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Mamiya[®]

C330f

C220

Twin-Lens Reflex
Camera System

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Mamiya C330f and C220 Twin-Lens Reflex Camera System

The twin-lens reflex camera . . . always a viable and valuable photographic alternative for both sophisticated amateurs and knowledgeable professionals. The advanced C330f and the simplified C220 TLR's offer simplicity, economy, and 6x6 cm medium-format capabilities that make them the preferred photographic medium for special assignments . . . at home, in the field, in the studio. These cameras are especially flexible for on-sight shooting, such as weddings. The quality, advanced features, infinite versatility, and full line of interchangeable lenses and accessories of the Mamiya TLR system put these cameras in a class all their own.



Mamiya C330f Features



1. Single-Action Focusing Hood
2. Accessory Shoe
3. Parallax Correcting Dial
4. Distance Scale Revolving Knob
5. Distance Scale
6. Focusing Knob
7. Focusing Knob Lock Lever
8. Spool Change Knobs
9. Back Cover Catch Button
10. Film Wind Crank
11. Multi/Single Exposure Selection Dial
12. Two Shutter Release Buttons
13. Interchangeable Lens System
14. Lens Catch Bracket
15. Exposure Counter

Automatic Parallax Compensation and Exposure Factor Indicator

Parallax compensation for the various interchangeable lenses and the exact exposure multiplication factor are automatically indicated by a bar in the viewing screen.

Easy-to-Read Distance Scale

The distance scale is engraved on the hexagonal distance rod on the side. By turning the distance scale, the distance scale can be adjusted to the lens in use. Flash photography has been made easier.

Single-Action Focusing Hood

The accordion-type hood can now be opened and closed with one hand. In the up position the interchangeable magnifier shields the entire viewfinder screen from extraneous light.

Straight Film Path

The straight film path eliminates the right-angle turn used in other 6x6 twin-lens reflex cameras. This, in combination with a specially designed film gate and pressure plate, ensures the highest standards of film flatness.

Two Shutter Release Buttons

In addition to the regular shutter release button on the side of the camera body, a second shutter release button has been attached to the camera front. A shutter lock prevents accidental release.

Speedy Film Size Changing

Turning the film pressure plate 90 degrees will permit speedy changing to either 120 or 220 film. The film indicator and film counter are automatically adjusted.

Rack-and-Pinion Type Bellows Permits

Close-up Photography without attachments. Rack-and-pinion type focusing with bellows is an original Mamiya design. The use of this system makes close-up photography simple, as close as 354mm with the standard 80mm f/2.8 lens and as close as 241mm with the wide-angle 55mm f/4.5 lens.

One-action Crank Filmwind

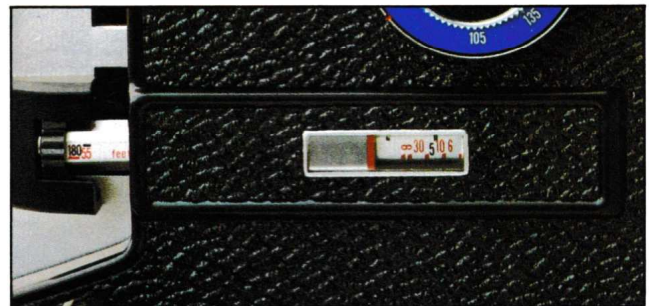
One turn of the filmwind crank advances the film and cocks the shutter. No back stroke is required.

Focusing Knob Lock

A lever locks the focusing knob in position once it is adjusted.



Automatic Parallax Compensation and Exposure Factor Indicator



Easy-to-Read Distance Scale



Single-Action Focusing Hood



Two Shutter Release Buttons

Mamiya C330f and C220 Multi-Coated Lens Series

The only interchangeable lens system in the world for a twin-lens reflex camera. Versatility and performance of the Mamiya C series cameras are extended to their fullest capability. Just match the lens to the application and shoot.



