

# Mamiya C220f C330S

Twin-Lens Reflex  
Camera System











## Mamiya 6x6 Twin-Lens Reflex Camera System

From its beginning in 1957, the Mamiya twin-lens reflex camera system has earned a reputation for solid dependability among both professional and advanced amateur photographers.

Designed to handle the many challenges which face serious photographers with ease and versatility, the Mamiya twin-lens system is equally capable of handling portrait work, sporting events, weddings, or any occasion when the assignment calls for high-quality medium-format images.

Mamiya is the only twin-lens camera system on the market today that offers the photographer a complete system of interchangeable lenses plus a full range of accessories to handle almost every photographic assignment or need.

Mamiya continues to be the leader in new product developments for twin-lens reflex systems. The Mamiya C330S incorporates automatic features for quick and easy operation. The simplified C220f is recommended as the perfect camera for those photographers with a modest budget but strong interest in medium-format photography.



# Mamiya C330S

## Nomenclature

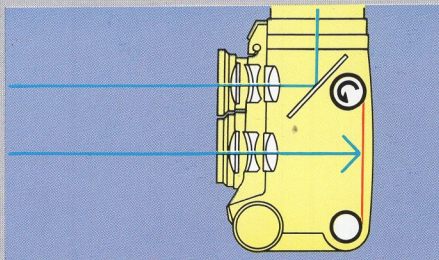
1. Exposure counter
2. Multiple exposure dial
3. Film advance crank
4. Shutter release button (upper)
5. Aperture control knob
6. Focusing knob
7. Focusing hood
8. Sportsfinder frame
9. Lens clamp bracket
10. Synchro socket
11. M-X synchro selector
12. Shutter speed ring
13. Aperture ring
14. Shutter cocking lever
15. Shutter release button (lower) with cable release socket
16. Neck strap lug
17. Accessory shoe
18. Lens lock knob
19. Distance scale revolving knob
20. Distance scale window
21. Focusing knob fixing lever
22. Spool change knob (lower)
23. Magnifier
24. Eye opening for sportsfinder
25. Focusing hood lock screw
26. Back cover open knob/spool change knob (upper)
27. Back cover lock button
28. Parallax correcting dial
29. Film type index (120/220)
30. Memo holder



35mm Format and 6x6cm Film Format



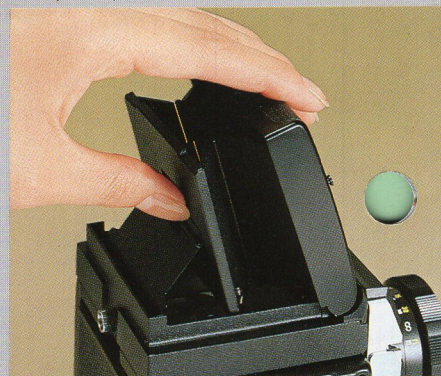
Two Shutter Release Buttons



Straight Film Path



Multiple Exposure Dial



Single-Action Focusing Hood



# Mamiya C330S Features

## 6x6cm Film Format

The picture size is a perfect square-6x6cm (actual image size 56x56mm). This is about four times the area of the picture size obtained with the 35mm format. This larger image area results in sharper prints or transparencies and superior enlargements.

## 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 provided on the camera front.

## Straight Film Path

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

## Multiple Exposure

In normal use, the double-exposure prevention device serves to prevent the shutter from operating unless the film has been advanced to the next frame. To override this system for multiple-exposure photography, simply position the exposure dial to the "MULTI" setting.

## Single-Action Focusing Hood

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

## Easy-to-Read Distance Scale

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

## Rack-and-Pinion Type Bellows

Focusing is accomplished by a bellows mounted on a sturdy rack-and-pinion gear. This original Mamiya design allows for close-up photography without attachments; as close as 354mm (14 inches) with the standard 80mm f/2.8 lens.

## Interchangeable Focusing Screens

Seven focusing screens, including the standard Type A Matte, are available for the Mamiya C330S to match any shooting situation. All screens have close-up exposure factor scales indicating the required exposure compensation.

