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CANON CAMERA COMPANY, INC. TOKYO, JAPAN

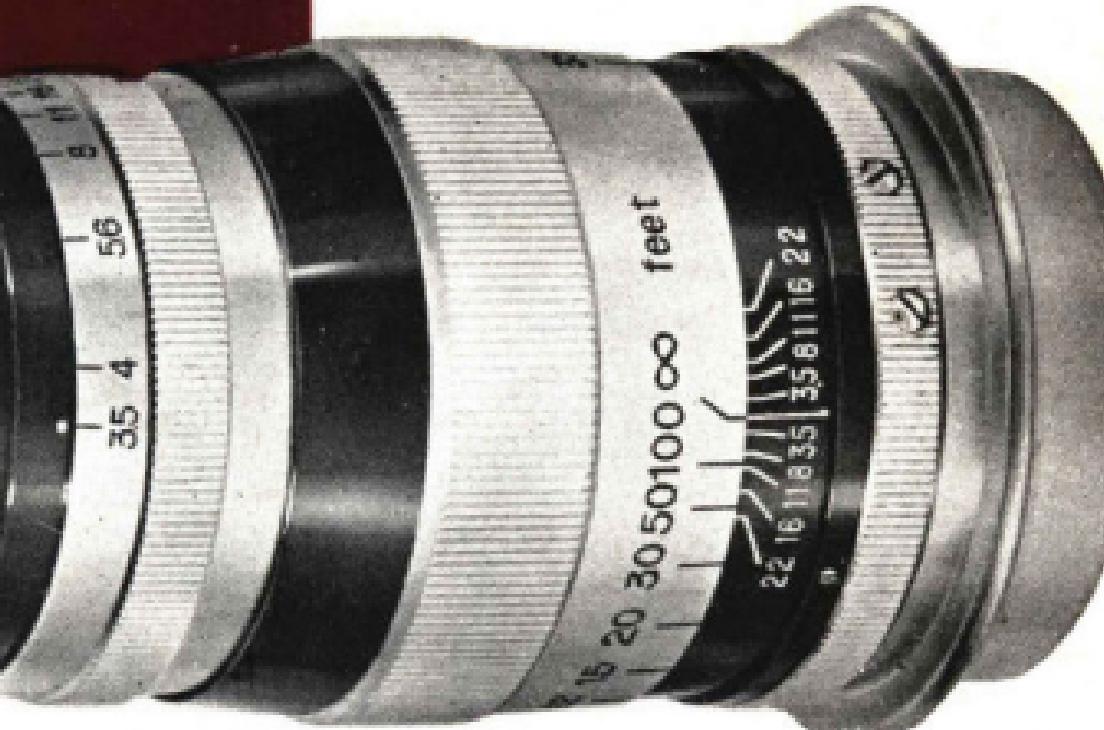
No. 202 (J M C -7) L 1 series

2 M

10-52

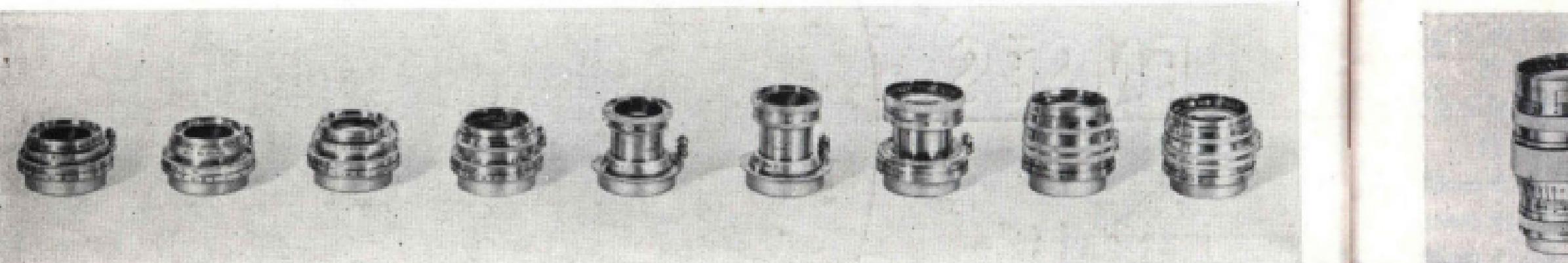
Canon- Serenar LENSES

directions and tables



— — Canon

Canon Interchangeable CANON-SERENAR Lenses



28 mm

f : 3.5

35 mm

f : 3.5

35 mm

f : 3.2

35 mm

f : 2.8

50 mm

f : 3.5

50 mm

f : 3.5

50 mm

f : 1.9

50 mm

f : 1.8

50 mm

f : 1.5

See page 18

page 21

page 22

page 23

page 26

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Canon Interchangeable SERENAR Lenses