Standard



80mm f/2.8

105mm f/3.5DS



65mm f/3.5



55mm f/4.5

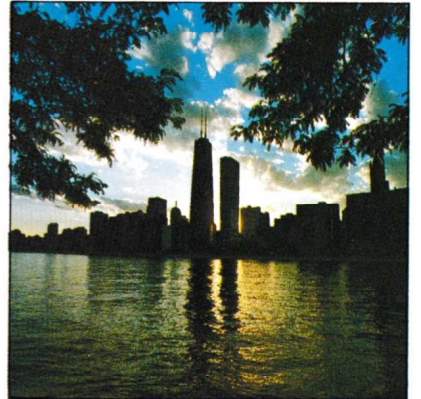
Wide-Angle



Standard



Telephoto



Wide-Angle

Telephoto

Lens	WIDE-ANGLE		STANDARD		TELEPHOTO		
	55mm f/4.5	65mm f/3.5	80mm f/2.8	105mm f/3.5	135mm f/4.5	180mm f/4.5	250mm f/6.3
Angle of view	70.5°	63°	50.7°	41.3°	33°	24.5°	18°
Magnification (based on 80mm lens)	.69X	.62X	1X	1.32X	1.68X	2.25X	3.12X
Minimum aperture	f/22	f/32	f/32	f/32	f/45	f/45	f/64
Minimum focusing distance	241mm	271mm	354mm	584mm	902mm	1290mm	2050mm
Minimum subject coverage	64x64mm	67x67mm	86x86mm	185x184mm	252x252mm	275x275mm	311x311mm
Number of elements	9	6	5	5	4	5	6
Filter size	46mm	49mm	46mm	46mm	46mm	49mm	49mm
Weight	330g	340g	310g	336g	370g	620g	630g

Mamiya C330f and C220 Interchangeable Viewfinders and Hoods

Prism Finder

When this Prism Finder is used instead of the focusing hood, the image on the ground-glass focusing screen appears exactly as the subject is seen. It is indispensable for eye-level candid shots. Magnification is approximately 2.5 times.

Porrofinder

When used in place of the regular focusing hood, the camera can be held at eye level. The image in the finder is right-side up. Magnification approximately doubles the image on the ground-glass focusing screen.

CdS Porrofinder

Built-in CdS exposure meter measures the amount of light traveling through the viewing lens, offering correct exposure setting even for amateurs. (There is no need to worry over exposure correction on close-up shots by extending the bellows.) Magnification approximately doubles the image on the ground-glass focusing screen.

Magnifying Hood

May be used instead of the focusing hood. By turning the knob on the side, either 3.5X or 6X magnification can be selected.

CdS Magnifying Hood

The 3.4X CdS Magnifying Hood gives a reliable through-the-lens exposure reading. Interchanges with other Mamiya finders.

Waist Level Finder



Prism Finder



CdS Magnifying Hood



CdS Porrofinder



Magnifying Hood



Porrofinder

Mamiya C330f and C220 Accessories

Custom aluminum case with foam-lined interior for camera, lenses, and accessories.

Single-exposure back permits use of special plate and cut film holders for single pictures.

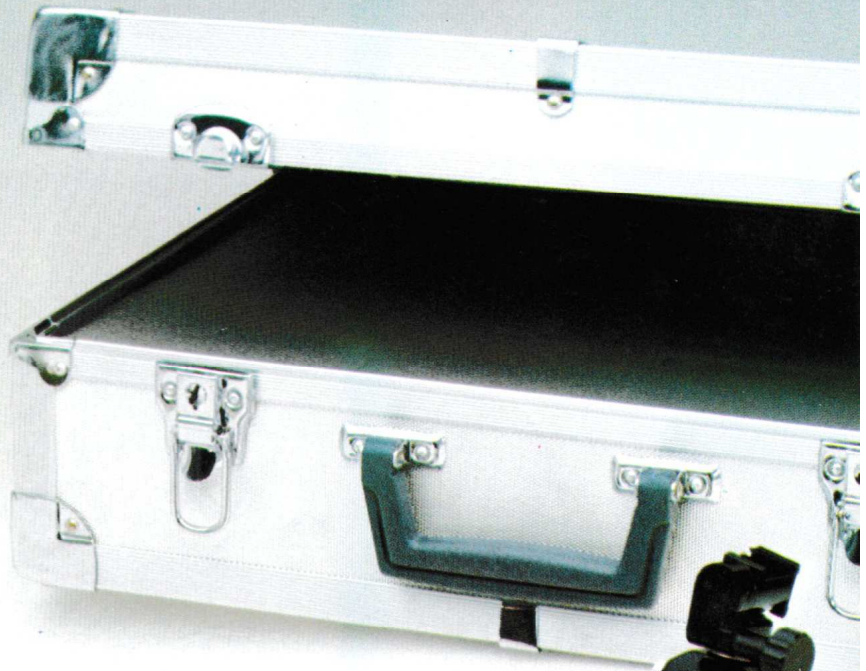
Multi-angle grip with trigger release in the handle facilitates steady hand-holding of camera at slow shutter speeds.

Paramender model 2 is a parallax-correcting device which lifts the camera when the lever is operated, thus shifting the taking lens into the position occupied previously by the viewing lens. There's also a model 3 that includes a panhead.

