-formats: Optional interchangeable panoramic insert mask (24x65mm w/35mm roll film).

Shutter: Electromagnetic full flash synch lens shutter, B, 4 sec.-1/500 sec., X synchronization at all speeds, hot shoe and synch-socket.

Metering Options:

Built-in metering with 1/3 step +/- Compensation Dial, Aperture Priority AE or manual metering modes.

View-finder: Coupled rangefinder for all lenses with auto indexed bright-line frames (65mm, 80mm, 150mm), auto parallax compensation, LED readout shutter speed indicator, separate ultra-wide optical finder supplied with 43mm lens.

Power: One 6V (4SR44, 4LR44 or 2CR1/3 lithium) battery

Dimensions/Weight:
159x112x123mm (6.2 x 4.4 x 4.8")
1210g (2.6 lbs.) with 80mm lens

Features and specifications are subject to change.

Mamiya

RZ67

The Mamiya RZ67 PRO II has become the industry standard used by many of today's **PRO II** most renowned photographers and artists because of its large 6x7cm ideal format negative size, over four and a half times larger than 35mm. Also notable are the RZ's ultra-high performance lenses, and multi-format versatility. Distinctive features include convenient revolving back, bellows focusing, big and bright view-finder, and extensive system of accessories.

The Mamiya RZ67 PRO II's multi-format capability offers an impressive choice of interchangeable film magazines including 6x4.5cm, 6x6cm and 6x7cm, economical 6x7cm pre-loadable film inserts, plus Polaroid Instant Proofing back.

The Mamiya RZ67 PRO II is a versatile modular system camera for the most demanding commercial photographic applications including advertising illustration, fashion, beauty, industrial, portrait and architecture. Mamiya RZ Series lenses have ultra-precision timed, fully synched, electromagnetic leaf shutters, with specialty optics including Shift, variable flat field Macro, Zoom, Fisheye, and a spectacular series of telephoto APO lenses.



Photo by John Woodward



Photo by Jim Zuckerman



Photo by Douglas Kirkland

LENSES	FISHEYE Z 37mm f/4.5	Z 50mm f/4.5W	M 65mm f/4L-A	M 75mm f/3.5L	SHIFT Z 75mm f/4.5mm	Z 90mm f/3.5W	Z 110mm f/2.8W	MACRO M 140mm f/4.5A/L-A
OPTICAL CONSTRUCTION	9 E / 6 G	11 E / 9 G	9 E / 8 G	9 E / 7 G	11 E / 9 G	6 E / 6 G	6 E / 5 G	6 E / 4 G
ANGLE OF VIEW	180	84	68	61	62	53	44	35
MINIMUM APERTURE	32	32	32	32	32	32	32	32
MINIMUM FOCUSING DISTANCE	26cm	28cm	35cm	38cm	42cm	43cm	53cm	76cm
EQUIVALENT 35mm FOCAL LENGTH	18mm	24mm	32mm	36mm	36mm	44mm	53mm	68mm

E = Elements G = Groups

The RZ67 PRO II has become the industry standard used by many of today's most renowned photographers and artists because of its large 6x7cm ideal format negative size, ultra-high performance lenses, and multi-format versatility. Distinctive features include convenient revolving back, bellows focusing, big and bright view-finder, and an extensive system of accessories.



Photo by Joe Baraban with Mamiya RZ67 and 50mm f/4.5 lens.

Z 150mm f/3.5W	Z 180mm f/4.5W-N	Z 250mm f/4.5W	Z 360mm f/6W	Z 500mm f/8W	ZOOM Z 100-200mm f/5.2V	APO 210mm f/4.5	APO 250mm f/4.5	APO 350mm f/5.6V	APO 500mm f/6
6 E / 4 G	4 E / 3 G	5 E / 4 G	6 E / 5 G	6 E / 6 G	14 E / 12 G	7 E / 5 G	7 E / 5 G	7 E / 6 G	7 E / 7 G
33	28	20	14	10	48-25	24	21	15	10
32	45	45	45	32	45	45	45	45	45
82cm	110cm	185cm	369cm	660cm	55-122cm	143cm	186cm	342cm	649cm
73mm	87mm	121mm	175mm	242mm	48-97mm	102mm	119mm	167mm	238mm

Mamiya

RZ67 PRO II SYSTEM



The Mamiya RZ67 PRO II system includes interchangeable standard waist level, eye level prism, and advanced RZ II AE Prism Finder with Mamiya's exclusive A/S Matrix Metering System for spot, average or matrix measurement in manual or aperture priority automatic mode. Its electronically timed 1/2 step shutter speed accuracy in manual and 1/6 step accuracy in auto mode yields perfect exposures even with synched flash for outdoor fill-in.