85 mm

f : 2

85 mm

f : 1.9

85 mm

f : 1.5

100mm

f : 3.5

100mm

f : 4

135mm

f : 4

135mm

f : 3.5

See page 33

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DESCRIPTIONS

Parallax-compensating Scale



6

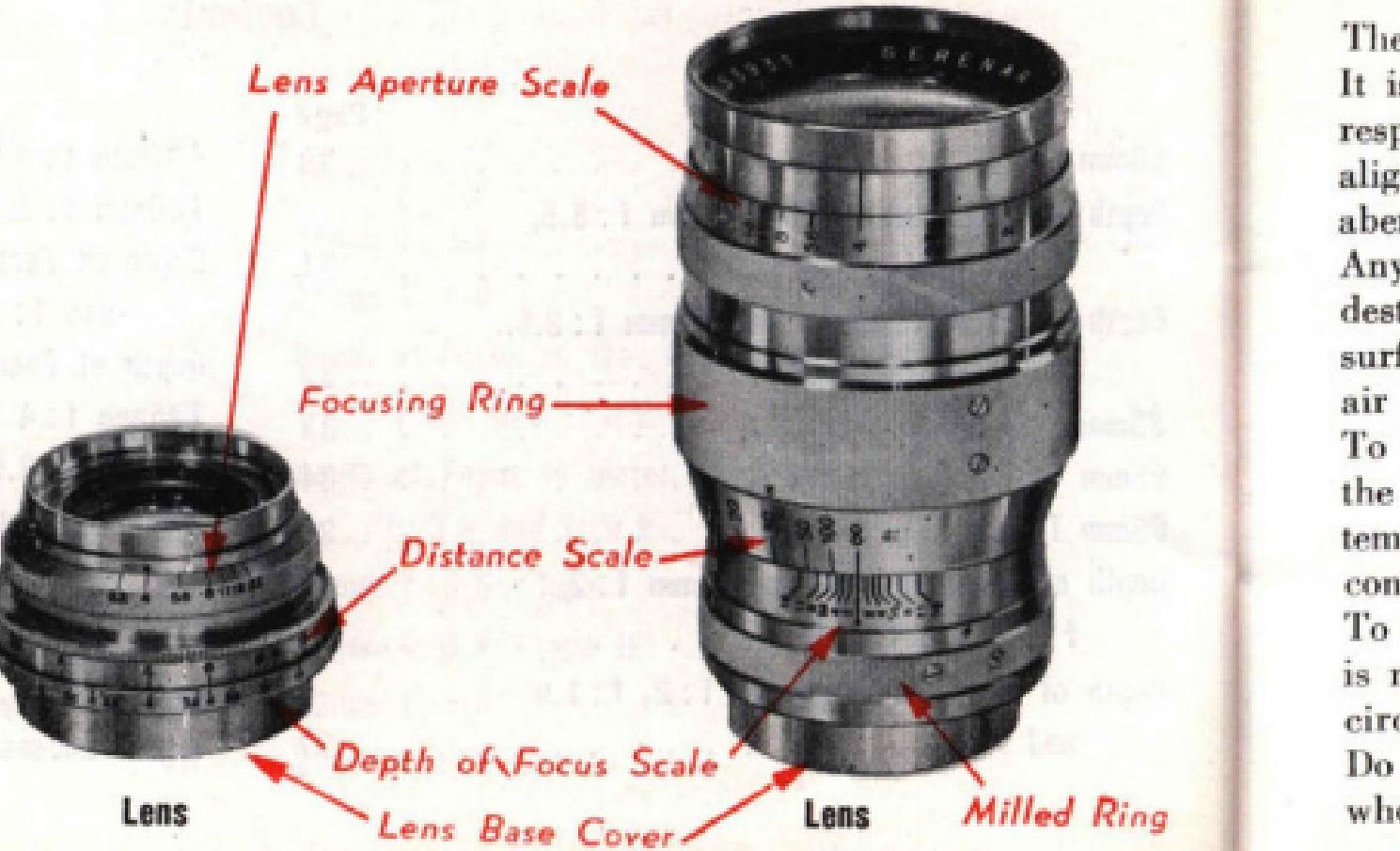
Special Viewfinder

Focusing Lever



7

Lens Aperture Scale



The CANON-SERENAR LENS has been acclaimed by many experts as the finest lens in its class today. It is a precision instrument as carefully constructed as the CANON CAMERA itself. Treat it with respect. It has been accurately set and aligned by hand and final settings are made with microscopic alignment instruments. ALL CANON-SERENAR LENSES are rigidly checked for resolving power and lens aberrations—spherical, coma, astigmatic, curvature of field, distortion, chromatic—and color definition. Any lens that does not come up to our very high standards in any one of these tests is immediately destroyed. A coating harder than optical glass (ultra-hard coating) has been applied to both external surfaces of the lens as protection against scratches etc. Soft-coating has been applied on all inner air surfaces. These coatings eliminate flare and increase the sharpness of the image. To obtain the very best results always keep your lens free from dust, fingerprints and moisture. When the camera is not in use keep the lens cap in place. Do not subject the lens to sudden extremes of temperature, and never store in hot humid places, without taking precautions to eliminate moisture in containers by using silica gel.

To clean lens surfaces use only a fine soft brush or reliable lens cleaning tissue. If further cleaning is necessary use a drop of lens cleaner fluid on the tissue or lint-free cloth. Always wipe in a gentle circular motion.

Do not endeavour to open up the lens. If there is anything wrong return the lens to your dealer who will forward it to the exporters for attention by the manufacturer.

NOTE: ALL CANON-SERENAR LENSES ARE COUPLED WITH RANGEFINDER.

7

A CANON-SERENAR lens for every Purpose

The series of pictures on next page were all taken, from the same spot, with a CANON camera, using CANON-SERENAR lenses of different focal lengths. Note the extreme range of coverage available in these lenses without loss of the fine detail expected in good photography.

Now everyone, amateur and professional, can do selective photography with a CANON-SERENAR lens to meet every requirement. With the CANON UNIVERSAL VIEWFINDER or with the viewfinders furnished with the accessory lenses select the view you desire and the corresponding lens will record it for you.



28mm



35mm



50mm



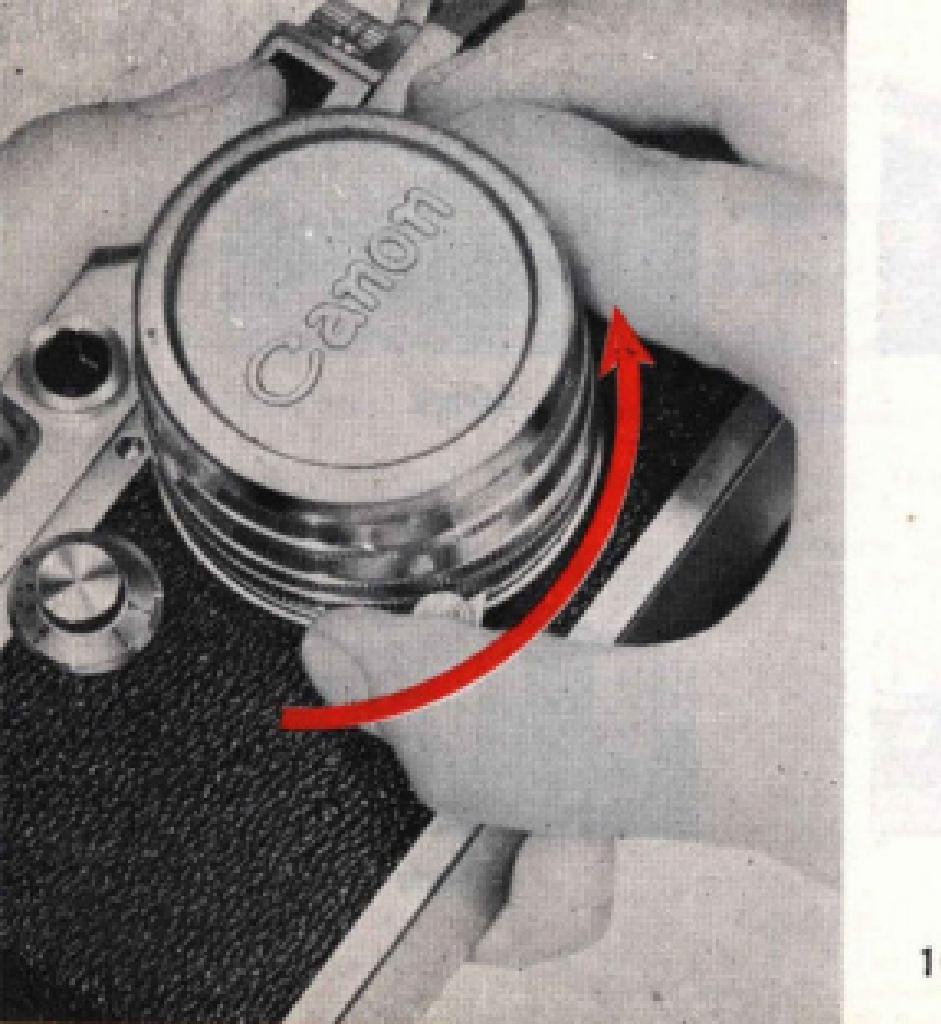
85mm



100mm



135mm



TO DISMOUNT LENS

Place the camera on its back in your hand and unscrew the lens by grasping its base. This can be done with the lens in either the extended or retracted position. Give a slight jerking motion at first to loosen the lens as it is firmly screwed into the lens flange. After loosening, unscrew gently from the camera. The use of Focusing Lever will be helpful by locking it into the Infinity Catch for those with focal length of 50 mm or less. Avoid dismounting except by the base only, otherwise the lens may be thrown out of alignment. Oiling or greasing the fine thread should also be avoided. Do not temper with the lens under any circumstances. Always dismount the lens with the lens flange of the camera completely shaded.

