


Mamiya

645 PRO







Mamiya Master of the Medium

From "evolution" to "reliability"...

Mamiya 645 PRO

In the early '70s Mamiya engineers were given a new challenge: To create a medium format SLR system camera that would have the handling ease of a 35mm camera but would produce a much larger negative and far superior image quality.

A 6×4.5cm rectangular format was chosen because it utilizes 120 film more efficiently. It is about 3× larger than 35mm and can be viewed without the need of a magnifier.

In 1975 the Mamiya M645 was introduced, the world's first 6×4.5cm SLR. Other models followed over the years in order to keep step with optical, mechanical and electronic advances. Now we are proud to present the Mamiya 645 PRO which sets a new standard of quality, reliability and versatility. It is made for demanding pros and advanced amateurs who aspire to join their ranks. Photographers who want to overcome the limitations of the 35mm format and want to gain a competitive edge in today's competitive world.

The Mamiya 645 PRO is more than a camera. It is part of a carefully planned system which comprises:

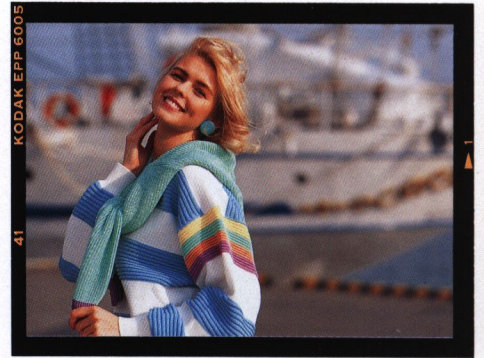
- 22 world-class lenses from fisheye to telephoto including many specialized optics, such as macro, zoom, APO and leaf shutter lenses.
- Interchangeable film holders for 120, 220, and 35mm (with panoramic adapter) films and also Polaroid Film Holder.
- Three interchangeable view finders: Waist Level, Prism and AE Prism with 3-way metering, including the exclusive automatic Average/Spot Matrix metering system.
- Six interchangeable focusing screens.
- Optional Power Drive Grip WG401 for rapid shooting and/or automatic leaf shutter operation.
- Optional Infrared or Radio Remote Control which actuates the Power Drive Grip.
- And much more, as described in this brochure.

**The Superiority of the Large
6×4.5cm Negative or Transparency**

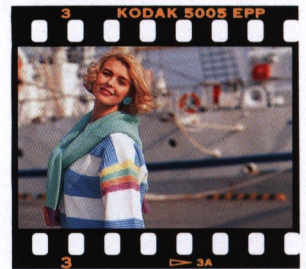


The rectangular 6×4.5cm format (actual image area is 56×41.5mm) is about 3× larger than 35mm. This size advantage results in much finer image resolution, greater tonal range and permits extreme blow-ups.

The larger the negative, the more image details it can record. In spite of the fact that the Mamiya 645 PRO produces a 3× larger image, it offers the handling ease and portability of a 35mm SLR. In the horizontal position its rectangular format resembles human vision; in the vertical position it matches magazine page proportions. Another important reason why this camera's images are of such superior quality are Mamiya world-class, multicoated lenses. There are none better.



● 6 × 4.5cm format
(Actual negative size: 56 × 41.5mm)



● 35mm format
(Actual negative size: 24 × 36mm)

A segment of a photo enlarged to fill the whole space.



● Enlarged from the 35mm format.



● Enlarged from the 6 × 4.5cm format.

Three New High Quality Leaf Shutter Lenses offer even greater shooting options with synchro flash speeds to 1/500 sec.

The Mamiya 645 PRO has a built-in focal plane shutter with speeds to 1/1000 sec. Its advantage, besides the higher shutter speed, is accepting lenses "in barrel mounts", thus saving the cost of a shutter for each lens. But its limitation is that it synchronizes with flash to only 1/60 sec. That is why Mamiya now offers 55mm, 80mm and 150mm lenses with leaf shutter, for unlimited synchro-flash shooting at all shutter speeds.

When these lenses are mounted to the camera, the focal plane shutter is automatically switched to 1/8 sec., making sure that it is open when the leaf shutter goes off.

The optional Power Drive Grip WG401 motorizes the camera and automatically cocks the leaf shutter, as it transports the film.

When used with the AE Prism Finder FE401 the exposure reading in the finder is manually transferred to the leaf shutter.



The Power Drive Grip connects to the leaf shutter lenses by means of the Grip Connector.



• A 80mm f/2.8 (with sync. flash)

The Power Drive Grip WG401 motorizes film transport

The Mamiya 645 PRO is factory equipped with a manual Film Advance Crank. When the optional Power Drive Grip is used, film transport and shutter cocking are automatic and the camera remains steadily in front of the eye for continuous or single frame shooting.

Film Transport Ratio • Approx. 0.5 second per frame. Approx. 1.1 second per frame with Leaf Shutter Lenses.

Power Supply • Six AA size batteries (Ni-Cd battery can be used); optional AC Adapter 9V can be used.

Maximum Transport Ratio • Approx. 80 rolls of film with alkaline batteries; Approx. 70 rolls of film with Ni-Cd batteries. (with new batteries at normal temperature)

Shutter Release Selector • Cable release can be used; with the selector, film can be advanced to the 1st frame and Shutter Release Button can be locked, or battery capacity checked. (Battery strength is indicated by a three stage LED.)

Others • Automatical stop when film has been completely taken up.

Weight • 290g (without battery)

Leaf Shutter Lenses

These lenses have built-in leaf shutter with speeds from 1/30 to 1/500 sec. and offer synch flash at all speeds. The leaf shutter function can be switched off, if focal plane shutter exposures are desired. Featuring micromotors, shutter cocking is automatic with Power Drive Grip WG401, manual without.