The Mamiya RZ PRO II combines rugged hybrid mechanical design with the most desirable electronic features of sophisticated TTL A/S Matrix Metering, precision timed electromagnetic leaf shutter operation, consistent from lens to lens, and auto wind and remote control options. A 1/400 second mechanical override is provided in case of battery failure.

In addition to a wide assortment of interchangeable film magazines, inserts and backs, other system accessories include motorized film and shutter advance with Winder II, interchangeable focusing screens, vari-diopter eyepiece magnifier, extension tubes, remote control. Also, Mamiya RB67 series lenses, finders, and many accessories are fully compatible with the RZ PRO II.

Revolving Camera Back



The RZ PRO II unique revolving back feature permits instant change from vertical to horizontal composition with the flip of the wrist. Automatic view-finder masking frames the big, bright image for total creative control and vision.

Bellows Focusing



The RZ PRO II built-in bellows permits continuous focusing from infinity to close range with all focal length lenses, without the need for added accessories. Optional extension tubes may be added for macro focusing to 1:1 magnification or greater.

1/2 Step Shutter



The RZ PRO II offers precision electronically timed, fully synched leaf shutter speeds from 1/400 Sec. to 8 seconds, plus B and T. Manual shutter speeds between 1/250 Sec. and 4 seconds may also be set in 1/2 steps, ideal for critical control with fill flash or bracketing. Auto speed setting in 1/6 steps is possible with the RZ PRO II AE Prism Finder.

Microfine Focusing



Unique, easy grip, dual geared, rack and pinion focusing knobs offers choice of fine, or micro-fine bellows focusing for the utmost precision, far beyond the ability of ordinary helicoid focusing designs. Permits exacting focus even with very short or very long focal length lenses. Focus lock lever prevents accidental movement of focus knob.

Lenses

Fisheye 37mm f/4.5W

50mm f/4.5

M65mm f/4

M75mm f/3.5

90mm f/3.5

110mm f/2.8

Macro M140mm f/4.5M/L-A

150mm f/3.5

180mm f/4.5W-N

250mm f/4.5

360mm f/6

500mm f/8

Zoom 100 - 200mm f/5.2

Tele-converter 1.4 x RZ

Shift Lens

Shift Lens

APO Lenses

APO 210mm f/4.5

APO 250mm f/4.5

APO 350mm f/5.6

APO 500mm f/6

Camera Body

Camera Body

Power Winder

Winder RZ Model 2

AC Adapter 9V for Winder RZ Model 2

Viewfinders

AE Prism Finder FE701

Magnifier

Focusing Hood FW702

Film Magazines

120 Roll Film Holder HA703

120 Roll Film Holder 6x4.5 RZ

220 Roll Film Holder HB702

Polaroid Land Pack Film Holder HP702

120/220 Roll Film Holder 6x6 RZ

G Adapter RZ

Lens Hoods

Bellows Lens Hood G-2

Bellows Lens Hood G-3

Front Hood G-3

Close-up Attachments

No. 1 Auto Extension

No. 2 Tubes RZ

Grip

L-Grip Holder RZ

Focusing Screens

Type A Matte

Type A3 Matte

Type A4 Checker

Type B Rangefinder Spot

Type C Microprism

Type D Cross Hair

Type E Range finder Spot/Microprism

Specifications

Type: 6x7 format lens shutter SLR with bellows focusing and revolving back.

Format: 6x7cm (56x69.5mm w/ 120/220 roll film)

Multi-formats: Interchangeable 6x7cm 120 and 220, 6x6cm 120/220, 6x4.5cm 120, Polaroid Proofing Back. LEAF Digital Back.

Shutter: Electromagnetic full flash synch lens shutter in with 1/2 step increments. 8 Sec. - 1/400 Sec., B, T. Mirror-up operation. 1/400 Sec. mechanical emergency override

Metering Options: AE Prism Finder w/ A/S Matrix Metering and +/- Compensation Dial. Aperture Priority AE or manual TTL metering modes with choice of spot, average or matrix pattern.

Multi-Exposure: Single setting lever.

View-finder: Waist level is standard.

Motorized Advance for film/shutter w/ Power Winder II.

Power: One 6V silver or alkaline 4LR44/4SR44

Dimensions/Weight: 108x133.4x212.5mm (4.25x5.2x8.4")/ 2490g (5.5 lbs.) w/ 110mm lens and 120 magazine

Features and specifications are subject to change.