TO MOUNT LENS

Unscrew the cover from the base of the lens. Next hold the camera in the same manner as described in the preceding page and introduce the lens to the lens flange of the camera. Search the entrance of the thread at first by turning the lens counter-clockwise slightly and then screw clockwise into the flange until you come to a stop. When reaching this point, exert more turning pressure by grasping the base of the lens. Should the thread of the lens turn hard or bind, unscrew the lens as you have crossed the thread. Introduce the lens squarely and no trouble will ensue.

DO NOT ATTEMPT TO TIGHTEN THE LENS INTO THE FLANGE BY GRASPING ANY OTHER PART BUT THE BASE.



NOTE:

Do not face the lens flange of the camera to strong light during the interchange of lenses. It is advisable to shield the lens flange of the camera completely with your body or by some other means while the other lens is being prepared.



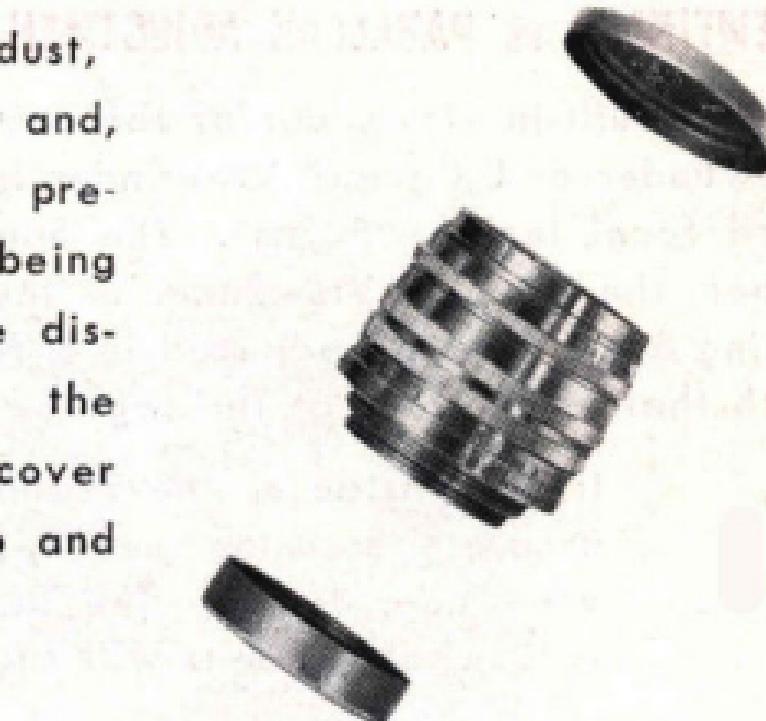
Lens Mount Cover



Plastic Lens Case

NOTE:

In order to keep dust, sand, and lint away and, to protect the fine precision thread from being damaged screw the dismounted lens into the Plastic Lens Case or cover it with its Lens Cap and Lens Base Cover.



Lens Cap and Base Cover

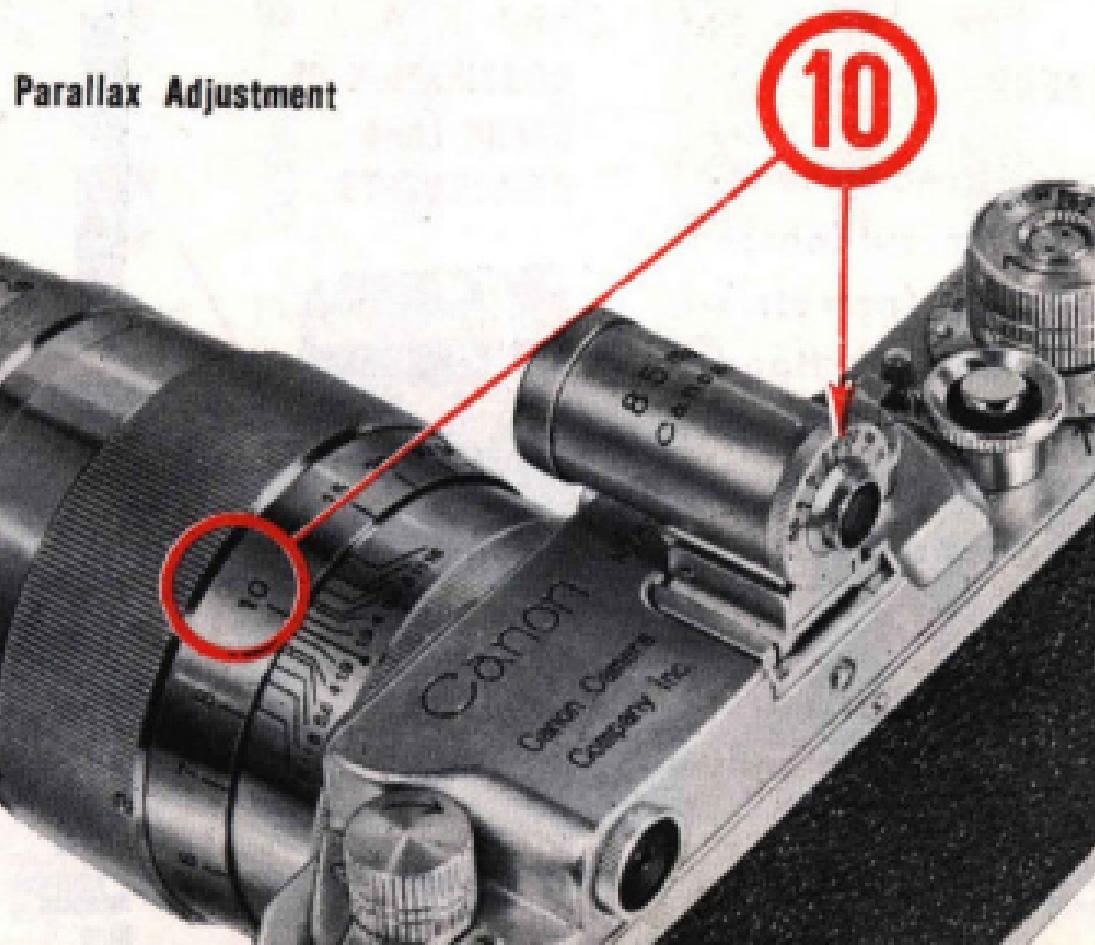
VIEWFINDER vs PARALLAX ADJUSTMENT

As the built-in viewfinder of the camera has no device for parallax adjustment, a Special Viewfinder or Universal Viewfinder is recommended for all lenses except those with standard focal length (50mm). The Special Viewfinder is supplied with all accessory lenses. When the Special Viewfinder or the Universal Viewfinder is used the Parallax-compensating Scale must be adjusted in order to have the optical axis of the Viewfinder intersect with that of the lens at the focused subject.