Mamiya A 55mm f/2.8 N/L

Mamiya A 80mm f/2.8 N/L

Mamiya A 150mm f/3.8 N/L

4 Interchangeable Roll Film Holders

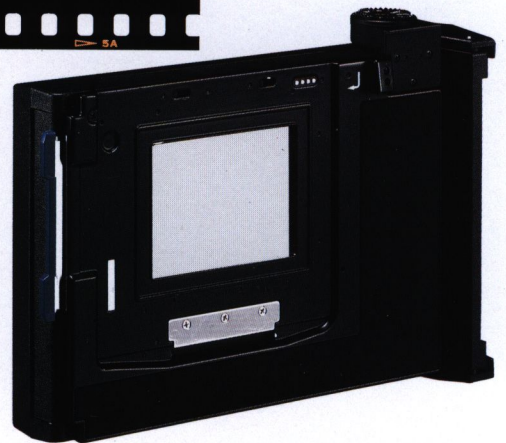
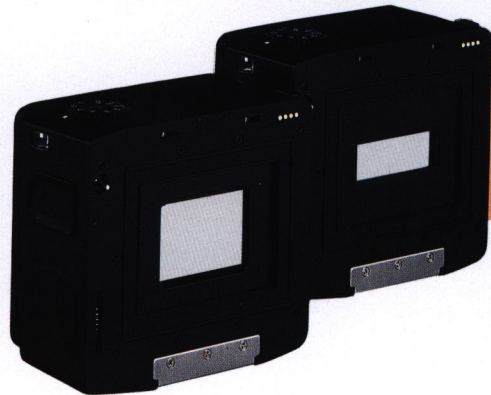
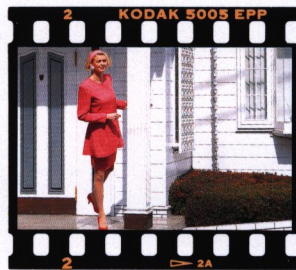
Mamiya Roll Film Holders permit fast interchange, even in mid-roll and can also be quickly loaded with interchangeable, pre-loadable roll film inserts.

Each Roll Film Holder incorporates a Film Speed Dial (ISO settings 25-6,400) which automatically interfaces through the AE Prism Finder with the camera shutter and lens diaphragm to assure correct exposures. You set it when you load the film.

Other desirable Roll Film Holder fail-safe features are: Its Dark Slide is locked when Roll Film Holder is not attached to camera to prevent accidental exposure.

The shutter cannot be released when a Roll Film Holder is attached to camera, unless Dark Slide is withdrawn.

The Roll Film Holder cannot be removed from camera unless Dark Slide is inserted.



120 Roll Film Holder HA401 220 Roll Film Holder HB401

Actual image area is 56x41.5mm. 120 film yields 15 exposures. 220 film 30 exposures. Accept easy to load Roll Film Inserts. Precision design assures extreme film flatness. Storage drawer for withdrawn Dark Slide. Memo Clip for inserting film box end tab. Weight: 410g.

135 Film Holder HC401

Using standard 35mm film cartridges, it produces standard 24x36mm frames. The Panoramic Adapter Set, which includes a special focusing screen and masking slide, creates 13x36mm panoramic images of impressive quality. Weight: 410g.

Polaroid Pack Film Holder HP401

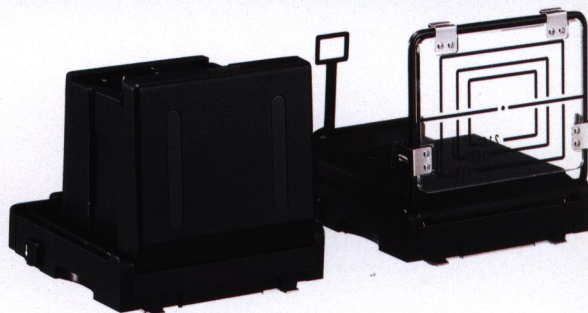
Accepts Polaroid Series 100 and 660 and Fuji EP100 and FP3000B films. The Polaroid Holder is an indispensable tool for the serious photographer, permitting a reliable, last minute check on exposure, lighting, composition and flash gun function.

When mounting the camera with Polaroid Holder on a tripod, Tripod Adapter N2 required. The Neck Strap cannot be used. Weight: 370g.

Interchangeable Viewfinder System, Another Great Mamiya 645 PRO Advantage



Three different types of interchangeable viewfinders and six interchangeable ground glass focusing screens, permit the sophisticated pro to equip the camera for his/her specific needs. The Waist Level Finder N is ideal for low angle shooting. It also incorporates a Sports Finder for eye level action photography. The standard Prism Finder is best for eye level use and so is the AE Prism Finder, which, while optically identical, also features a through-the-lens AE (automatic exposure), 3-way metering system with unique features, including Average/Spot Matrix Metering. It is further explained below.



AE Prism Finder FE401

This aperture priority finder features Average (AV), Spot (SP) and the exclusive Mamiya auto-shift (A-S) metering methods which is further explained on the next pages. It also offers ± 3 EV manual exposure compensation in 1/3 EV increments.

Metering Range: EV1-EV19 (f/2.8 at 4 sec. to f/22 at 1/1000 sec. with ASA/ISO 100 film and 80mm f/2.8N lens).

Aperture Range

• f/1.9 lens: EVO (f/1.9 at 4 sec.)-EV19 (f/22 at 1/1000 sec.) with ISO100 film
f/2.8 lens: EV1 (f/2.8 at 4 sec.)-EV19 (f/22 at 1/1000 sec.) with ISO100 film

Coupling Range

• Auto: 8 sec.-1/1000 at 1/6EV stop intervals.
Manual: 4 sec.-1/1000 at 1EV stop intervals.
Aperture: Interlocked to all lens aperture values.

Film Speed • ISO25-6400 Input through Film Speed Dial on Film Holder.

Built-in Eye Piece Shutter, detachable rubber Eye Cup. Optical specifications and diopter lenses same as Prism Finder FP401 **Weight** • 325g.

Prism Finder FP401

Four normal prisms and a pentaprism render a very bright, unreversed image.

Magnification • 0.79 \times with 80mm f/2.8N standard lens at ∞ .

Diopter Lenses • Available for eye sight correction from +3 to -3.

Weight • 300g

Waist Level Finder N

A lightweight reflex finder with self-erecting hood and flip-up magnifier for critical focusing. Converts to sports finder for 80mm standard lens and is also supplied with Finder Mask for 110, 150 and 210mm lenses.

Weight • 125g

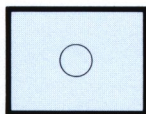
Focusing Screen N

Type A: Matte All matte with fresnel lens for general purpose photography.

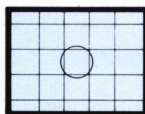
Type A4: Checker A matte screen with fresnel lens and sectional grid markings, suitable for close-up, copy and architectural applications.

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 desired. Focusing is also possible in surrounding matte area.

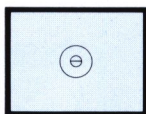
Type C: Microprism A matte screen with fresnel lens and microprism center focusing aid, suitable for general photography and other applications. Focusing is also possible in surrounding matte area.



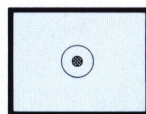
Type A



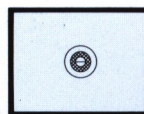
Type A4



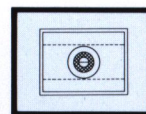
Type B



Type C



Type E



135/Panorama

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 by the split-image, or the general area focused by the microprism. Focusing is also possible in surrounding matte area. (Is supplied with Camera)

135/Panorama

Supplied with the 135 Film Holder HC401. It is identical to Type E screen but also has etched lines to show panoramic field of view.