Condensed System Chart

Mamiya

RB67

PRO SD

For over two decades, the world-wide popularity of the Mamiya RB Series has earned its reputation as the "workhorse of the pros." The RB67 PRO SD is the successor to the legendary RB67, Mamiya's original revolving back 6x7cm ideal format SLR introduced in 1970. Today the RB67 PRO SD offers the same fully mechanical reliability and simple operation of its predecessors, and complete system compatibility with all previous RB lenses, backs, finders and accessories.

The all mechanical Mamiya RB67 PRO SD is the top choice of commercial and portrait studios in the world today because of its many unique

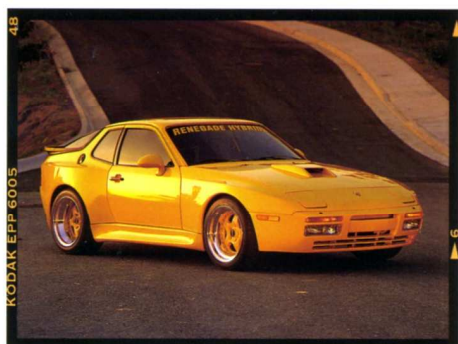


Photo by David Fetherston

features including 6x7cm format negative size, over four and a half times greater than 35mm, ideal for retouching and reproduction. Its revolving back allows quick change horizontal or vertical composition, without turning the entire camera. Fast and precise bellows focusing with locking feature permits fast and easy close-ups without special attachments.



Photo by Bruce and Sue Hudson



Photo by Dana Fineman

LENSES

	FISHEYE C 37mm f/4.5	C 50mm f/4.5	KL 65mm f/4L	KL 75mm f/3.5L	SHIFT L 75mm f/4.5S/L	KL 90mm f/3.5L	KL 127mm f/3.5L	MACRO KL C 140mm f/4.5M/L-A	KL 150mm f/3.5L
OPTICAL CONSTRUCTION	9 E / 6 G	11 E / 8 G	9 E / 8 G	9 E / 7 G	11 E / 9 G	8 E / 7 G	6 E / 4 G	6 E / 4 G	6 E / 4 G
ANGLE OF VIEW	180	81	68	61	61	52	39	35	33
MINIMUM APERTURE	32	32	32	32	32	32	32	32	32
MINIMUM FOCUSING DISTANCE	26cm	28cm	35cm	38cm	42cm	45cm	64cm	76cm	82cm
EQUIVALENT 35mm FOCAL LENGTH	18mm	25mm	32mm	37mm	37mm	44mm	62mm	68mm	74mm

E = Elements G = Groups

For over two decades, the world-wide popularity of the all mechanical Mamiya RB Series has earned its reputation as the rugged and reliable “workhorse of the pros.”



Photo by William S. McIntosh with Mamiya RB67 and 90mm f/3.5 lens.

SOFT FOCUS SF C 150mm f/4	KL C 180mm f/4.5L-A	APO KL C 210mm f/4.5	KL C 250mm f/4.5L-A	APO KL 250mm f/4.5	APO KL 350mm f/5.6	KL 360mm f/6L	C 500mm f/8	APO L 500mm f/6	ZOOM C 100-200 mm f/5.2W
5 E / 3 G	4 E / 3 G	7 E / 5 G	5 E / 4 G	7 E / 5 G	7 E / 6 G	6 E / 5 G	6 E / 6 G	7 E / 7 G	14 E / 12 G
33	28	24	20	21	15	14	10	10	47-26
32	45	45	45	45	45	45	32	45	45
86cm	110cm	143cm	185cm	186cm	342cm	365cm	660cm	649cm	55-122cm
74mm	87mm	102mm	118mm	119mm	167mm	175mm	238mm	238mm	48-97mm

Mamiya

RB67

PRO SD SYSTEM



Specialized Mamiya lens designs including the RB 150mm f/4 Variable Soft Focus and 100-200mm f/5.2 Zoom make the reliable, all mechanical Mamiya RB67 PRO SD system ideal for heavy commercial and studio use, as well as portraiture, glamour and wedding photography.

The RB67 PRO SD features a larger lens mount diameter to accommodate new 75mm PC shift and 500mm APO lenses. New design RB K/L Series ultra-high performance lenses are optically identical to the RZ Series lenses. In addition, the new RB67 PRO SD is fully compatible with all earlier RB Series lenses, finders and accessories. The optional PD Metering Prism Finder has TTL spot or average metering patterns.

The Mamiya RB67 PRO SD's multi-format capability offers an impressive choice of interchangeable film magazines from 6x4.5cm to 6x7cm, economical 6x7cm pre-loadable film inserts, Polaroid Instant Proofing back, 70mm roll film magazine, plus motorized 6x7cm and 6x8cm 120/220 film magazines. Other system accessories include interchangeable focusing screens, vari-diopter eyepiece magnifier, and extension tubes, making the RB67 PRO SD excellent for commercial copy work as well.