If, for instance, the reading of the Distance Scale of the lens is 10 feet after accurate focusing (see next page), set the Parallax-compensating Scale of the Viewfinder to 10. The field you then see through the Finder will be identical with what the lens will register on a film frame.

Note: The lens and Viewfinder are not mechanically connected, therefore remember to adjust the latter before making an exposure.

Parallax Adjustment

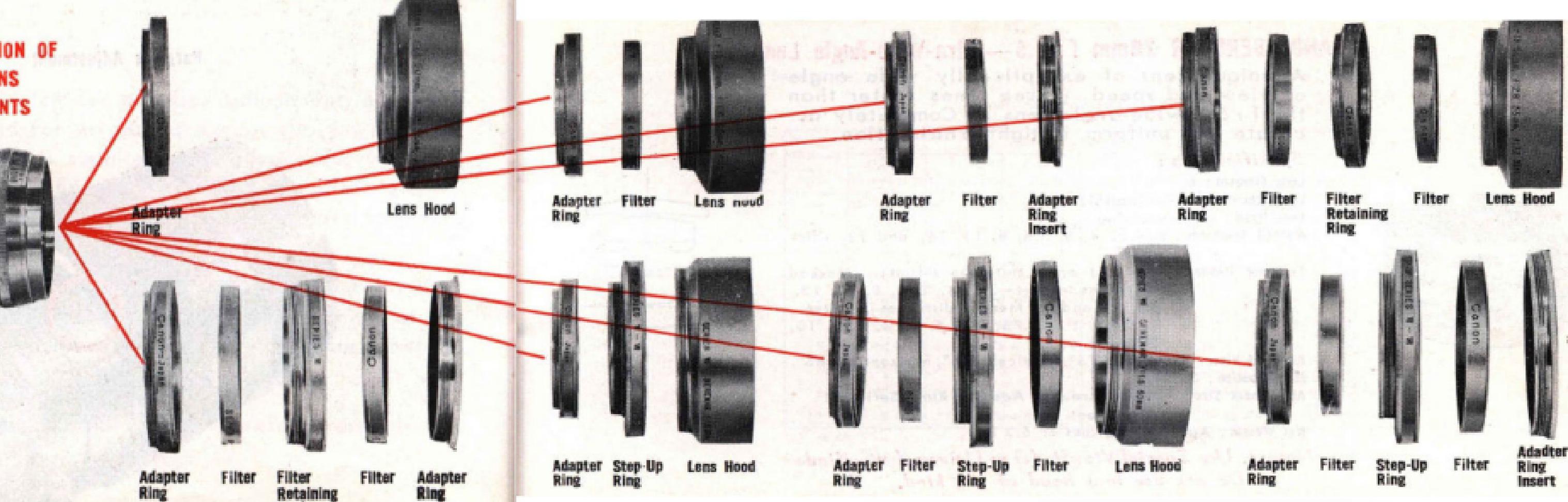


LENS HOOD & FILTERS

The use of lens hood is recommended at all times—indoors or outdoors—to keep undesirable light from striking the lens. All Canon Lens Hoods are furnished with Adapter Rings. The use of a filter is most effective also on certain occasions.

Note: The appropriate filter for the film used may be ascertained from the film manufacturers recommendations.

COMBINATION OF CANON LENS ATTACHMENTS



N-SERENAR 28mm f:3.5—Ultra-Wide-Angle Lens

que lens of exceptionally wide angle of view and speed (three times faster than 6.3 wide-angle lens). Completely accurate and uniform in light transmission.

Applications :

ent: 6.

3. Non-collapsible:

Non-revolving

features: f: 3.5, 4, 5, 5.6, 8, 11, 16, and 22. Click stops.

Range : 3.5 feet or 1 meter to infinity. Marked distances in feet—3.5, 4, 5, 6, 8, 10, 15, 25, 50, and ∞ . Marked distances in meter—1, 1.25, 1.5, 1.75, 2, 2.5, 3, 4, 5, 7, 10, 20, and ∞ .

view: Total field 25°; vertically 46°, horizontally 65°.

$\eta = 0.5\delta x$

Size: 34mm Screw-in Adapter Ring; Series VI
Attachment.

Appr. 175 grams or 6.2 oz.



Depth of focus in

Canon-S.

Distance focused on (ft)	Circle of Confusion = 0.035mm										
	f : 3.5	f : 4	f : 5.6	f : 8	f : 11	f : 16	f : 22				
∞	22- 1	∞	19- 4½	∞	13-10½	∞	9- 9½	∞	7- 2½	∞	4-11½
50	15- 4	∞	13-11½	∞	10-10½	∞	8- 11½	∞	6- 2½	∞	4- 5½
25	11- 9½	∞	10-11½	∞	8-11½	∞	7- 4½	∞	5- 6½	∞	4- 1½
18	8-11½	46- 1	8- 6½	65-	7- 3½	∞	5-11½	∞	4-10½	∞	3- 8½
10	6-11½	18- 4	6- 7½	20- 4½	5-10½	35-	4-11½	∞	4- 2½	∞	3- 4½
8	5-11½	12- 4½	5- 8½	13- 5½	5- 11½	19- 5½	4- 5½	13-	3- 9½	∞	3- 1½
6	4- 9½	8- 1½	4- 7½	8- 6½	4- 2½	10- 4	3-9½	15- ½	3- 3½	35- 6	2- 9½
5	4- 1½	6- 4½	4- 4½	6- 7½	3- 8½	7- 7½	3- 4½	9-11½	3-	15-10½	2- 6½
4	3- 5½	4- 9½	3- 4½	4- 11½	3- 11½	6- 6	2-10½	6- 6½	2- 7½	8- 8½	2- 3½
3.5	3- 1½	4- 11½	3	4- 2½	2-10½	4- 7	2- 7½	5- 3½	2- 4½	6- 6½	2- 1½

Depth of focus in meter :