## Automatic Parallax Compensation and Exposure Factor Indicator

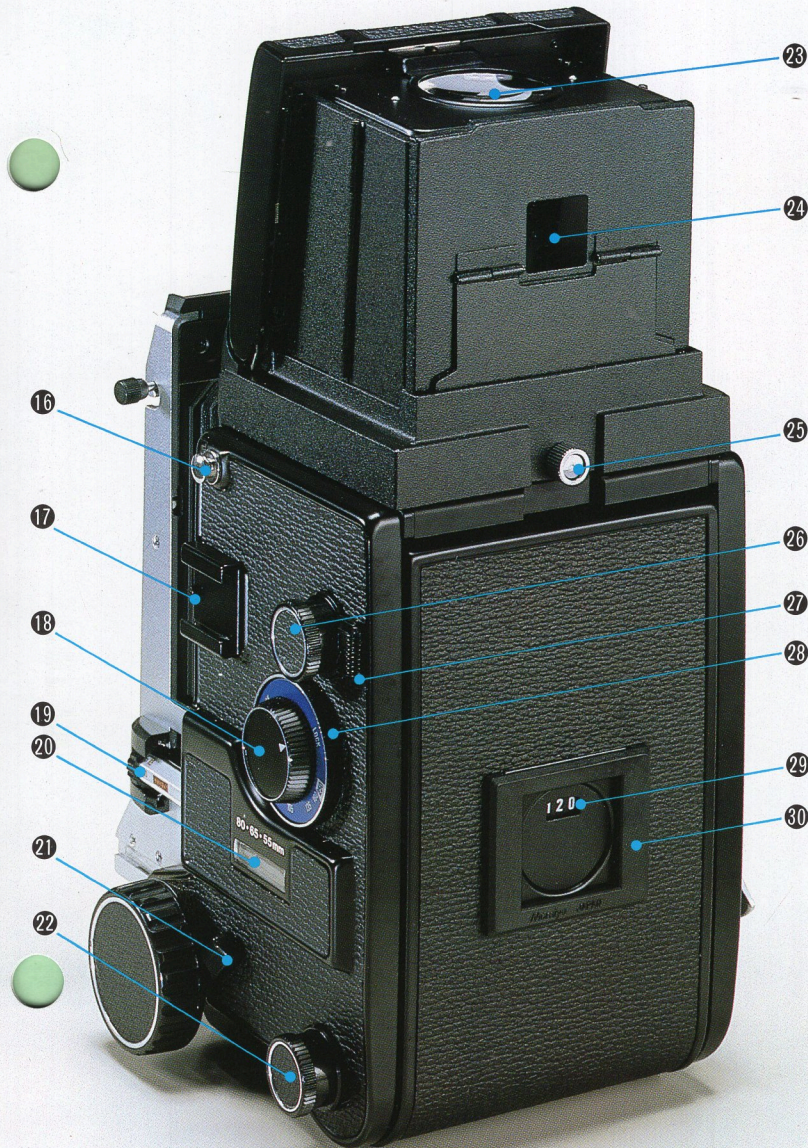
Parallax compensation for the various interchangeable lenses and the exact exposure compensation factor are automatically indicated by a bar in the viewing screen.

## Full-Synchro Electronic Flash at All Speeds

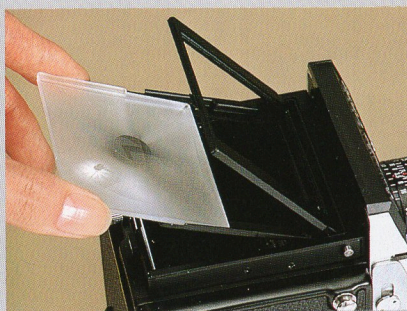
Through the use of lens shutters, the electronic flash can be synchronized at all shutter speeds from B, 1 — 1/500 sec., allowing full creative use of flash photography.

