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# Mamiya C330f C220

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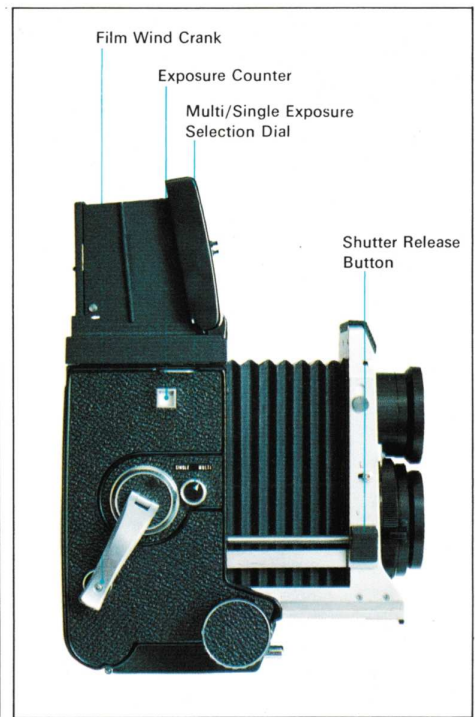




## Ultra Camera— Mamiya C330f PROFESSIONAL

Equally at home in quality large-format color photography as in portraiture or sports events. A true statement about the new Mamiya C330f professional, the only twin-lens reflex with interchangeable lenses and accessories. Based on the precision made body with its many features, the C330f versatility is made almost infinite by the full range of accessories and lenses. Now you can explore a whole new world of photography. Both the professional and amateur photographer will find the following features aids to making better pictures.

- \* Seven Mamiya-Sekor interchangeable lenses.
- \* Self-cocking type one-action crank filmwind.
- \* Built-in automatic parallax compensation and automatic exposure factor indicator.
- \* Six interchangeable focusing screens.
- \* Focusing hood model 2 with six interchangeable diopter correction lenses.
- \* Two shutter release buttons and safety lock.
- \* Hexagonal distance rod with an easier-to-read distance scale for use with all lenses.
- \* Rack and pinion type bellows permits close-up photography without attachments.
- \* Turning the film pressure plate 90 degrees permits using either 120 or 220 roll film.
- \* Single exposures possible with a special back cover.
- \* The back can be opened and film changed with the camera mounted on a tripod.
- \* A multitude of accessories to increase camera versatility.



**Automatic Parallax Compensation and Exposure Factor Indicator**

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



**One-action Focusing Hood**

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

**Two Shutter Release Buttons**

Besides the regular shutter release button on the side of the camera body, another handy shutter release button has been attached to the camera front. There is a shutter lock to prevent accidental release.

**Speedy Changing of Film**

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

**Rack-Pinion Type Bellows Permits Close-up Photography without attachments.**

The rack-pinion type focusing utilizing bellows is an original Mamiya design. The use of this system makes close-up photography very simple, up to 354mm with the standard 80mm f2.8 lens and up to 241mm with the wide-angle 55mm f4.5 lens.

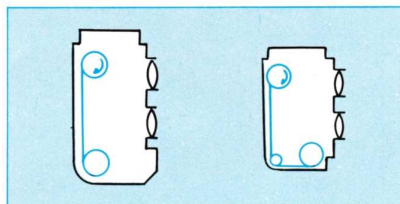
**One-action Crank Filmwind**

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



**Easier-to-Read Distance Scale**

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



**Straight Film Path**

The straight film path eliminating the right-angle turn in other 6x6 twin-lens reflex cameras, in combination with a perfectly designed film gate and pressure plate, ensures absolute flatness of the film.

**Focusing Knob Lock**

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

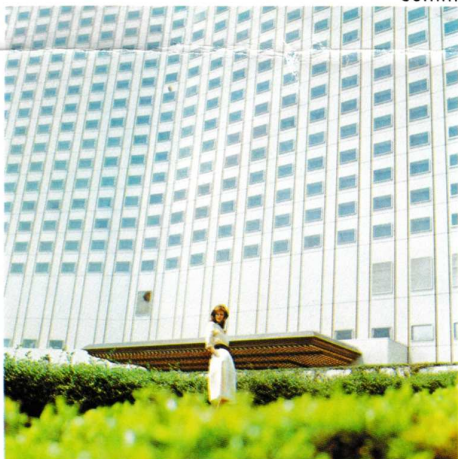
## The Mamiya-Sekor Family of Lenses—Extensively Interchangeable