The AE Prism 3-Way Meter Exclusive A/



Spot metering

The aperture priority, through-the-lens metering, AE Prism Finder, controls Focal Plane Shutter speeds electronically.

The Mode Selector can be set for either average (AV) or spot (SP) exposure metering, depending on the subject's contrast. When set on AUTO A-S (auto shift) the meter automatically makes the decision and selects the optimal method. Exposure accuracy is in 1/6th shutter speed steps. (With manual use, the Finder LEDs light for only 10 seconds to conserve battery power.)

Viewfinder Display

LEDs, clearly visible on the side of the finder, show effective operating conditions and permit visual control.



Displays:

- Metering Mode
- Shutter Speeds
- Intermediate Shutter Speeds
- Over exposure
- Under exposure
- Battery condition
- Inserted Dark Slide
- Uncocked Shutter

Finder Offers Including The S Matrix Method.



AUTO A-S metering



AUTO A-S metering



Average metering

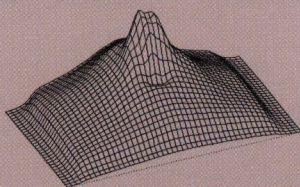


AV

(Average Metering)

AV (Average Metering)

As the name implies, the meter integrates light and dark portions of the subject area and determines the best average exposure.

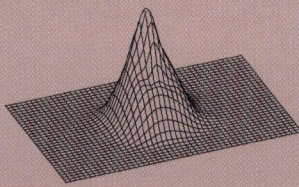


SP

(Spot Metering)

SP (Spot Metering)

The meter reads only within the center circle of the frame, the metering angle depending on the focal length of the lens used.



AUTO A-S

(Autoshift metering)

AUTO A-S (Automatic Shift from AV to SP)

In this setting the meter automatically calculates the brightness differences between center and surrounding area and selects whichever mode is best. In this case, both SP and AV glow in the finder.

22 High Performance Lenses To Meet Every Pho



Fish-eye ULD C 24mm f/4



C 35mm f/3.5N



C 45mm f/2.8N



C 55mm f/2.8N



C 80mm f/1.9N



C 210mm f/4N



ULD C 300mm f/5.6N



Zoom C 55-110mm



C 500mm f/5.6



A 300mm f/2.8 APO



Regular 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
Optical Construction	10 elements 8 groups	9 elements 7 groups	9 elements 7 groups	10 elements 8 groups	8 elements 6 groups	7 elements 6 groups	6 elements 5 groups	6 elements 4 groups
Angle of View	180°	90°	76°	70°	65°	47°	47°	47°
Minimum Aperture	22	22	22	32	22	22	22	22
Diaphragm	Automatic	Automatic	Automatic	Manual	Automatic	Automatic	Automatic	Automatic
Minimum Focusing Distance	30cm	45cm	45cm	45cm	45cm	70cm	70cm	36cm
Maximum Magnification Ratio	0.14	0.11	0.15	0.18	0.18	0.15	0.15	0.15
Area Covered	298 × 402mm	387 × 522mm	286 × 386mm	230 × 310mm	231 × 312mm	284 × 384mm	281 × 380mm	83 × 112mm
Equivalent 35mm Focal Length	15mm	22mm	28mm	31mm	34mm	50mm	50mm	50mm
Filter Size	Built-in	77mm	67mm	77mm	58mm	67mm	58mm	67mm
Lens Hood	None required	None required	Slip-on	None required	Screw-in	Screw-in	Screw-in	None required
Dimensions	82 × 100mm	61.5 × 80mm	70.5 × 75mm	105.5 × 80mm	59.4 × 70mm	59 × 75.5mm	43.5 × 70mm	75 × 79mm
Weight	785g	445g	475g	735g	305g	420g	220g	585g

Graphic Challenge



C 110mm f/2.8N Macro C 80mm f/4N C 110mm f/2.8N A 150mm f/2.8 C 150mm f/3.5N



Zoom ULD C 105-210mm f/4.5



Soft SF C 145mm f/4



A 500mm f/4.5 APO



A 55mm f/2.8 N/L A 80mm f/2.8 N/L A 150mm f/3.8 N/L

Leaf Shutter Lenses	A 55mm f/2.8N/L	A 80mm f/2.8N/L	A 150mm f/3.8N/L
Optical Construction	8 elements 6 groups	6 elements 5 groups	5 elements 5 groups
Angle of View	65°	47°	26°
Minimum Aperture	22	22	32
Diaphragm	Automatic	Automatic	Automatic
Shutter	Seiko #0 mechanical shutter 1/30-1/500 sec., F (Focal plane shutter), x synchro-contact		
Shutter Cocking	Automatic or manual shutter cocking		
Minimum Focusing Distance	45cm	80cm	150cm
Maximum Magnification Ratio	0.18	0.12	0.12
Area Covered	231 × 312mm	345 × 452mm	344 × 465mm
Equivalent 35mm Focal Length	34mm	50mm	93mm
Filter Size	67mm	67mm	67mm
Lens Hood	Screw-in	Screw-in	Screw-in
Dimensions	61.5 × 79.6mm	61.5 × 79.6mm	82 × 78.9mm
Weight	520g	460g	620g

C 110mm f/2.8N	Soft Focus C 145mm f/4	A 150mm f/2.8	C 150mm f/3.5N	C 210mm f/4N	A300mm f/2.8APO	ULD C 300mm f/5.6N	A 500mm f/4.5APO	C 500mm f/5.6N	Zoom C 55-110mm f/4.5N	Zoom ULD C 105-210mm f/4.5
5 elements 5 groups	7 elements 5 groups	6 elements 4 groups	5 elements 5 groups	5 elements 4 groups	9 elements 8 groups	6 elements 5 groups	11 elements 9 groups	6 elements 5 groups	11 elements 10 groups	13 elements 11 groups
35°	27°	26°	26°	19°	13°	13°	8°	8°	65°-35°	36°-19°
22	32	22	32	32	22	32	32	45	32	32
Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
120cm	150cm	150cm	150cm	250cm	350cm	400cm	500cm	900cm	150cm	180cm
	0.13	0.12	0.12	0.10	0.10	0.09	0.10	0.07	0.04-0.08	0.07-0.14
374 × 505mm	326 × 440mm	342 × 462mm	344 × 465mm	406 × 547mm	437 × 590mm	445 × 600mm	377 × 509mm	622 × 839mm	55-986 × 1331mm 110-520 × 702mm	105-558 × 754mm 210-294 × 396mm
68mm	90mm	93mm	93mm	130mm	186mm	186mm	310mm	310mm	34-68mm	65-130mm
58mm	77mm	67mm	58mm	58mm	Drop-in (6 type)	58mm	Drop-in (6 type)	105mm	67mm	58mm
Screw-in	Screw-in	Built-in	Built-in	Built-in	Built-in, with extra hood	Built-in	Built-in, with extra hood	Built-in	Screw-in	Built-in
60 × 70mm	115.5 × 81.5mm	107 × 74.5mm	80 × 70mm	137 × 70mm	139.5 × 237mm	164 × 70mm	377.5 × 162mm	358 × 114mm	104 × 77mm	158 × 74.5mm
390g	900g	740g	420g	715g	2,700g	710g	5,410g	2,280g	800g	875g