Multi-Format Capability



The Mamiya RB67 PRO SD system offers many interchangeable multi-format options including 6x7cm and 6x4.5cm ideal format, 6x7cm and 6x8cm motorized backs,

6x7cm 70mm film magazine and Polaroid Instant Proofing back.

Bellows Focusing












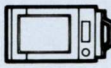
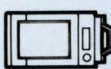
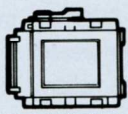
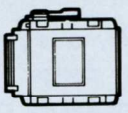
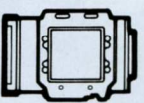
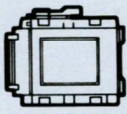
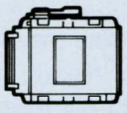

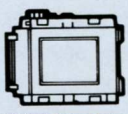
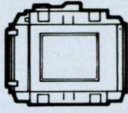
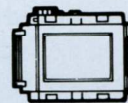












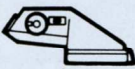

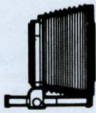
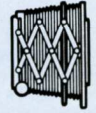

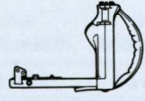









The RB67 PRO SD built-in bellows permits continuous focusing from infinity to close range with all focal length lenses, without the need for added accessories. Optional extension tubes may be added for macro focusing to 1:1 magnification or greater.

Revolving Camera Back



The RB67 PRO SD unique revolving back feature permits instant change from vertical to horizontal composition with the flip of the wrist. Fast and easy operation makes it ideal for studio, portrait and wedding use.

Lenses			Camera Body	Film Magazines		
Wide-angle Lenses  C 50mm f/4.5  KL 65mm f/4L  KL 75mm f/3.5L	Standard Lenses  KL 90mm f/3.5L  KL 127mm f/3.5L Zoom Lens  Zoom C 100-200mm f/5.2W	Telephoto Lenses  KL 150mm f/3.5L  KL 180mm f/4.5L-A  KL 250mm f/4.5L-A  KL 360mm f/6L	 RB67 Professional SD camera body  Double Cut Film Holder A  Double Cut Film Holder J	 120 Roll Film Holder for Pro-SD  120 Roll Film Holder 6x4.5 (with Special Finder Mask)  Polaroid Land Pack Film Holder for Pro-SD	 220 Roll Film Holder for Pro-SD  220mm Roll Film Holder 6x4.5 (with Special Finder Mask)  Revolving Adapter	 120/220 Power Drive Roll Film Holder 6x7  70mm Roll Film Holder (with Rubber Ball and Cassette)  120/220 Power Drive Roll Film Holder 6x7
Special Application Lenses  Fish-Eye C 37mm f/4.5  Macro C 140mm f/4.5  Soft-focus SF C 150mm f/4  Shift L 75mm f/4.5S/L	APO Lenses  KL 210mm f/4.5 APO/L  KL 250mm f/4.5 APO/L  KL 350mm f/5.6 APO/L  L 500mm f/6 APO/L	Close-up Attachments  Auto Extension Tubes 45mm  82mm	Viewfinders  Waist-Level Finder  Prism Finder Model 2  PD Prism Finder  Magnifier (for Prism Finders)	Specifications Type: 6x7 format lens shutter SLR with bellows focusing and revolving back. Format: 6x7cm (56x69.5mm w/ 120/220 roll film) Multi-formats: Interchangeable 6x7cm 120 and 220, 6x4.5cm 120 and 220, 6x7cm and 6x8cm motorized film backs, Polaroid Proofing Back. Shutter: All mechanical full flash synch lens shutter 1 sec. - 1/400 Sec., B, T. Mirror-up operation. Metering Options: PD Prism Finder for TTL manual metering with choice of spot or average pattern. Multi-Exposure: single setting lever on SD magazines. View-finder: Waist level is standard. Motorized Advance for film w/ 6x7 or 6x8 Power Backs. Dimensions/Weight: 104x144x233mm (4.1x5.7x9.2")/ 2690g.(5.9 lbs) w/127mm lens and 120 magazine. Features and specifications are subject to change.		
Lens Hoods  Bellows Lens Hood G-2  Bellows Lens Hood G-3  Front Hood for G-3	Grip  Grip Holder	Focusing Screens  Type A (Matte)  Type A (6x8/Matte)  Type A4 (Checker)  Type B (Rangefinder Spot)  Type C (Microprism)  Type D (Cross-Hair)  Type E (Rangefinder Spot 45°/Microprism)				

Condensed System Chart

Mamiya

645 PRO

The Mamiya 645 PRO features fast and convenient 35mm handling, with a medium format negative size 2.7 times larger than 35mm. The 645 PRO can take on virtually any assignment from fashion and beauty to travel and nature, from sports and photojournalism to architecture and advertising illustration, with superior results and convenient operation.