Canon-Serenar 28mm f:3.5

Distance focused on (m)	Circle of Confusion = 0.035mm													
	f: 3.5	f: 4	f: 5.6	f: 8	f: 11	f: 16	f: 22							
m-cm to m-cm	m-cm to m-cm	m-cm to m-cm	m-cm to m-cm	m-cm to m-cm	m-cm to m-cm	m-cm to m-cm	m-cm to m-cm							
∞	6-700	∞	5-800	∞	4-200	∞	2-900	∞	2-100	∞	1-500	∞	1-100	∞
20	5-50	∞	4-650	∞	3-800	∞	2-600	∞	1-950	∞	1-400	∞	1-50	∞
10	4-40	∞	3-720	∞	2-980	∞	2-290	∞	1-790	∞	1-310	∞	0-950	∞
7	3-450	∞	3-220	∞	2-650	∞	2-90	∞	1-600	∞	1-240	∞	0-950	∞
5	2-800	19-150	2-720	32-260	2-310	∞	1-800	∞	1-520	∞	1-160	∞	0-910	∞
4	2-510	9-720	2-400	12-230	2-70	71-520	1-720	∞	1-420	∞	1-100	∞	0-870	∞
3	2-90	5-340	2-05	6-10	1-770	10-90	1-510	∞	1-275	∞	1-15	∞	0-820	∞
2.5	1-840	3-92.5	1-77.0	4-27.5	1-59.0	5-98.0	1-37.5	15-6.5	1-18.0	∞	0-91.5	∞	0-78.0	∞
2	1-55.5	2-81.0	1-51.0	2-98.0	1-37.5	3-71.5	1-21.5	5-90.0	1-6.0	22-87.0	0-87.5	∞	0-72.5	∞
1.75	1-40.0	2-33.5	1-36.5	2-45.0	1-25.0	2-92.0	1-12.0	4-11.5	0-99.0	8-46.5	0-82.5	∞	0-69.5	∞
1.5	1-23.0	1-90.5	1-20.0	1-98.1	1-12.3	2-27.5	1-1.5	2-92.1	0-90.5	4-59.5	0-77.0	110-0	0-65.4	∞
1.25	1-6.5	1-51.5	1-4.4	1-56.2	0-97.9	1-73.7	0-89.7	2-9.0	0-81.2	2-80.5	0-70.2	6-63.5	0-61.5	∞
1	0-88.0	1-15.2	0-85.6	1-18.6	0-82.2	1-28.2	0-76.4	1-46.1	0-70.2	1-77.1	0-62.0	2-75.5	0-54.5	8-51.2

28 mm

1 M.



CANON-SERENAR 35mm f:3.5—Wide-Angle Lens

A wide angle lens of Tessar type. Its delineation is already too well known. Sure to give the user a perfect satisfaction.

Specifications :

Lens Element : 4.

Lens Mount : Non-collapsible.

Lens Head : Non-revolving.

Marked Apertures : f: 3.5, 4, 5.6, 8, 11, 16, and 22.

Focusing Range : 3.5 ft to infinity. Marked distances : 3.5, 4, 5, 6, 8, 10, 15, 25, 50, and ∞.

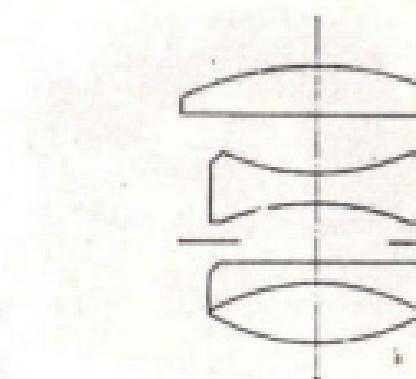
Angle of View : Total field 64°, vertically 37°, horizontally 54°.

Magnification : 0.7x.

Attachment Size : 36mm Screw-in Adapter Ring; Series VI Attachment.

Net Weight : Appr. 185 grams or 6.5 oz.

Note : Use Special Viewfinder or Universal Viewfinder.





CANON-SERENAR 35mm f:3.2—Wide-Angle Lens

Completely corrected, giving a beautiful even exposure.

Specifications:

Lens Element: 6.

Lens Mount: Non-collapsible.

Lens Head: Non-revolving.

Marked Apertures: f: 3.2, 4, 5.6, 8, 11, 16, and 22. Click stops.

Focusing Range: 3.5 feet or 1 meter to infinity. Marked distances in feet—3.5, 4, 5, 6, 8, 10, 15, 25, 50, and ∞ . Marked distances in meter—1, 1.25, 1.5, 1.75, 2, 2.5, 3, 4, 5, 7, 10, 20, and ∞ .

Angle of View: Total field 64°; vertically 37°, horizontally 54°.

Magnification: 0.7x.

Attachment Size: 34mm Screw-in or 36mm Slip-on Adapter Ring; Series VI Attachment.

Net Weight: Appr. 185 grams or 6.5 oz.
Note: Use Special Viewfinder or Universal Viewfinder.



CANON-SERENAR 35mm f:2.8—Wide-Angle Lens

Probably the fastest lens of this focal length group. It has been designed on CANON's own formula. Excellent for colour and black-and-white negatives.

Specifications:

Lens Element: 6.

Lens Mount: Non-collapsible.

Lens Head: Non-revolving.

Marked Apertures: f: 2.8, 4, 5.6, 8, 11, 16, and 22. Click stops.

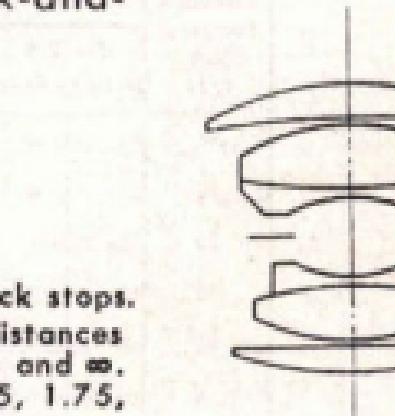
Focusing Range: 3.5 feet or 1 meter to infinity. Marked distances in feet—3.5, 4, 5, 6, 8, 10, 15, 25, 50, and ∞ . Marked distances in meter—1, 1.25, 1.5, 1.75, 2, 2.5, 3, 4, 5, 7, 10, 20, and ∞ .

Angle of View: Total field 64°; vertically 37°, horizontally 54°.

Magnification: 0.7x.

Attachment Size: 34mm Screw-in or 36mm Slip-on Adapter Ring; Series VI Attachment.

Net Weight: Appr. 195 grams or 6.9 oz.
Note: Use Special Viewfinder or Universal Viewfinder.



Depth of focus in feet :

100 ft. 200 ft. 300 ft. 400 ft. 500 ft. 600 ft. 700 ft. 800 ft. 900 ft. 1000 ft.

Canon-Serenar 35mm f:3.5, f:3.2 and f:2.8

Distance focused on (ft)	Circle of Confusion = 0.035mm								
	f : 2.8	f : 3.2	f : 3.5	f : 4	f : 5.6	f : 8	f : 11	f : 16	f : 22
∞	43	∞	37- 2	∞	33- 11	∞	25- 9	∞	21- 3
50	29	∞	21- 4	∞	20- 3	∞	18- 8	∞	14- 11
25	15- 9	10	15- 7	9	14- 5	94	13- 7	155	10- 4
15	11- 2	23- 1	10- 9	24- 11	10- 5	20- 7	10- 12	23- 11	8- 10
10	8- 1	12- 11	7- 11	13- 6	7- 9	14- 4	7- 6	14- 10	6- 10
8	6- 9	9- 9	6- 7	10- 11	6- 6	10- 4	6- 4	10- 9	5- 10
6	5- 3	6- 11	5- 2	7- 1	5- 1	7- 2	5- 1	7- 5	4- 8
5	4- 6	5- 7	4- 5	5- 8	4- 3	5- 11	4- 1	6- 5	3- 9
4	3- 8	4- 4	3- 7	4- 5	3- 6	4- 6	3- 5	4- 10	3- 11
3.5	3- 3	3- 9	3- 2	3- 10	3- 2	3- 10	3- 1	4- 11	2- 10

35mm

5. 1.

Depth of focus in meter :

100 m. 200 m. 300 m. 400 m. 500 m. 600 m. 700 m. 800 m. 900 m. 1000 m.