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

55mm



80mm

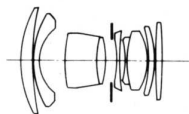


250mm



### WIDEANGLE

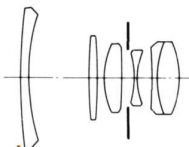
**55mm f4.5**



*Construction: 7-group, 9-element  
Angle of View: 70° 30'  
Minimum Aperture: F22  
Minimum Focusing Distance from Film to Subject: 241 mm  
Minimum Subject Coverage: 64x64 mm  
Weight: 330 grams  
Filter Size: 46 φ screw-in type*

### WIDEANGLE

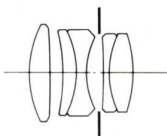
**65mm f3.5**



*Construction: 5-group, 6-element  
Angle of View: 63°  
Minimum Aperture: F32  
Minimum Focusing Distance from Film to Subject: 271 mm  
Minimum Subject Coverage: 67x67 mm  
Weight: 340 grams  
Filter Size: 49 φ screw-in type*

### STANDARD

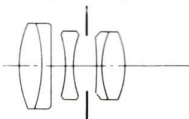
**80mm f2.8**



*Construction: 3-group, 5-element  
Angle of View: 50° 40'  
Minimum Aperture: F32  
Minimum Focusing Distance from Film to Subject: 354 mm  
Minimum Subject Coverage: 86x86 mm  
Weight: 310 grams  
Filter Size: 46 φ screw-in type*

### STANDARD

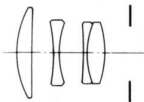
**105mm f3.5D**



*Construction: 3-group, 5-element  
Angle of View: 41° 20'  
Minimum Aperture: F32  
Minimum Focusing Distance from Film to Subject: 584 mm  
Minimum Subject Coverage: 184x184 mm  
Weight: 336 grams  
Filter Size: 46 φ screw-in type*

### TELEPHOTO

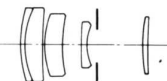
**135mm f4.5**



*Construction: 3-group, 4-element  
Angle of View: 33°  
Minimum Aperture: F45  
Minimum Focusing Distance from Film to Subject: 902 mm  
Minimum Subject Coverage: 252x252 mm  
Weight: 370 grams  
Filter Size: 46 φ screw-in type*

### TELEPHOTO

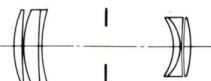
Super **180mm f4.5**



*Construction: 4-group, 5-element  
Angle of View: 24° 30'  
Minimum Aperture: F45  
Minimum Focusing Distance from Film to Subject: 1,290 mm  
Minimum Subject Coverage: 275x275 mm  
Weight: 620 grams,  
Filter Size: 49 φ screw-in type*

### TELEPHOTO

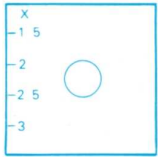
**250mm f6.3**



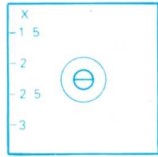
*Construction: 4-group, 6-element  
Angle of View: 18°  
Minimum Aperture: F64  
Minimum Focusing Distance from Film to Subject: 2,050 mm  
Minimum Subject Coverage: 311x311 mm  
Weight: 630 grams  
Filter Size: 49 φ screw-in type*

## Interchangeable Focusing Screens

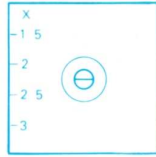
Six focusing screens, including the standard No. 1 Matte, are available for the Mamiya C330f to match any shooting situation. All the screens have 1.5X - 3X close-up exposure factor scales built in.



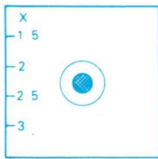
No. 1  
Matte



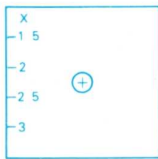
No. 2  
Split-Image Spot 4°



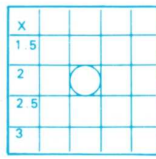
No. 3  
Split-Image Spot 6°



No. 4  
Microprism



No. 5  
Cross Hair



No. 6  
Checker

## Porrofinder

By attaching this porrofinder instead 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

This is a porrofinder with built-in CdS exposure meter. It 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.