The 645 PRO owes its immense versatility to its ergonomic, sleek compact styling, rugged, modular design, Mamiya's exclusive, sophisticated A/S Matrix Metering AE Prism Finder, modular Power Drive Grip II, and interchangeable system of film magazines and lenses.

The ever-expanding arsenal of over 22 Mamiya 645 Series high performance lenses rivals the assortment of the most impressive 35mm SLR lines. Mamiya 645 lenses include the spectacular 150mm f/2.8, 300mm f/2.8 APO, and 500mm f/4.5 APO for exciting and dramatic results in fashion, sports, photojournalism and wildlife photography.

For photo-enthusiasts and outdoor or travel photographers, the 80mm f/4 Macro, and 55-110mm f/4.5 or 105-210mm f/4.5 Mamiya ULD low dispersion design zoom lenses offer excellent choices for a wide range of work. For critical and illustrative architectural work, there is a 50mm f/4 PC Shift lens, 24mm f/4 Fisheye, and four other wide-angle lenses to choose from.



Photo by Antoine Bootz

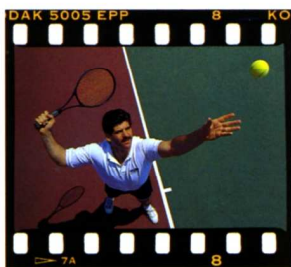


Photo by John Woodward



Photo by Fred Hirschmann

LENSES

	FISHEYE C 24mm f/4	C 35mm f/3.5N	C 45mm f/2.8N	SHIFT C 50mm f/4	C 55mm f/2.8N	C 80mm f/1.9N	C 80mm f/2.8N	MACRO C 80mm f/4N	C 110mm f/2.8N	SOFT FOCUS SF C 145mm f/4
OPTICAL CONSTRUCTION	10 E / 8 G	9 E / 7 G	9 E / 7 G	10 E / 8 G	8 E / 6 G	7 E / 6 G	6 E / 5 G	6 E / 4 G	5 E / 5 G	7 E / 5 G
ANGLE OF VIEW	180	90	76	70	65	47	47	47	35	27
MINIMUM APERTURE	22	22	22	32	22	22	22	22	22	32
MINIMUM FOCUSING DISTANCE	30cm	45cm	45cm	45cm	45cm	70cm	70cm	36cm	120cm	150cm
EQUIVALENT 35mm FOCAL LENGTH	15mm	22mm	28mm	31mm	34mm	50mm	50mm	50mm	68mm	90mm

E = Elements G = Groups

The Mamiya 645 PRO features fast and convenient 35mm handling, with a medium format negative size more than two and a half times larger than 35mm, complete lens and accessory system, interchangeable film magazines and view-finders.



Photo by Gideon Lewin with Mamiya M645 and 110mm f/2.8 lens.

A 150mm f/2.8	C 150mm f/3.5N	C 210mm f/4N	APO	ULD	APO	C 500mm f/5.6N	ZOOM	ZOOM ULD	A 55mm f/2.8N/L	A80mm f/2.8N/L	A 150mm f/3.8N/L
			A 300mm f/2.8	C 300mm f/5.6N	A 500mm f/4.5		C 55-110mm f/4.5N	C 105-210mm f/4.5			
6 E / 4 G	5 E / 5 G	5 E / 4 G	9 E / 8 G	6 E / 5 G	11 E / 9 G	6 E / 5 G	11 E / 10 G	13 E / 11 G	8 E / 6 G	6 E / 5 G	5 E / 5 G
26	26	19	13	13	8	8	65-35	36-19	65	47	26
22	32	32	22	32	32	45	32	32	22	22	32
150cm	150cm	250cm	350cm	400cm	500cm	900cm	150cm	180cm	45cm	80cm	150cm
93mm	93mm	130mm	186mm	186mm	310mm	310mm	34-68mm	65-130mm	34mm	50mm	93mm

Mamiya

645 PRO SYSTEM



A/S Matrix Metering



The optional 645 PRO AE Prism Finder with Mamiya's exclusive A/S Matrix Metering System offers spot, average or matrix measurement in manual mode or aperture priority auto. Electronically timed shutter speed accuracy in 1/6 step in auto mode, and +/- 1/3 step exposure compensation for fast and precise bracketing.