Canon-Serenar 35mm f:3.5, f:3.2 and f:2.8

Distance focused on (m)	Circle of Confusion = 0.035mm								
	f : 2.8	f : 3.2	f : 3.5	f : 4	f : 5.6	f : 8	f : 11	f : 16	f : 22
∞	12-90.0	∞	11-30.0	∞	10-30.0	∞	9- 0	∞	6-60.0
20	7-85.0	∞	7-25.0	∞	6-85.0	∞	6-25.0	∞	4-90.0
10	5-65.0	43-78.0	5-33.0	84-84.0	5-11.0	386-64.0	4-77.0	∞	3-95.0
1	4-55.0	15-14.0	4-35.0	18-17.0	4-20.0	21-38.0	3-37.0	30-30.0	3-39.0
5	3-62.0	8- 0.0	3-49.0	8-87.0	3-39.0	9-57.0	3-24.0	11- 1.0	2-85.0
4	3- 7.0	6-75.0	3-97.0	6-13.0	3-90.0	6-45.0	3-80.0	7- 7.0	2-50.0
3	2-45.0	3-87.5	2-38.5	4- 4.5	2-34.5	4-18.0	2-27.0	4-62.0	2- 7.0
2.5	2-11.0	3- 7.5	2- 6.0	3-18.0	2- 3.0	3-26.0	1-97.5	3-41.0	1-82.5
2	1-74.5	2-34.5	1-71.0	2-40.5	1-69.0	2-45.5	1-62.5	2-84.5	1-11.0
1.75	1-55.0	2- 1.0	1-32.5	2- 5.0	1-61.0	2- 8.5	1-48.0	2-18.5	1-39.5
1.5	1-35.4	1-68.3	1-33.5	1-71.3	1-32.1	1-73.5	1-77.7	1-23.4	1-91.9
1.25	1-14.8	1-37.3	1-13.5	1-39.2	1-12.5	1-40.7	1-10.9	1-43.3	1- 6.2
1	0-93.5	1- 7.5	0-92.7	1- 8.7	0-92.0	1- 9.5	0-91.0	1-11.1	0-87.8

35 mm

5. 1.

CANON-SERENAR 50mm f : 3.5 (Type I)—Standard Lens



This is a lens of standard focal length of Tessar type. An excellent lens for overall photography.

Specifications:

Lens Element: 4.

Lens Mount: Collapsible.

Lens Head: Revolving.

Marked Apertures: f : 3.5, 4, 5.6, 8, 11, and 16.

Focusing Range: 3.5 feet to infinity. Marked distance—3.5, 4, 5, 6, 8, 10, 15, 25, 50, and ∞ .

Angle of View: Total field 46°; vertically 26°, horizontally 39°.

Attachment Size: 36mm Slip-on Adapter Ring; Series VI Attachment.

Net Weight: Appr. 170 grams or 6 oz.

Not available



CANON-SERENAR 50mm f : 3.5 (Type II)—Standard Lens

This lens has been designed on a Tessar formula and is an improvement on our Type I lens.

Specifications:

Lens Element: 4.

Lens Mount: Collapsible.

Lens Head: Revolving.

Marked Apertures: f : 3.5, 4, 5.6, 8, 11, and 16. Click stops.

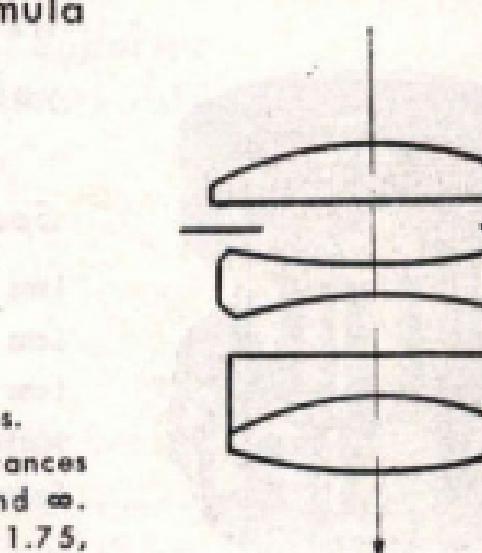
Focusing Range: 3.5 feet or 1 meter to infinity. Marked distances in feet—3.5, 4, 5, 6, 8, 10, 15, 25, 50, and ∞ .

Marked distances in meter—1, 1.25, 1.5, 1.75, 2, 2.5, 3, 4, 5, 7, 10, 20, and ∞ .

Angle of View: Total field 46°; vertically 26°, horizontally 39°.

Attachment Size: 34mm Screw-in Adapter Ring; Series VII Attachment.

Net Weight: Appr. 170 grams or 6 oz.



CANON-SERENAR 50mm f: 1.9—Standard Lens

Its fast speed and sharp descriptive power offers you excellent pictures for overall subjects.



Specifications:

Lens Element: 6.

Lens Mount: Collapsible.

Lens Head: Non-revolving.

Marked Apertures: ~~f: 1.9, 2.8, 4, 5.6, 8, and 11.~~

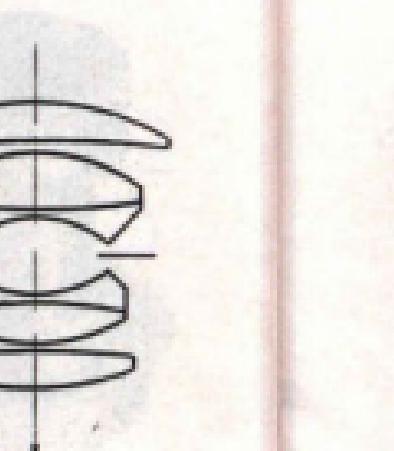
Focusing Range: 3.5 ft to infinity. Marked distances—3.5, 4, 5, 6, 8, 10, 15, 25, 50, and ∞ .

Angle of View: Total field 46°; vertically 26°, horizontally 39°.

Attachment Size: 40mm Screw-in or 42mm Slip-on Adapter Ring; Series VI Attachment.

Net Weight: Appr. 230 grams or 8 oz.

Not available



Specifications:

Lens Element: 6.

Lens Mount: Non-collapsible.

Lens Head: Non-revolving.

Marked Apertures: f: 1.8, 2, 2.8, 4, 5.6, 8, 11, and 16. Click stops.

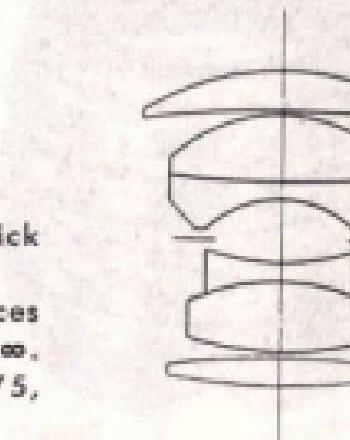
Focusing Range: 3.5 feet or 1 meter to infinity. Marked distances in feet—3.5, 4, 5, 6, 8, 10, 15, 25, 50, and ∞ .

Marked distances in meter—1, 1.25, 1.5, 1.75, 2, 2.5, 3, 4, 5, 7, 10, 20, and ∞ .