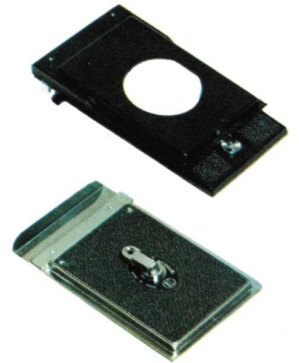
## Prism Finder

Through this prism finder, which is used instead of the focusing hood, the image on the ground glass focusing glass appears exactly as the subject is seen. It is indispensable for eye-level, candid shots. Magnification is approximately 2.5 times.



## Single Exposure Attachment Set

By using single-exposure back in place of the standard back, special plate and cut film folders can be used for single-frame pictures. Immediate checking of results is possible.



## Magnifying Hood

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



## CdS Magnifying Hood

The newly designed 3.4X CdS magnifying hood gives a reliable through-the-lens exposure reading. Interchanges with other Mamiya finders.



## Magnifier

A very convenient accessory for accurate focusing, this magnifying glass, which is attached to the focusing hood from above, magnifies the picture on the ground glass focusing screen 5.5 times. By turning the eye lens ring of the magnifier, visibility can be adjusted. (For all C series cameras except C330f)



### Multi-angle Grip (for C330f)

A rugged grip with a trigger release in the handle that facilitates steady hand-holding of the C330f at slow shutter speeds. Click stops hold firmly throughout the full range of 360 degrees.



### Pistol Grip (for C330f)

The trigger type shutter release button is coupled to the body shutter to form a convenient pistol grip for the C330f.



### Paramender Model 2 and Model 3

These are parallax correcting devices used between the camera base and the tripod. Model 2 lifts the camera when the lever is operated, thus shifting the taking lens into the position occupied previously by the viewing lens. Model 3 also includes a Pan Head which allows free rotation in any direction.



## The Advanced Mamiya C330f and the Lightweight C220

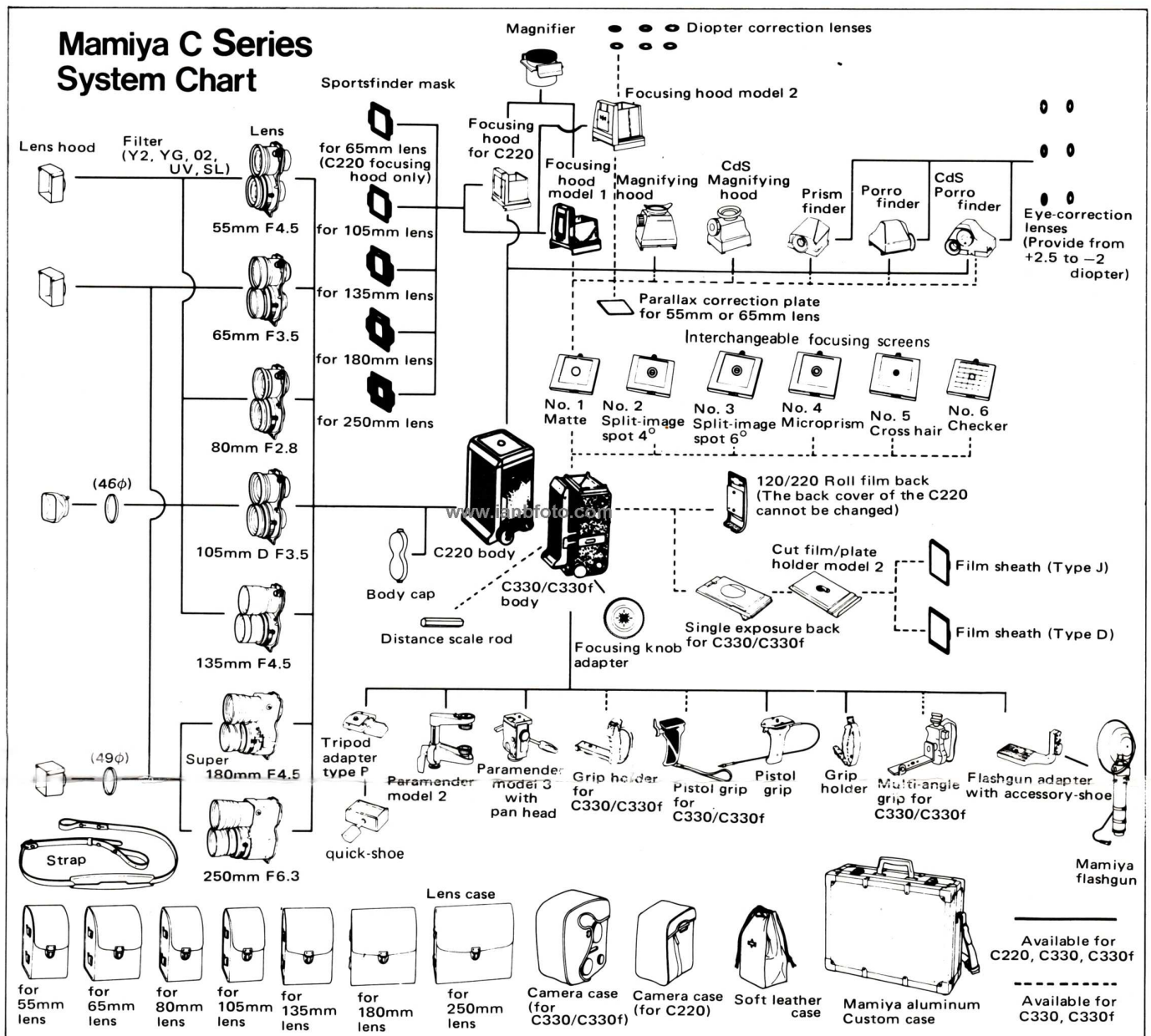
There are now two types of Mamiya C cameras: the C330f, which has highly advanced features, and the C220 with the lightweight body. The C330f has all the advanced features required by the professional and advanced amateur photographer. The C220 has been simplified so there are no obstacles to practical use; therefore, some experienced Mamiya C users prefer the C220 for its simple operation.