Mamiya World-Class Lens Quality

Is a major reason for the great reputation of Mamiya Cameras. Mamiya designs and manufactures its own lenses, using the most modern, computer aided facilities. The optical glass for each element is carefully chosen for maximum performance. Lenses are multicoated and assembled in precision mounts to match the precision of the camera body and film holder. There are quality assurance controls at every step. Everything is done in house. A typical example of Mamiya's optical expertise are the 300mm f/2.8 APO and 500mm f/4.5 APO. There is no other lens in the medium format field that comes near it. Nor does any other manufacturer offer a selection of 21 lenses for the 6x4.5cm format.

- ① A 300mm f/2.8 APO
 - ② Macro C 80mm f/4N
 - ③ C 45mm f/2.8N
 - ④ A 150mm f/2.8
- Shift C 50mm f/4
- ⑤ Upward vertical shift
 - ⑥ No shift employed
 - ⑦ C 110mm f/2.8N
 - ⑧ C 210mm f/4N







Motorized Operation

The Mamiya 645 PRO has been specially designed for motorized operation with the Power Drive Grip WG401 which, when attached, becomes an integral part of the camera.



Electronic Self-Timer with Double Function

When setting the shutter release selector to the self-timer position and releasing the shutter, the red LED lamp will glow for 8 seconds and then blink for 2 seconds before the shutter is fired. A convenient way to make time exposures is to use the self-timer and set the shutter speed to "B". The battery is then automatically switched off, to save power. This LED also serves to indicate state of battery charge.



Convenient Shutter Speed Dial

Large numerals on this oversized knurled dial make selection of manual shutter speeds, or automatic metering with the AE Prism Finder attached, very easy. The red "A" and "AEL" settings will only function with the AE Finder attached. "AEL" stands for automatic exposure lock.

Designed for Rugged Reliability



Electronic Interface of Power Drive Grip

Illustration shows seven electronic contacts which interface Power Drive Grip operation with camera body, film transport and leaf shutter lenses. Multiple exposure function is also provided.



Changing Focusing Screens is Quick and Easy

Six types of bright focusing screens are available. Changing is easy through the lens opening, with the aid of a tweezer tool which is also supplied.



Other Features: Mirror-Up Lock, Electronic Shutter Release.

The mirror can be locked in the up position to prevent even the slightest mirror vibration for close-up or telephoto work.

An Electronic Shutter Release Socket permits attaching Cable Releases, Wire Releases, the Left Hand Grip as well as Wireless Remote Controls.



AE Prism Finder Controls

One large dial with lever can be set for "AV" = Average, "SP" = Spot and "AUTO A-S" = Auto Shift between Average and Spot metering. A large serrated dial permits manual exposure compensation from +3 to -3 EV, in 1/3 steps. To prevent accidental movement, the dial locks at 0 setting.