## Speedy Film Size Changing

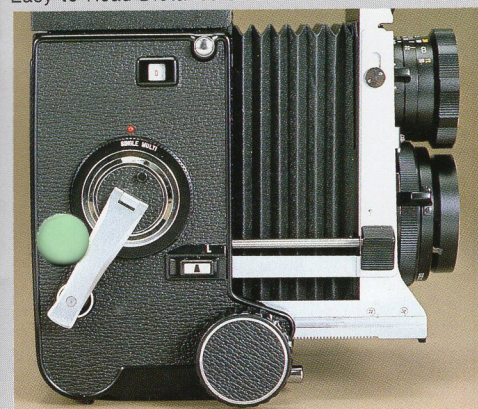
Turning the film pressure plate 90 degrees will permit speedy changing to either 120 (12 exposures) or 220 (24 exposures) film while ensuring the highest standards of film flatness for either type.



Easy-to-Read Distance Scale



Interchangeable Focusing Screen



Rack-and-Pinion Type Bellows



Viewing Screen





Wide-angle 65mm f/3.5

Telephoto 135mm f/4.5

Standard 105mm f/3.5 DS

Telephoto 180mm f/4.5

Standard 80mm f/2.8S





# Mamiya C330S/C220f Interchangeable Lenses

Mamiya has the only interchangeable lens system in the world for twin-lens reflex cameras. This system of lenses extends the capabilities of the Mamiya twin-lens reflex cameras resulting in a remarkably versatile camera system.

Just match the lens to the application and shoot. All lenses have built-in shutters with speeds from 1 to 1/500 second plus B for time exposures. M-X flash synchronization is possible at all shutter speeds.

The 105mm f/3.5 DS lens has diaphragms on the viewing lens, enabling you to observe the depth-of-field on the focusing screen. In addition, this lens has a built-in self-timer.

## Specifications of Lenses

Lens	Angle of view	Magnification (based on 80mm lens)	Minimum aperture	Minimum focusing distance (mm)			
55mm f/4.5	70°30'	0.69x	f/22	241	64x64	9	330
65mm f/3.5	63°	0.81x	f/32	271	67x67	6	340
80mm f/2.8S	51°45'	1x	f/32	354	87x87	4	310
105mm f/3.5DS	41°20'	1.32x	f/32	584	184x184	5	360
135mm f/4.5	33°	1.68x	f/45	902	252x252	4	370
180mm f/4.5	24°30'	2.25x	f/45	1290	275x275	5	620
250mm f/6.3	18°	3.12x	f/64	2050	311x311	6	630
Minimum subject coverage (mm)							
Number of elements							
Filter size (mm)							
Weight (g)							

oto 250mm f/6.3



Wide-angle 55mm f/4.5



# Mamiya C330S/C220f Interchangeable Viewfinders, Hoods and Accessories

## Prism Finder

When the Prism Finder is used in place of the focusing hood, the image on the ground-glass focusing screen is laterally correct. The Prism Finder is an ideal accessory for eye-level candid shots. Magnification is approximately 2.5 times.

## CdS Magnifying Hood

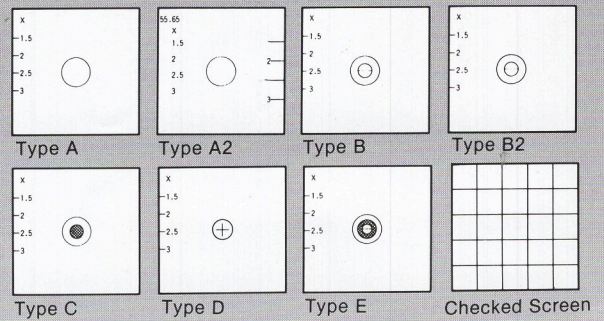
The 3.4x CdS Magnifying Hood provides a reliable through-the-lens exposure reading. It interchanges with other Mamiya finders.