Camera grips with various convenience features and flashgun brackets for different mount types are available.

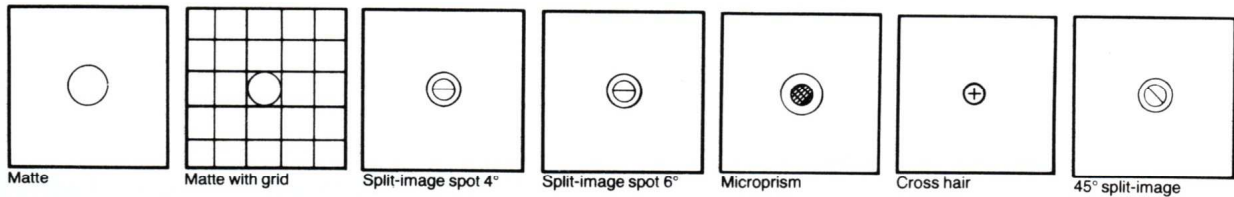
Magnifier to attach to the focusing hood from above. Magnifies the picture on the ground glass 5.5 times.

Plus: five types of sportsfinder masks for specific lenses, eye-correction lenses of various diopters for the Porro and Prism finders and Single-Action Focusing Hood, eveready case, focusing knob adapters, neck strap, tripod adapter and quick shoe.



Interchangeable Focusing Screens . . .

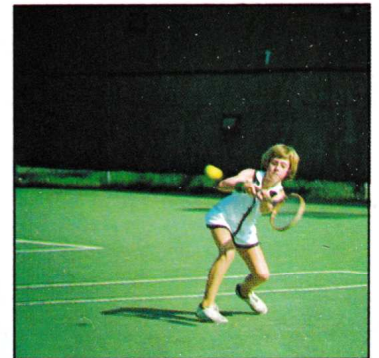
Seven focusing screens, including the standard No. 1 Matte, are available for the Mamiya C330f to match any shooting situation. All the screens have 1.5X-3X close-up exposure factor scales built in.



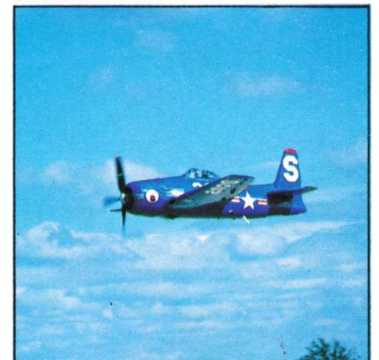
Mamiya C220 Lightweight TLR



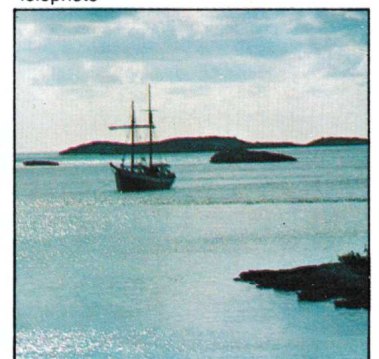
The C220 is a simplified version of the C330f and is 500 grams lighter. It retains the most desirable features of the advanced TLR without sacrificing any features essential to a great working camera. Many Mamiya TLR users prefer the C220 for its light weight, simple operation for general photography, or as a second camera for different film or lens. The C220 differs from the C330f as indicated in the specifications. Almost all the systems accessories shown, with the exception of focusing screens and some grips, can be used with either camera.