Electronic Interface Between Camera, AE Prism Finder and Film Holder

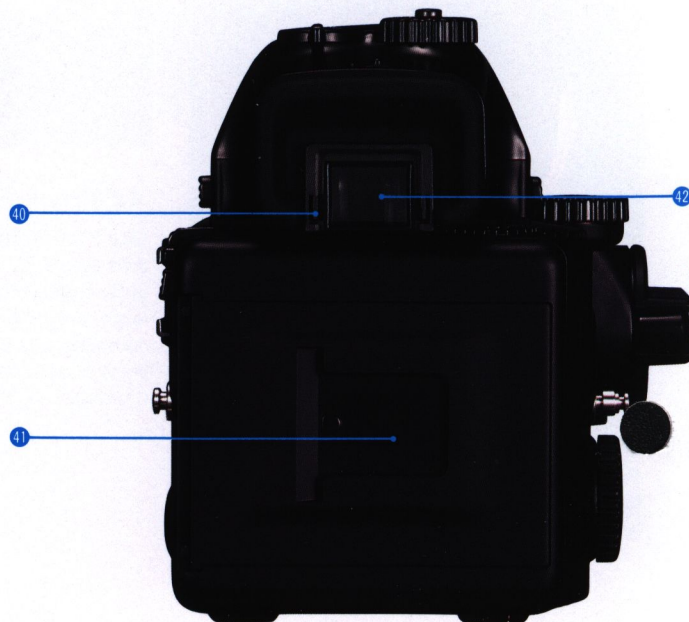
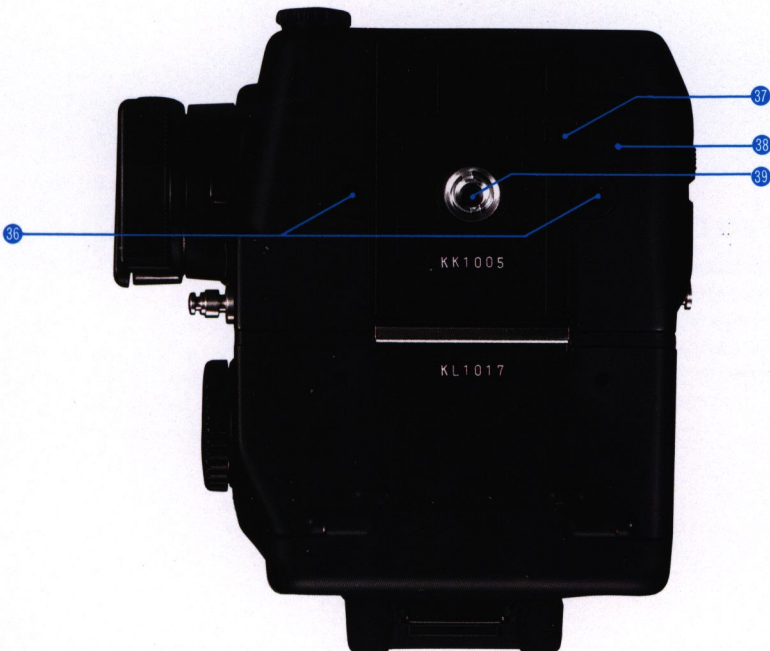
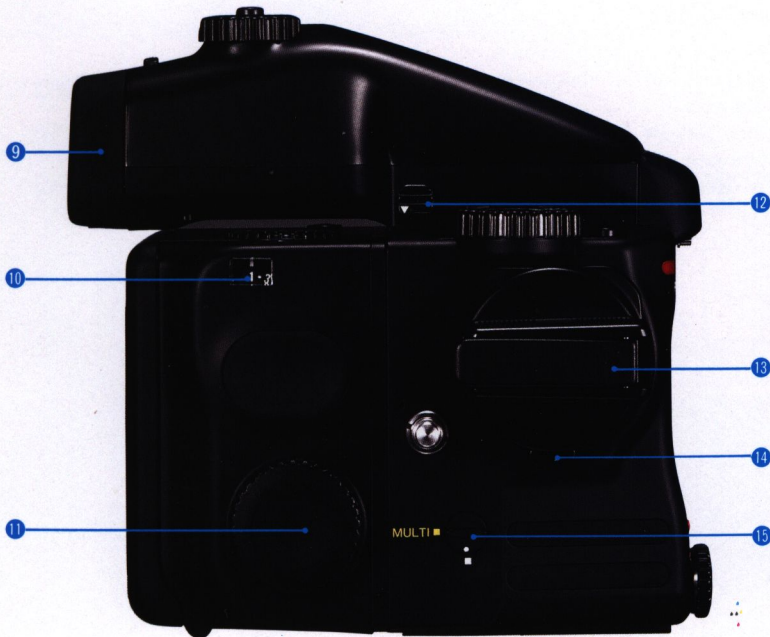
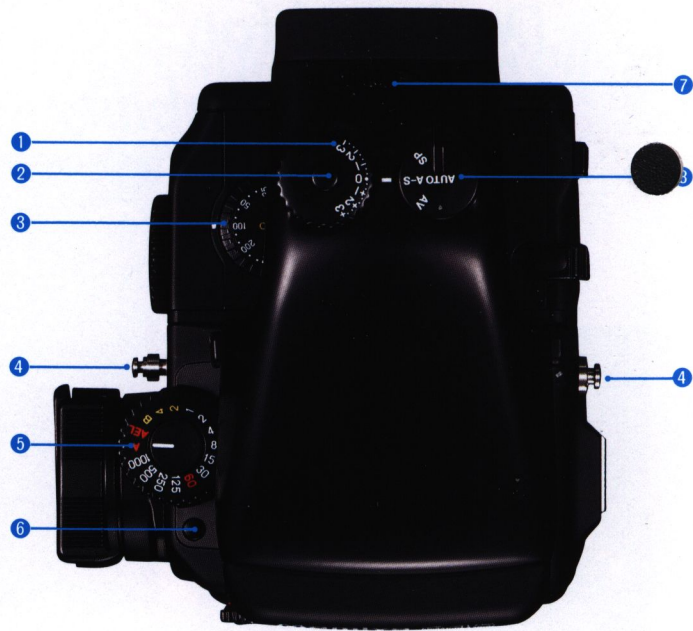
Sixteen gold plated contacts interface these components to transmit the ISO film speed setting from the Film Holder Dial, and also the Dark Slide position and other information.



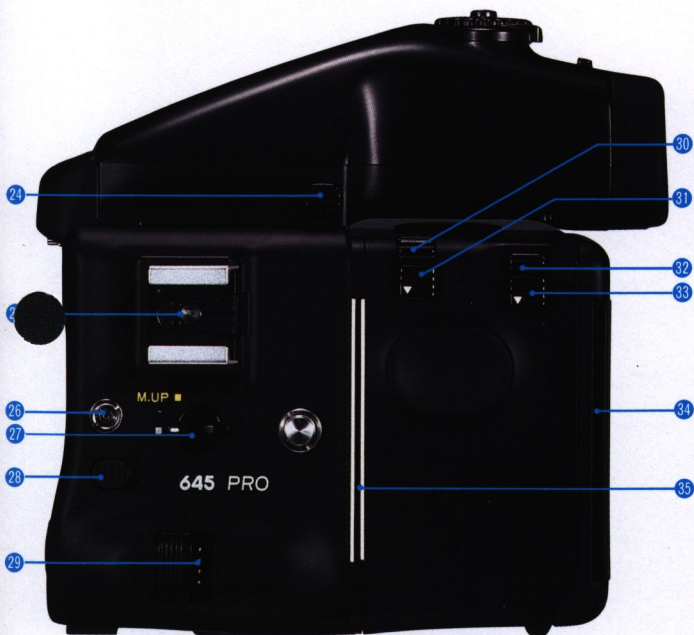
Power Drive Grip Controls

In the center of the Grip is the electronic shutter release button with integral cable release socket. Aligning the index dot of the dial with "Start" or touching the release will automatically advance the loaded film holder to #1 frame. The dial will then automatically move to "On", indicating "action ready" mode. When set to "Off", shutter release is locked. Holding it to "BC" permits checking battery condition by observing the red LED.

The Mamiya 645 PRO Offers Modern Technology With Time Proven Features and Versatility



- 1 Exposure Compensation Dial
- 2 Exposure Compensation Dial Lock Release Button
- 3 Film Speed Dial
- 4 Strap Lug
- 5 Shutter Speed Dial
- 6 Shutter Speed Dial Lock Release Button
- 7 Eye-piece Shutter Lever
- 8 Metering Mode Selector
- 9 Eye-cup
- 10 Film Counter Window
- 11 Film Advance Knob
- 12 Finder Lock Release Button
- 13 Film Advance Crank
- 14 Film Advance Crank Lock Lever
- 15 Multiple Exposure Lever
- 16 Aperture Ring Coupling Pin
- 17 Self-timer/Battery Check Lamp
- 18 Lens Alignment Dot
- 19 Shutter Release Selector



- 20 Shutter Release Button
- 21 Focusing Screen Release Pin
- 22 Mirror
- 23 Battery Check Button
- 24 Finder Lock Release Button
- 25 Hot-shoe (X Contact)
- 26 Flash Synchro Terminal (X Contact)
- 27 Mirror-up Lever
- 28 Lens Release Button
- 29 Auxiliary Electronic Shutter Release Contact
- 30 Film Holder Detaching Button
- 31 Film Holder Detaching Lock Release Button
- 32 Back Cover Button
- 33 Back Cover Lock Release Button
- 34 Dark Slide Storage Slot
- 35 Dark Slide Slot
- 36 Grip Guide holes
- 37 Battery Chamber Cover Latch
- 38 Battery Chamber Cover
- 39 Tripod Socket
- 40 Diopter Lens Mounting Frame
- 41 Memo Clip
- 42 Finder Window