## Diopter Lenses and Eye Correction Lenses

The focusing hood has been designed to accept easily interchangeable diopter correction lenses. The  $-1.5$  diopter lens is standard and 5 additional types ranging from  $+2$  to  $-3$  diopter are available. Eight types of eye correction lenses from  $+2.5$  to  $-2$  diopter are available for the Prism Finder and the CdS Porrofinder.







#### Interchangeable Focusing Screens

Seven focusing screens, including the standard Type A Matte are available for the Mamiya C330S. The Checked Screen — a thin transparent screen with a grid — is also available to help you compose your photographs.

Type A: Matte

Type A2: Matte for wide-angle lens

Type B: Rangefinder Spot 4°

Type B2: Rangefinder Spot 6°

Type C: Microprism

Type D: Cross Hair

Type E: Rangefinder Microprism

Checked Screen

#### Multi-angle Grip

This rugged grip with a trigger release in the handle facilitates steady hand-holding of the C330S at slow shutter speeds. Click stops secure the camera firmly throughout the full range of 360 degrees.

#### Pistol Grip

The trigger type shutter release button is coupled to the shutter and forms a convenient Pistol Grip for the C330S. The Pistol Grip with Cable Release is also available for the C220f.

#### Paramender Model 2

Used for parallax-correction, the Paramender lifts the camera when the lever is operated. The taking lens is shifted into the exact position previously occupied by the viewing lens.

#### Focusing Knob Adapter DSM-2/DSF-2

This adapter attaches to the focusing knob and facilitates precise focusing. Focus distances can be read easily using the distance scales (for 65, 80 and 105mm lenses) that come with the adapter.

#### Mamiya Aluminum Custom Case

The Mamiya Custom Case is a smart, portable, luggage-type aluminum case with a foam-lined interior. The Custom Case is designed to easily carry the camera, interchangeable lenses, and other accessories while providing a full measure of protection. The case measures 47 x 35 x 17cm and weighs 3.7kg.







## Simplified Operation Mamiya C220f

The Mamiya C220f is a simplified version of the Mamiya C330S twin-lens reflex camera. Easy to use, the Mamiya C220f is the ideal camera for general entry level photography. The C220f utilizes the complete line of C330S lenses and viewfinders and also accepts almost all the C330S accessories with the exception of focusing screens and some grips.

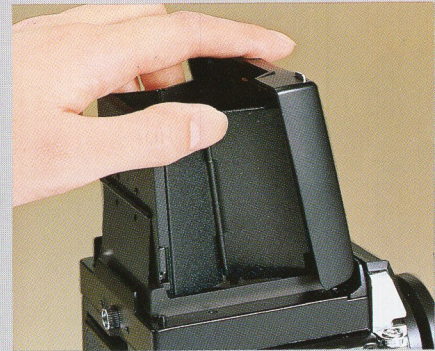
**Ratchet Film Advance Knob** can be operated by several small turns of the knob while keeping the fingers on the knob.

**Single-Action Focusing Hood** opens and closes at a touch. The unique design seals off light for more precise viewing and focusing.

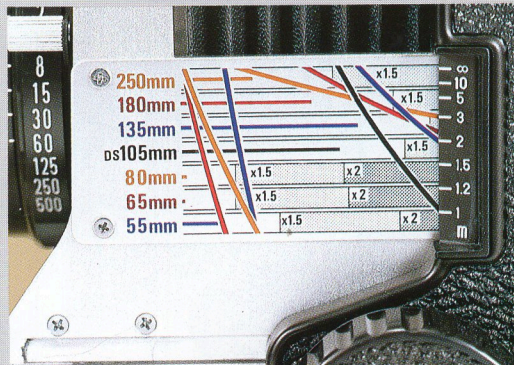
**A Distance Scale** chart is attached to the body. This chart enables the photographer to read the subject distance and also provides data on exposure compensation.



Ratchet Film Advance Knob



Single-Action Focusing Hood



Distance Scale, Parallax and Exposure Factor Indicator





# Mamiya

## C330S/C220f

### Systems Chart

Interchangeable lenses and a full line of accessories are available for the C330S and C220f to help you broaden the scope of your photography. Please consult the system chart below when choosing the lenses and accessories to fit your needs.