Leaf Shutter Lenses



High synch speed leaf shutter lenses to 1/500 Sec., desirable for outdoor fill-flash photography. Offered by Mamiya's three 645 N/L Series leaf shutter lenses in the most popular 55mm, 80mm and 150mm focal lengths.

Ergonomic Design



Fitted with PRO AE Finder and Power Drive Grip II, the Mamiya 645 PRO handles as fast and as easily as a 35mm SLR. Versatile interchangeable lenses, finders, focusing screens and film magazines, Polaroid back and pre-loadable film inserts, complete the modular system.

The compact, rugged and modular system design of the Mamiya 645 PRO includes a large selection of over 22 interchangeable lenses, three of which have built-in leaf shutters, auto extension tubes, auto bellows macro system, interchangeable finders and focusing screens.

The Power Drive Grip II motorizes the camera, facilitates remote control, and automatically cocks the camera's focal plane shutter and the optional leaf shutter lenses. The camera therefore offers a choice between focal plane shutter operation for long or fast shutter speeds from 4 seconds to 1/1000 Sec. synched to 1/60 Sec., and full flash synch up to 1/500 Sec. for fill-flash applications with Mamiya's N/L Series leaf shutter lenses.

The Mamiya 645 PRO system offers a choice of interchangeable film magazines for 6x4.5cm and 35mm standard and 13x36mm panoramic formats, economical and interchangeable 120 or 220, pre-loadable film inserts for 15 or 30 exposures per roll, plus Polaroid Instant Proofing back. All Mamiya 645 PRO film inserts and lenses are fully compatible with earlier Mamiya 645 models, and many other earlier accessories are interchangeable as well.

Lenses

Wide Angle Lenses

- C 35mm f/3.5N
- C 45mm f/2.8N
- C 55mm f/2.8N

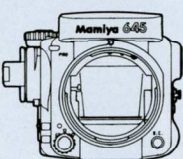
Standard Lenses

- C 80mm f/1.9N
- C 80mm f/2.8N
- C 110mm f/2.8N
- A 150mm f/2.8
- C 150mm f/3.5N
- C 210mm f/4N
- ULD C 300mm f/5.6N
- C 500mm f/5.6

Telephoto Lenses


- A 300mm f/2.8 APO
- A 500mm f/4.5 APO
- Zoom C 55-110mm f/4.5N
- Zoom ULD C 105-210mm f/4.5
- Fish-eye ULD C 24mm f/4
- Macro C 80mm f/4N
- Shift C 50mm f/4
- Soft SF C 145mm f/4
- A 55mm f/2.8 N/L
- A 80mm f/2.8 N/L
- A 150mm f/3.8 N/L
- 2X Tele-converter N

Camera Body




645 PRO Camera Body (with Film Advance Crank AC401 and Strap N)

Power Grip




Power Drive Grip WG401 (with Wrist Strap N)


Film Magazine System




Dark Slide




Panoramic Adapter




Dark Slide




120 Roll Film Inset




220 Roll Film Inset




135 Roll Film Inset N



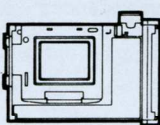
120 Roll Film Holder HA401 (with Film Insert)



220 Roll Film Holder HB401 (with Film Insert)



135 Roll Film Holder HC401 (with Film Insert, Panoramic Adapter, 135/Panorama Focusing Screen)




Polaroid Pack Film Holder HP401

Close-up Attachments

Auto Extension Rings

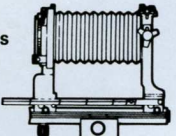
- No. 1
- No. 2
- No. 3-S

Auto Macro Spacer (for Macro 80mm f/4N)



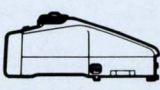
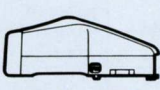
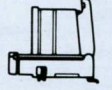
Reversing Ring (for Auto Bellows N)

- RS-58
- RS-67






Auto Bellows N (with Double Cable Release)

Viewfinders

AE Prism Finder FE401 Prism Finder FP401 Waist Level Finder N (with Finder Mask)

Lens Hood

Bellows Lens Hood Magnifier FD401 Angle Finder N

Specifications

Type: 645 format focal plane shutter SLR with instant return mirror.

Format: 6x4.5cm (41.5x56mm w/ 120/220 roll film)

Multi-formats: Interchangeable 6x4.5cm 120 and 220, 35mm, Polaroid Proofing.

Shutter: Electromagnetic focal plane shutter 4 Sec. - 1/1000 Sec., B, T. Flash synch 1/60 Sec. Optional leaf shutter lenses synch to 1/500 Sec. Self Timer. Mirror Lock-up.