Specifications of Mamiya 645 PRO

Camera Type	6 × 4.5 cm format, electronically controlled focal-plane shutter, single lens reflex.
Actual Film Image Size	56 × 41.5 mm
Film Type	120 roll film (15 exposures) 220 roll film (30 exposures) 35mm roll film Instant film (Poraloid 100/660 series)
Standard Lens	Mamiya-Sekor C80 mm f/2.8 N Mamiya-Sekor C80 mm f/1.9 N
Lens Mount	Mamiya M645 Bayonet Mount
Shutter	Moving coil, electronically controlled, horizontal focal-plane shutter
Shutter Speed	Auto; 8~1/1000 second (with AE Prism Finder FE401). Manual; 4~1/1000 second, B, T.
Shutter Release Button	Electro-magnetic release. Selectable release lock and self-timer.
Mirror	Instant return, front coated mirror with lock-up lever.
Viewfinder	Interchangeable (Waist Level Finder N, Prism Finder FP401, AE Prism Finder FE401).
Focusing Screen	Standard; Type E (Rangefinder Spot/Microprism, with fresnel lens, accessory screen available.)
Field of View	94%
Film Transport	Single turn winding by Film Advance Crank AC401. Variable crank start position (6 positions). Can be changed with Power Drive Grip WG 401.
Exposure Counter	Progressive type, automatic reset. Automatic counter for 120, 220 film and 35mm film.
Multiple Exposure	By the turn of a lever.
Auxiliary Shutter Release Socket	Accepts Remote Control RS401 and Electronic Cable Release.
Synchronization	X terminal plus Hot Shoe, flash synchronization at 1/60 sec. or slower speeds.
Power Supply	6V battery × 1 (4SR44 silver-oxide battery, 4LR44 alkaline-manganese battery or 2CR 1/3 lithium battery).
Battery Check	The Battery Check Button indicates residual battery capacity in 3 stages.
Dimension & Weight	Body with 120 Roll Film Holder HA401 124 mm (W) × 102.5 mm (H) × 124 mm (D) 980g With Waist Level Finder N, 80 mm f/2.8N 124 mm (W) × 106 mm (H) × 158 mm (D) 1,345g With Prism Finder FP401, 80 mm f/2.8N 124 mm (W) × 128 mm (H) × 170 mm (D) 1,530g With AE Prism Finder FE401, 80 mm f/2.8N 124 mm (W) × 135 mm (H) × 170 mm (D) 1,545g With AE Prism Finder FE401, 80 mm f/2.8N, Power Drive Grip WG401 172 mm (W) × 135 mm (H) × 170 mm (D) 1,800g

(without battery)

* The Mamiya 645 PRO and 645 Super share all Lenses and Accessories except the terminal adapters for Left Hand Grip.

* Features and specifications are subject to change without notice.

Extensive Accessory System For Greater Versatility

Auto Bellows N

A precision close-up device with continuous magnification range, it almost converts the 645 PRO into a view camera. Features: Rack and pinion base rail, front with shift, tilt and swing movements (for perspective control), revolving back, for turning camera horizontally or vertically. Weight: 1,300g

Bellows Lens Hood

Attaches to filter thread of lenses with 58mm or 67mm diameter. Comes with gelatine filter holder. Rack and pinion base rail permits continuous extension for maximum stray light prevention. Weight: 310g

2 × Tele-Converter Lens N

Of same optical quality as prime telephoto lenses, it doubles their effective focal lengths. For use with 145, 150, 210, 300 and 500mm lenses. Weight: 330g

Auto Extension Rings No 1, 2, 3-S

Designed for use with 80mm f/1.9N and 80mm f/2.8N lenses; diaphragm automation and meter coupling are retained. Combining all three with either 80mm lens allows full 1:1 reproductions.

Weight: No. 1	55g
No. 2	90g
No. 3-S	120g

Auto Macro Spacer

Used with the 80mm-f/4N Macro lens, the Auto Macro Spacer allows close-up photography from one-half to life-size reproduction. Diaphragm automation and meter coupling widen its versatility. Weight: 120g

Magnifier FD401

Attaches 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 -5 to +5 diopter correction. Weight: 50g

Angle Finder N

Attaches to eyepiece of Prism Finders. Makes low-angle, close-up and copy work more comfortable. Unlike the waist level finder N, it provides right-side-up image and features click stops and a built-in diopter unit (-4 to +4). Weight: 125g



Pre-loadable Roll Film Inserts 120 and 220

Can be used with either 120 or 220 magazine shells and can be quickly inserted. Come complete with case to protect loaded film. Weight: 120g

Left Hand Grip GL401 (Comes with Terminal Adapter RA401)

Features lockable electronic shutter release button, hot shoe and padded hand strap. The Terminal Adapter which also has a cable release socket, connects grip electrically to camera's PC outlet.

Cannot be used with Polaroid Holder or Mamiya 645 Super. Weight: 330g



No.1 No.2
Auto Extension Rings

No.3-S
Auto Macro Spacer

Mamiya M645 TELECONVERTER 2X N
2x Tele-converter N

Magnifier FD401

Terminal Adapter RA401

Angle Finder N

Bellows Lens Hood

Left Hand Grip GL401

Quick-shoe Model 2

Electro-magnetic Cable Release

Mamiya 645 PRO
MAMIYA-SEKOR
80mm 1:2.8 N
B.C.
Remote Control RS401

External Battery Case

Remote Control RS401

Consists of Transmitter and camera mounted Receiver. Choice of three infrared channels for interference free operation. 30m operating range.