1. Lens hood for 55mm lens
2. Lens hood for 65mm lens
3. Lens hood for 80, 105, 135mm lenses
4. Lens hood for 180 and 250mm lenses
5. Filters 49mm  $\phi$ : SY48(Y2), SO56(O2), SL39(UV), SL-1B(SL) and YG
6. 55mm f/4.5 Wide-angle lens
7. 65mm f/3.5 Wide-angle lens
8. 80mm f/2.8S Standard lens
9. 105mm f/3.5DS Standard lens
10. 135mm f/4.5 Telephoto lens
11. 180mm f/4.5 Telephoto lens
12. 250mm f/6.3 Telephoto lens
13. Body cap
14. Focusing knob adaptor DSM-2/DSF-2
15. Diopter lenses (+2 to -3 diopter)
16. Focusing hood H3
17. Focusing hood for C330S
18. CdS magnifying hood
19. Prism finder
20. Eye correction lenses (+2.5 to -2 diopter)
21. Focusing screen Type A: Matte
22. Focusing screen Type A2: Matte for wide-angle lens
23. Focusing screen Type B: Rangefinder Spot 4°
24. Focusing screen Type B2: Rangefinder Spot 6°
25. Focusing screen Type C: Microprism
26. Focusing screen Type D: Cross Hair
27. Focusing screen Type E: Rangefinder Spot/Microprism
28. Checked screen
29. C220f body
30. C330S body
31. Quick-shoe Model 2
32. Pistol grip Model 2
33. Multi-angle grip
34. Paramender model 2
35. Pistol grip with cable release
36. Grip holder
37. Lens case for 55, 80, 105mm lenses
38. Lens case for 65 and 135mm lenses
39. Lens case for 180mm lens
40. Lens case for 250mm lens
41. Soft lens case
42. Camera case for C330S
43. Camera case for C220f
44. Compartment case
45. Mamiya aluminum custom case
46. Strap
47. Finder masks for 65, 105, 135, 180, 250mm lens

Available for both C330S/C220f

Available for C330S only



# Specifications of Mamiya C330S/C220f

Model	C330S	C220f
Picture size	56x56mm (actual picture area)	56x56mm (actual picture area)
Film size	120 roll film (12 exposures) 220 roll film (24 exposures) Changeover by 90° turn of the pressure plate.	120 roll film (12 exposures) 220 roll film (24 exposures) Changeover by 90° turn of the pressure plate.
Lens (standard)	Mamiya-Sekor 80mm f/2.8 S	Mamiya-Sekor 80mm f/2.8 S
Shutter	Seiko #0 (B, 1 — 1/500 sec., M-X synchronization). Shutter is automatically cocked when film is advanced. Two shutter release buttons — one on side of body and another on front of body.	Seiko #0 (B, 1 — 1/500 sec., M-X synchronization). Side shutter release only.
Focusing	Front extension system by rack-and-pinion with dual focusing knob.	Front extension system by rack-and-pinion with dual focusing knob.
Viewfinder hood	Removable and replaceable by other types of finders. Interchangeable focusing screen.	Removable and replaceable by other types of finders.
Film wind	By winding crank, self-cocking type. Double exposure prevention device.	By ratchet knob. Double exposure prevention device (override possible).
Exposure counter	Automatic re-set. (120/220 Changeover by turning the pressure plate.)	Automatic re-set. (120/220 Changeover by turning the pressure plate.)
Other features	Revolving hexagonal type distance scale. Automatic parallax compensation indicator.	Parallax and exposure compensation scale.
Dimensions	123(W) x 171(H) x 113(D) mm	123(W) x 172(H) x 113(D) mm
Weight	1,650 grams (with 80mm f/2.8 S lens).	1,500 grams (with 80mm f/2.8 S lens).

**Note:** In order to improve product quality, changes in functions and appearance may be made without notice.

## Mamiya



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