Metering Options:

AE Prism Finder w/ A/S Matrix Metering and +/- compensation Dial. Aperture Priority AE or manual TTL metering modes with choice of spot, average or matrix pattern.

Multi-Exposure: Single setting lever.

View-finder: Optional Waist level, non-Metering Prism, or AE Prism.

Motorized Advance for film/shutter/motorized auto cocking leaf shutter lenses w/ Power Drive Grip II.

Power: One 6v silver or alkaline 4LR44/4SR44

Dimensions/Weight:

124x106x158mm (4.9x4.2x6.2") / 1345g. (3.0 lbs.) w/ waist level finder, 80mm f/2.8 N lens, 120 Magazine.

Features and specifications are subject to change.

Condensed System Chart

18

Mamiya

6MF

The Mamiya 6MF is a modern, yet classic 2-1/4" square rangefinder camera with three interchangeable, exceptionally high performance lenses, built-in manual or AE auto metering, unique multi-format capability, and silent, fast, and lightweight, hand holdable design. An elegant solution to many photographic challenges for the demanding pro, fine art perfectionist, and discriminating photo enthusiast.

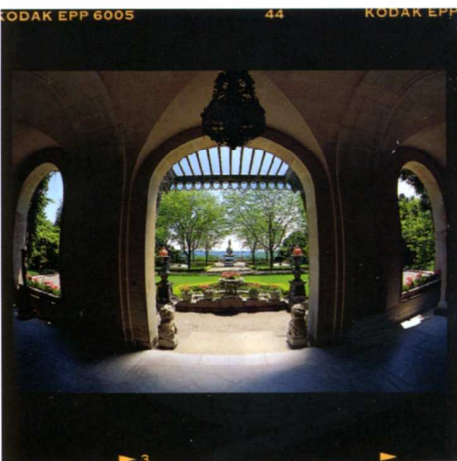
The Mamiya 6MF is the choice for shooting spontaneous action or creative landscape and travel stock photography images on the go. And its big, versatile, 2-1/4 square format quality or unique 24x54mm panoramic 35mm images impress the most demanding clients and colleagues.

Photojournalists as well as wedding photographers find the fast, brilliant, easy to see, and dead-accurate rangefinder focusing of the Mamiya 6MF, combined with its super-quiet, full flash synched leaf shutters, a welcome advantage in a surprisingly small and lightweight medium format camera. The rangefinder/leaf shutter combination also enhances image quality, with freedom from any residual shutter bounce or mirror shake of 35mm SLR designs.

The Mamiya 6MF view-finder offers built-in metering with AE aperture priority mode in exact 1/6 step increments, or fully manual metering for purists, +/- 1/3 step compensation, with electromagnetic, full flash synch leaf shutter speeds from 4 seconds to 1/500 Sec plus B. AE exposure also allows perfect daylight balanced exposure with any flash.

The Mamiya G Series lenses use ultra-high performance optical designs only possible with a rangefinder focusing camera, and Mamiya's own ULD low dispersion glass formulation and computer aided design technology. The lens system includes standard, wide-angle, and telephoto lenses, along with a close-up attachment for focusing down to 50cm/19 inches with the 75mm lens.

The Mamiya 6MF body also features an integral handgrip, and its compact design is enhanced by a collapsible lens mount for easy packing and portability.



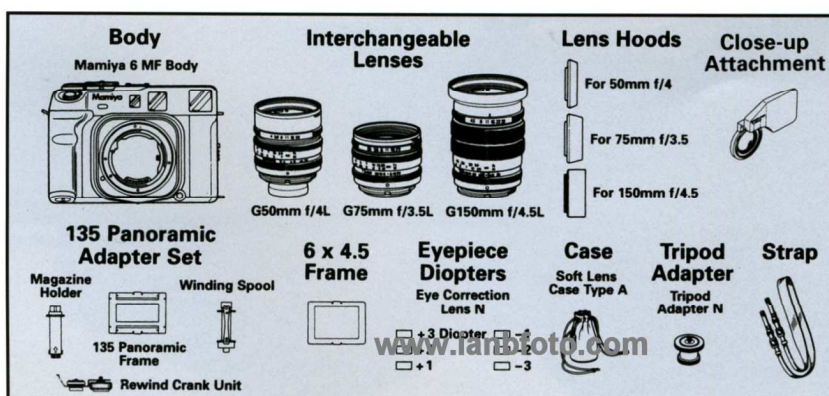
LENSES	G 50mm f/4L	G 75mm f/3.5L	G150mm f/4.5L
OPTICAL CONSTRUCTION	8 E / 5 G	6 E / 4 G	6 E / 5 G
ANGLE OF VIEW	75	55	30
MINIMUM APERTURE	22	22	32
MINIMUM FOCUSING DISTANCE	100cm	100cm	180cm
EQUIVALENT 35mm FOCAL LENGTH	28mm	41mm	82mm
E = Elements G = Groups			

Photo by Martin S. Silverman

The Mamiya 6 MF is a modern, yet classic 2-1/4" square rangefinder camera with three interchangeable, exceptionally high performance lenses, built-in manual or AE auto metering, unique multi-format capability, and silent, fast, and lightweight, hand holdable design. An elegant solution to many photographic challenges for the demanding pro, fine art perfectionist, and discriminating photo enthusiast.