Power source:
Transmitter: Two AA-size alkaline batteries
Receiver: One S-006P 9V battery
Weight:
Transmitter: 130g (excl. battery)
Receiver: 140g (excl. battery)

Quick Shoe, Model 2

A two part device, one part mounted to camera, the other to tripod, allows quick and convenient mounting and removing camera from tripod.
Weight: 235g

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

Tripod Adapter N 2

Is required to use the 645 PRO with attached Polaroid Back on a tripod. Weight: 185g

Revolving Adapter N

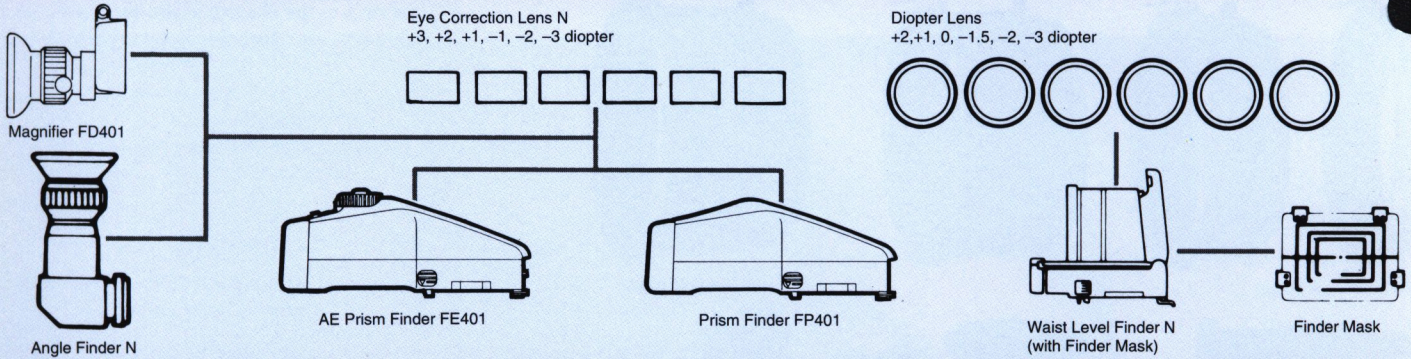
Acts like a revolving back. Permits turning camera from horizontal to vertical format and vice versa, while maintaining optical axis. For table top and tripod use.
Weight: 690g

External Battery Case

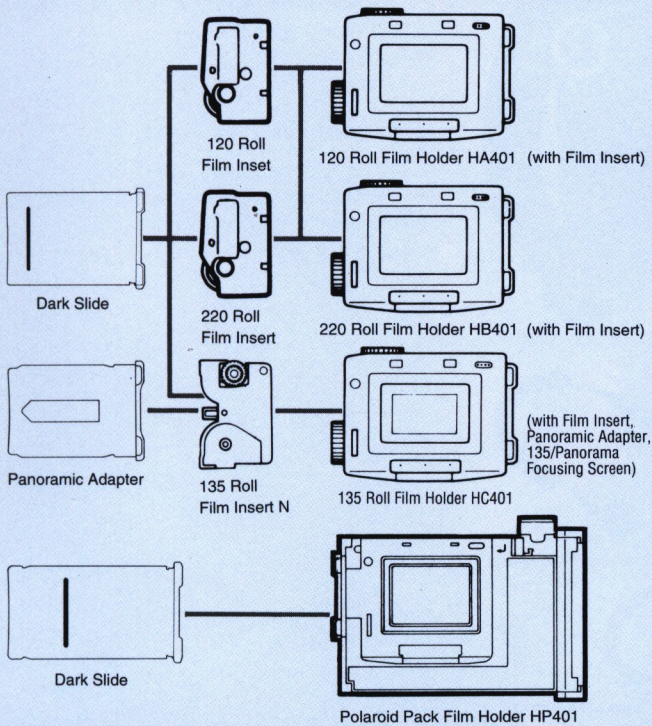
Cold temperatures can affect battery power. Permits camera battery to be worn inside clothing. Connects by wire to camera.
Weight: 22g

Mamiya 645 PRO [System Chart]

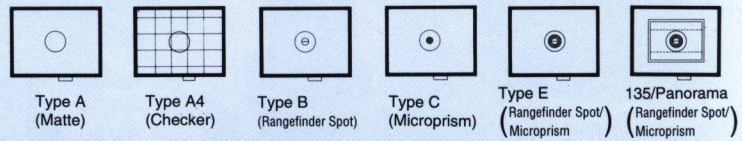
Viewfinder Equipment



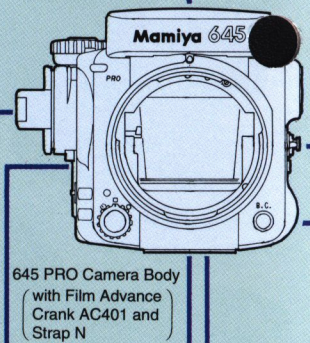
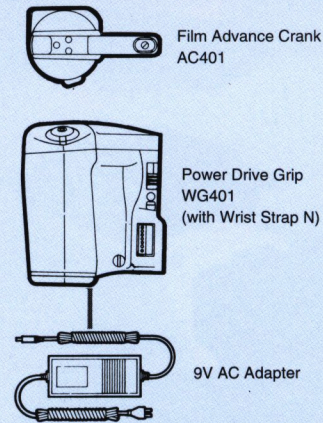
Film Holder Equipment