Angle of View: Total field 46°; vertically 26°, horizontally 39°.

Attachment Size: 40mm Screw-in or 42mm Slip-on Adapter Ring; Series VI Attachment.

Net Weight: Appr. 280 grams or 9.9 oz.



CANON-SERENAR 50mm f:1.5—Standard Lens

CANON's proudest achievement in high speed lens of 50mm. Ideally suited for adverse light condition. Has excellent resolution and is colour corrected to a fullest extent.



Specifications :

Lens Element : 7.

Lens Mount : Non-collapsible.

Lens Head : Non-revolving.

Marked Apertures : f:1.5, 2, 2.8, 4, 5.6, 8, 11, and 16. Click stops.

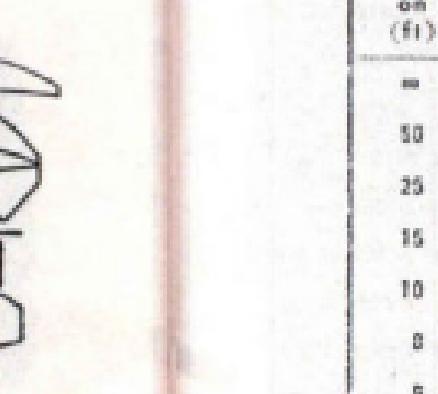
Focusing Range : 3.5 feet or 1 meter to infinity. Marked distances in feet—3.5, 4, 5, 6, 8, 10, 15, 25, 50, and ∞ .

Marked distances in meter—1, 1.25, 1.5, 1.75, 2, 2.5, 3, 4, 5, 7, 10, 20, and ∞ .

Angle of View : Total field 46°; vertically 26°, horizontally 39°.

Attachment Size : 40mm Screw-in Adapter Ring; Series VII Attachment.

Net Weight : Appr. 295 grams or 10.4 oz.



Depth of focus in feet :

Canon-Serenar 50mm f:3.5, f:1.9, f:1.8 and f:1.5

Distance focused on (ft)	Circle of Confusion = 0.035mm										
	f : 1.5	f : 1.8	f : 1.9	f : 2	f : 2.8	f : 3.5	f : 4	f : 5.6	f : 8	f : 11	f : 16
=	167-	=	139-	=	122-	=	125-	=	89-	=	72-
50	28-7	71-	36-10	78-	30-4	80-	35-10	83-	32-2	113-	29-6
	105-	27-11	245-	23-9	35-5	30-5	35-5	30-5	35-9	32-1	28-1
25	21-10	29-4	21-3	30-4	21-1	30-9	20-11	31-1	19-7	34-6	18-7
	38-2	18-	41-3	16-2	35-	34-	34-	34-	39-12	12-1	8-9
15	13-10	16-5	13-7	16-7	13-6	16-10	13-5	16-11	12-11	17-11	12-6
	18-10	12-2	19-7	11-4	22-3	21-3	22-3	21-3	24-2	24-1	7-9
10	9-5	10-7	9-4	10-9	9-4	10-10	9-	11-2	8-10	11-6	8-8
	11-10	8-3	12-9	7-8	14-5	7-1	14-5	7-1	17-4	6-3	3-6
8	7-7	8-4	7-7	8-5	7-6	8-5	7-6	7-4	8-8	7-2	8-11
	7-17	9-1	6-10	9-7	6-5	6-9	7-6	7-1	12-2	5-7	5-16
6	5-9	6-2	5-9	6-3	5-9	6-3	5-7	6-4	5-6	6-6	6-7
	5-14	6-10	5-5	1	7-19	4-10	7-19	4-10	7-11	4-5	5-9
5	4-10	5-11	4-10	5-2	4-10	5-2	4-9	5-3	4-8	5-4	4-8
	4-10	5-11	4-10	5-2	4-10	5-2	4-9	5-3	4-8	5-4	4-8
4	3-11	4-1	3-10	4-1	3-10	4-1	3-10	4-2	3-9	4-2	3-9
	4-2	3-8	4-1	3-7	3-5	3-7	3-4	3-7	3-4	3-8	3-11
3.5	3-5	3-6	3-5	3-6	3-5	3-5	3-7	3-4	3-7	3-4	3-8
	3-11	3-9	3-9	3-2	3-11	3-11	3-9	3-2	3-11	3-11	3-11

mm

ft.

Depth of focus in meter:

erenerar 50mm f:3.5, f:1.9, f:1.8 and f:1.5

Distance focused on (m)	Circle of Confusion = 0.035mm											
	f : 1.5	f : 1.8	f : 1.9	f : 2	f : 2.8	f : 3.5	f : 4	f : 5.6	f : 8	f : 11	f : 16	
	m-cm to m-cm	m-cm to m-cm	m-cm to m-cm	m-cm to m-cm	m-cm to m-cm	m-cm to m-cm	m-cm to m-cm	m-cm to m-cm	m-cm to mm-cm	m-cm to m-cm	m-cm to m-cm	
∞	50-70.0	∞	42-70.0	∞	30-0	∞	28-0	∞	27-20.0	∞	21-70.0	∞
10	14-40.0	32-60.0	13-60.0	30-70.0	13-10.0	29-70.0	13-15.0	41-60.0	11-25.0	71-60.0	10-45.0	226-300.0
8	8-38.0	12-41.0	8-11.0	13-4.0	8-1.0	13-27.0	7-95.0	13-50.0	7-34.0	15-70.0	6-80.0	18-32.0
7	6-17.0	8-9.0	6-2.0	8-36.0	5-56.0	8-45.0	5-90.0	8-51.0	5-37.0	6-32.0	10-22.0	5-15.0
5	4-56.0	5-53.0	4-49.0	5-52.0	4-46.0	5-50.0	4-44.0	5-71.0	4-24.0	6-9.0	4-9.0	6-44.0
4	3-72.0	4-33.0	3-67.0	4-47.0	3-52.0	4-43.0	3-63.0	4-45.0	3-50.0	4-68.0	3-33.0	5-2.0
3	2-84.0	3-18.0	2-81.0	3-21.0	2-80.0	3-20.0	2-79.0	3-24.0	2-71.0	3-35.0	2-65.0	3-45.5
2.5	2-39.0	3-02.0	2-37.0	2-64.0	2-36.0	2-62.0	2-35.0	2-61.0	2-30.0	2-71.0	2-21.0	2-80.5
2	1-93.0	2-7.0	1-91.0	2-9.0	1-91.0	2-9.0	1-90.5	2-10.0	1-87.5	2-14.0	1-84.5	2-18.5
1.75	1-09.0	1-60.0	1-68.0	1-82.0	1-68.0	1-82.0	1-82.0	1-65.0	1-80.0	1-63.0	1-91.0	1-56.0
1.5	1-46.0	1-54.0	1-45.4	1-55.0	1-45.1	1-55.2	1-44.9	1-55.5	1-42.9	1-57.9	1-41.3	1-60.0
1.25	1-22.4	1-27.8	1-21.8	1-28.2	1-21.7	1-28.5	1-21.5	1-28.7	1-20.2	1-30.3	1-19.0	1-31.7
1	0-98.4	1-1.7	0-98.0	1-2.1	0-97.9	1-2.2	0-97.8	1-2.2	0-97.0	1-3.2	0-96.3	1-4.0

100

2



ON-SERENAR 85mm f:2—Long.

is a fast speed lens in a focal
m. Extremely sharp at any aper-
ture. Suitable for portraiture in
black-and-white.