Photo by Dennis Marsico with Mamiya 6MF and 75mm f/3.5 lens.



Specifications

Type: 6x6 format lens shutter coupled rangefinder w/ collapsible lens mount.

Format: 6x6cm (56x56mm w/ 120/220 roll film)

Multi-formats: Interchangeable insert masks for 6x4.5cm and optional 24x54mm 35mm Panoramic.

Shutter: Electromagnetic full flash synch lens shutter 4 Sec. - 1/500 Sec., B.

Metering: Built-in Metering w/1/3 step +/- Compensation Dial. Aperture Priority AE or manual metering modes.

View-finder: Rangefinder coupled, parallax compensating automatic bright line selection (50mm, 75mm, 150mm).

Power: two S76/ 4SR44

Dimensions/Weight: 155x109x75mm(6.1x4.3x3")/1150g (2.5lbs.) w/ 75mm lens

Features and specifications are subject to change.

Mamiya

CAMERA LENS SYSTEMS

Every Mamiya professional medium format camera is supported by a versatile system of Mamiya world-class, high performance lenses. Mamiya utilizes their own ultra-modern computer aided optical design, exclusive glass and lens coating formulation, and state-of-the-art manufacturing techniques. Enthusiastic endorsements, by today's most famous and discriminating photographers have made Mamiya world-class lenses the new benchmark in optical performance.

MAMIYA 7 SERIES lenses are fully cam-coupled lenses covering the 6x7cm format for the Mamiya 7 rangefinder camera. The system of four fully synched electromagnetic leaf shutter lenses include an astounding ultra-wide 43mm f/4.5 lens with a near distortion-free 10 element, 6 group symmetrical design. The 65mm f/4 wide and 80mm f/4 normal are exceptional symmetrical designs as well. The 150mm f/4.5 with 6 elements in 5 groups exhibits APO correction in a compact telephoto design.



MAMIYA RZ SERIES lenses for the RZ67 PRO II system are available in 19 focal lengths ranging from fisheye to extreme telephoto, and include special application lenses for PC shift, Variable Flat Field Macro, Zoom, and an unparalleled series of RZ APO Series apochromatic performance telephotos. They incorporate ultra-precise electromagnetic full flash synch leaf shutters controlled by a shutter speed dial on the RZ PRO II body or optional AE Prism Finder II.



Photo by Eric Meola

Every Mamiya professional medium format camera is supported by a versatile system of Mamiya world-class, high performance lenses, the perfect blend of art and optical science.

MAMIYA RB SD SERIES lenses in 19 focal lengths from fisheye to extreme telephoto, for the RB PRO SD and RZ67 PRO II systems include special application lenses for Variable Soft Focus, PC shift, Variable Flat Field Macro, Zoom, and an exceptional series of K/L APO Series apochromatic telephotos. K/L Series lenses are optically identical to the ultra-high performance RZ Series lens designs, while they utilize fully mechanical leaf shutters.



Photo by Jack Reznicki

MAMIYA 645 SERIES lenses for the 645 PRO are available in two types: 22 designs for focal plane shutter systems, and a selection of three N/L Series leaf shutter lenses providing full flash synch capability to 1/500 Sec. and fast operation with the 645 PRO and Power Grip II. Special application lenses for PC shift, flat field macro, two versatile zooms, and a set of high speed 150mm f/2.8, 300mm f/2.8 APO and 500mm f/4.5 APO lenses are part of the system.



Photo by Antoine Bootz

MAMIYA G SERIES lenses for the Mamiya 6MF system include three cam-coupled, rangefinder lenses including 75mm f/3.5 six element standard, 50mm f/4 eight element symmetrical wide-angle, and 150mm f/4.5 six element telephoto compact designs. All G Series lenses have fully synched, precision electromagnetic leaf shutters.



For Mamiya and Bronica medium format cameras and accessories go to : www.ianbfoto.com

Mamiya



Mikhail Baryshnikov

Photo by © Annie Leibovitz