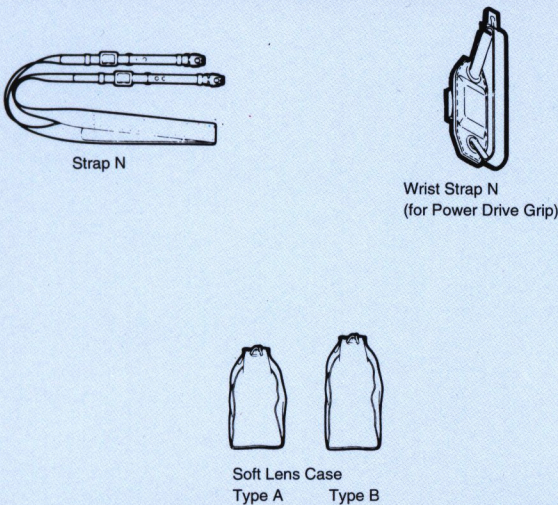
Finder Screens



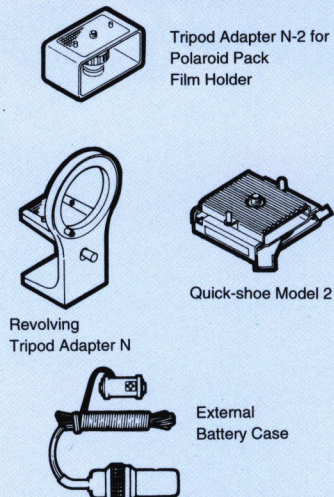
Film Advance Equipment



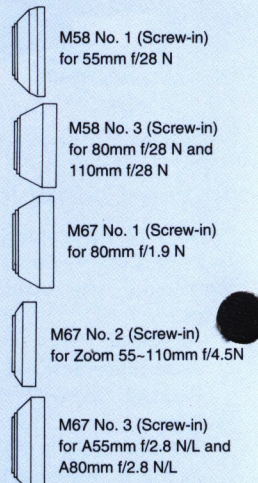
Straps/Cases



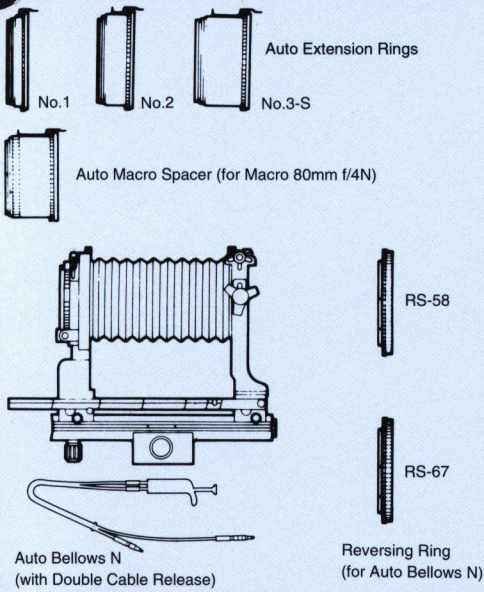
Body Accessories



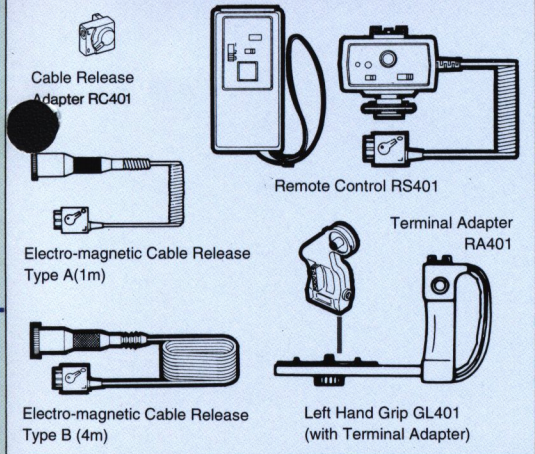
Hoods



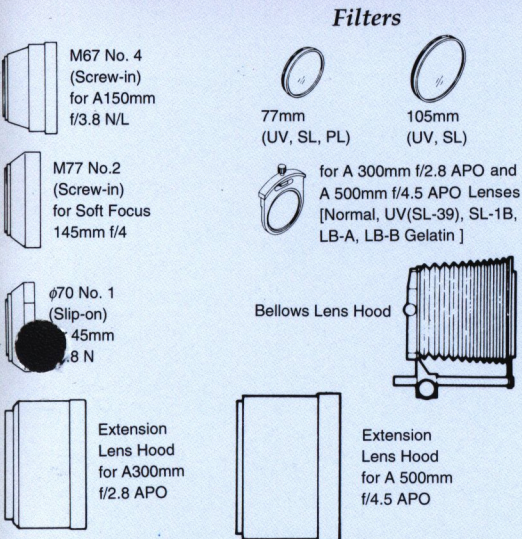
Close-up Equipment



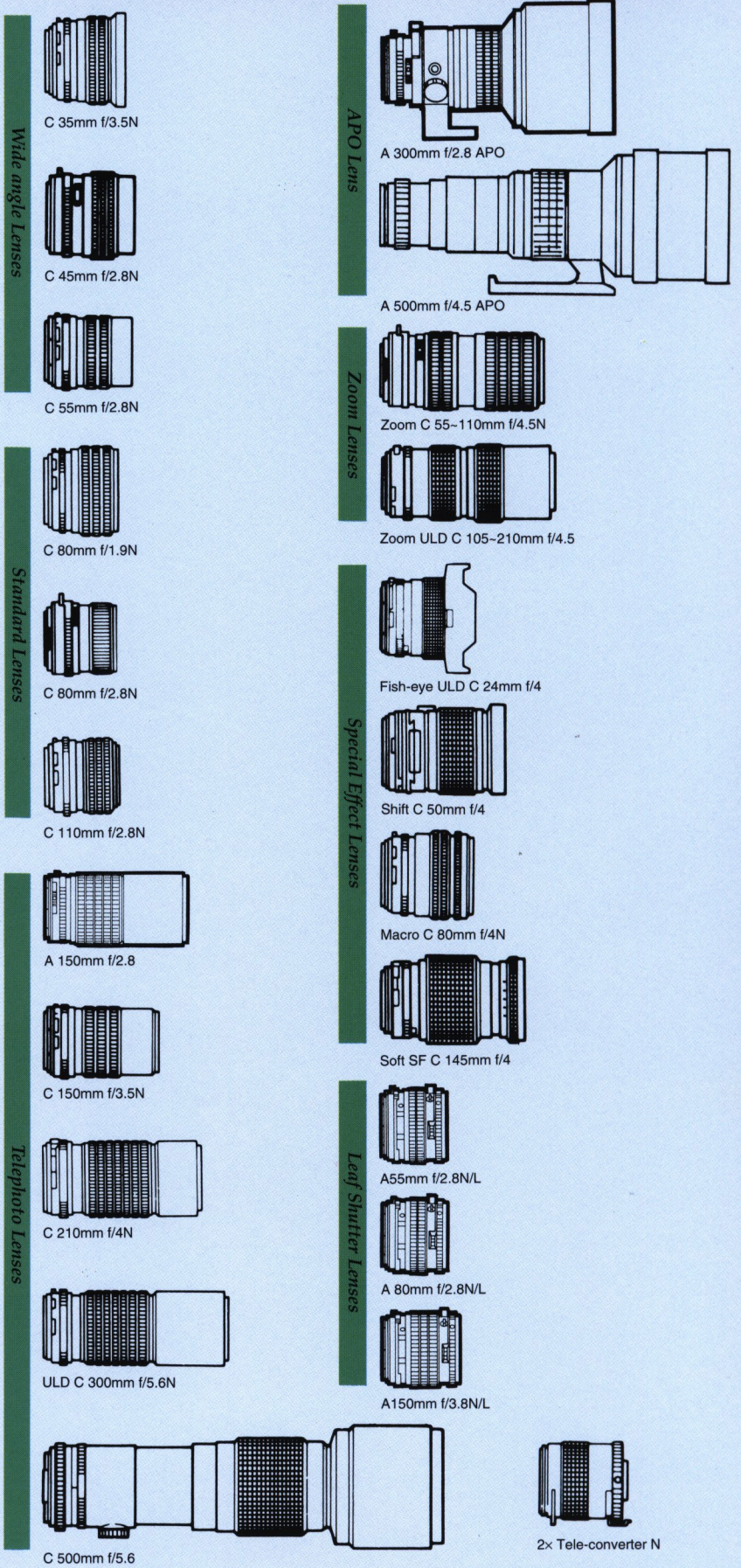
Remote Control Equipment



Hoods/Filters



Lenses



* The Mamiya 645 PRO and 645 Super share all Lenses and Accessories except the terminal adapters for the Left Hand Grip



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