The C220 is also 500 grams lighter than the C330f so some prefer it also as a second camera for different film or lens. The C330f and C220 differ in the 10 points listed in the chart below. Otherwise, the two cameras are exactly the same. And almost all the system accessories, with the exceptions of focusing screens and some grips, can be used by both cameras.



### Differences between Mamiya C330f and Mamiya C220

Item	Mamiya C330f	Mamiya C220
Film Wind	Crank winding, 360°	Knob winding. Built-in folded crank
Shutter Charge	Self-cocking (except 250mm lens)	Manual charging
Shutter Release Button	At bottom front of body and on side of front plate	On side of front plate
Focusing Screen	Interchangeable	Fixed
Focusing Hood	With supporting columns with 65 and 80mm frame finders	Without supporting columns, with 80mm frame finder
Parallax Correction	Automatic	Scale in focusing screen
Distance Scale	Hexagonal rod (convertible according to lens)	Graph type
Exposure Compensation	Automatically indicated in the finder	Read from distance scale plate
Film Counter	120/220 automatic conversion	120/220 manual conversion
Back Cover	Removable (single-exposure possible with cut film and dry plates)	Fixed



## Specifications of Mamiya C330f and C220 [www.ianbfoto.com](http://www.ianbfoto.com)

### Mamiya C330f

**Films:** 120 roll film (12 exposures, 6 × 6)  
220 roll film (24 exposures, 6 × 6)  
Changeover by 90° turn of the pressure plate.

**Lens (standard):** Mamiya-Sekor 80mm f2.8  
(5 elements in 3 groups, 50°40')

**Shutter:** Seikosha-S #0  
(B, 1 - 1/500 sec, MX synchronization)  
Shutter is automatically clocked when film is advanced. Two shutter release buttons - one on side of body and another on front of body.

**Focusing:** Front extension system by rack-and-pinion with dual focusing knobs.

**Viewfinder Hood:** Removable and replaceable by other types of finders. Interchangeable focusing screen.

**Film Wind:** By winding crank, self-cocking type. Double exposure prevention device. (override possible)

**Exposure Counter:** Automatic re-set.

**Other Features:** Single exposure possible with interchangeable back cover.  
Revolving hexagonal type distance scale.

**Dimensions:** 122(W) × 168(H) × 114(D)mm.

**Weight:** 1,700 grams (with 80mm lens)

### Mamiya C220

**Films:** 120/220 roll film (12/24 exposures, 6 × 6)

**Lens (standard):** Mamiya-Sekor 80mm f2.8

**Shutter:** Seikosha-S #0

**Focusing:** Front extension system by rack-and-pinion with dual focusing knobs. Removable and replaceable.

**Viewfinder Hood:** By ratchet knob. Double exposure prevention device. (override possible)

**Film Wind:** Automatic re-set.

**Other Features:** Parallax and exposure compensation scale.

**Dimensions:** 118(W) × 167(H) × 113(D)mm.

**Weight:** 1,440 grams (with 80mm lens)

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