Standard



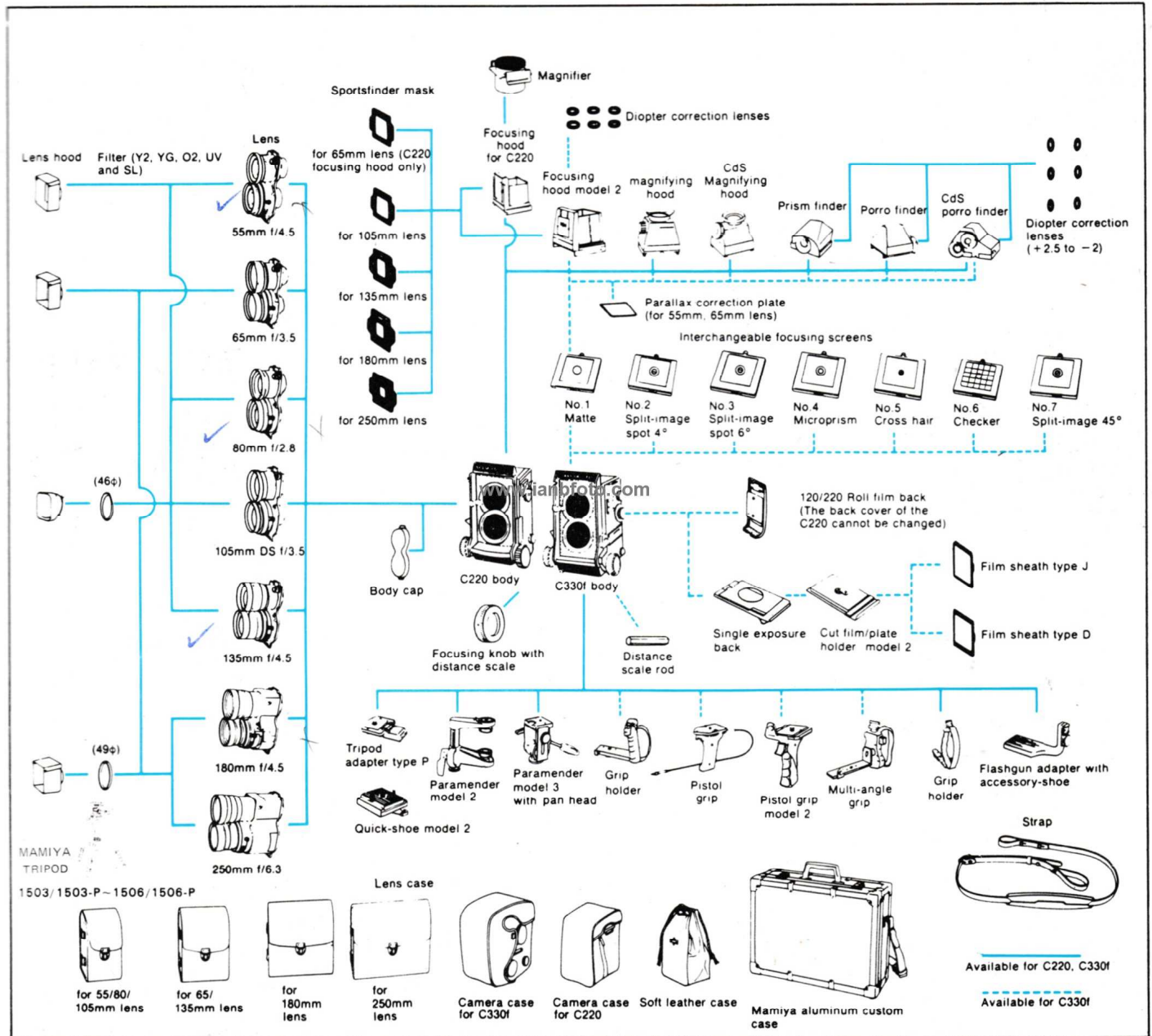
Telephoto



Wide-Angle

Mamiya C Series Systems Chart

Interchangeable lenses and a full accessory system are available for the C330f and C220 to help you broaden the scope of your photography. Please consult the system chart below when choosing the lenses and accessories you need.



Specifications of Mamiya C330f and C220

Model	C330f	C220
Film and negative size	120 roll film (12 exposures, 6 × 6cm) 220 roll film (24 exposures, 6 × 6cm) Changeover by 90° turn of the pressure plate.	120/220 roll film (12/24 exposures, 6 × 6cm)
Lens (standard)	Mamiya/Sekor 80mm f/2.8 (5 elements in 3 groups, 50°40')	Mamiya/Sekor 80mm f/2.8
Shutter	Seikosha-S #O (B, 1-1/500 sec., M-X synchronization). Shutter is automatically clocked when film is advanced. Two shutter release buttons—one on side of body and another on front of body.	Seikosha-S #O Side shutter release only
Focusing	Front extension system by rack-and-pinion with dual focusing knobs.	Front extension system by rack-and-pinion with dual focusing knobs.
Viewfinder hood	Removable and replaceable by other types of finders. Interchangeable focusing screens.	Removable and replaceable.
Film wind	By winding crank; self-cocking type. Double exposure prevention device (override possible).	By ratchet knob. Double exposure prevention device (override possible).
Exposure counter	Automatic re-set.	Automatic re-set.
Other features	Single exposure possible with interchangeable back cover. Revolving hexagonal type distance scale.	Parallax and exposure compensation scale.
Dimensions	122(W) × 168(H) × 114(D)mm.	118(W) × 167(H) × 113(D)mm.
Weight	1,700 grams (with 80mm lens).	1,440 grams (with 80mm lens).