Specifications

Element 6.

Count: Non-collapsible

Lead: Revolving

Apertures: 6, 9, 12, 18, 24, 36, 54, 81, 111, and 162

ng Range: 35 ft to infinity. Marked distance
6, 7, 8, 10, 12, 15, 20, 30, 50,

of View: Total field 29°; vertically 16°, hor-

Location: 1.7 x

ment Size: 48mm Screw-in Adapter Ring; Seri

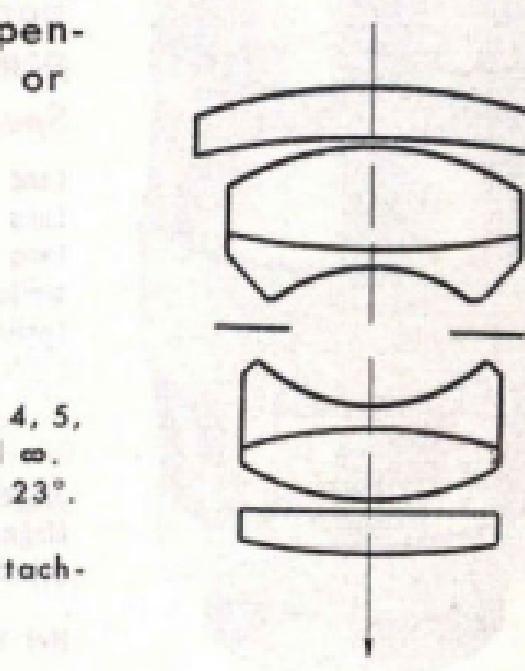
ment.

Weight: Appr. 615grams or 21.9 oz.

3: Use Special Viewfinder or Universal

3: Use Special Viewfinder or Universal

3: Use Special Viewfinder or Universal



3: Use Special Viewfinder or Universal



CANON-SERENAR 85mm f:1.9—Long-Focus Lens

Probably the finest lens in its class. Ideal for portraiture, excellent resolution; popular with press photographers.

Specifications:

Lens Element: 6.

Lens Mount: Non-collapsible.

Lens Head: Revolving.

Marked Apertures: f: 1.9, 2.8, 4, 5.6, 8, 11, and 16.

Focusing Range: 3.5 feet or 1 meter to infinity. Marked distances in feet—3.5, 4, 5, 6, 7, 8, 10, 12, 15, 20, 30, 50, 100, and ∞ . Marked distances in meter—1, 1.25, 1.5, 1.75, 2, 2.5, 3, 4, 5, 7, 10, 15, 30, and ∞ .

Angle of View: Total field 29°; vertically 16°, horizontally 23°.

Magnification: 1.7x.

Attachment Size: 48mm Screw-in Adapter Ring; Series VII Attachment.

Net Weight: Appr. 595 grams or 21 oz.

Note: Use Special Viewfinder or Universal Viewfinder.



CANON-SERENAR 85mm f:1.5—Semi-Long-Focus Lens

Semi-long-focus lens of CANON's special design. A light weight lens combining superlative resolution and speed.

An excellent lens for stage shows and portraiture.

Specifications:

Lens Element: 7.

Lens Mount: Non-collapsible.

Lens Head: Revolving.

Marked Apertures: f: 1.5, 2, 2.8, 4, 5.6, 8, 11, and 16. Click stops.

Focusing Range: 3.5 feet or 1 meter to infinity. Marked distances in feet—3.5, 4, 5, 6, 7, 8, 10, 12, 15, 20, 30, 50, 100, and ∞ . Marked distances in meter—1, 1.25, 1.5, 1.75, 2, 2.5, 3, 4, 5, 7, 10, 15, 30, and ∞ .

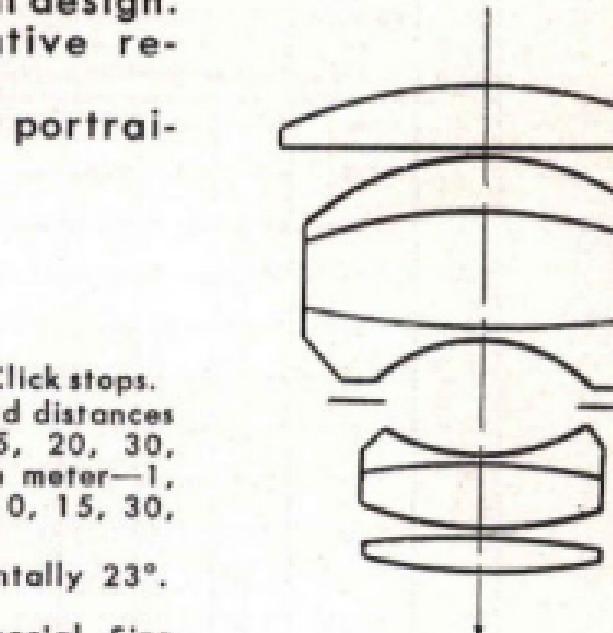
Angle of View: Total field 29°; vertically 16°, horizontally 23°.

Magnification: 1.7x.

Attachment Size: 58mm Screw-in Adapter Ring; Special Size Attachment.

Net Weight: Appr. 480 grams or 16.9 oz.

Note: Use Special Viewfinder or Universal Viewfinder.



Depth of focus in feet :

Canon-Serenar 85mm f:2, f:1.9 and f:1.5

Distance focused on (ft)	Circle of Confusion = 0.035mm								
	f : 1.5	f : 1.9	f : 2	f : 2.8	f : 4	f : 5.6	f : 8	f : 11	f : 16
∞	441-	∞	343-	∞	230-	∞	166-	∞	115-
100	33-	129-	77-10	141-	76-11	143-	70- 5	173-	62- 6
50	44-11	56- 3	43- 9	58- 3	43- 6	58- 9	41- 4	63-	54- 4
33	23- 11	32- 1	27- 8	32- 9	27- 6	32- 11	23- 8	34- 3	23- 6
23	19- 2	20-11	18-11	21- 2	18-10	21- 3	18- 5	21- 9	17-11
17	14- 6	15- 6	14- 4	15- 3	14- 4	15- 8	14- 1	15-11	13- 9
12	11-8	12- 3	11- 4	12- 4	11- 7	12- 5	11- 5	12- 7	11- 2
9	9- 9	10- 2	9- 8	10- 3	9- 7	10- 4	9- 5	10- 7	9- 4
7	7-10	8- 1	7-10	8- 2	7-10	8- 3	7- 8	8- 4	7- 6
5	6-10	7- 1	6-10	7- 1	6- 9	7- 2	6- 9	7- 3	6- 7
3	5-11	6- 1	5-10	6- 1	5-11	6- 1	5- 9	6- 2	5- 9
2	4-11	5- 1	4-11	5- 1	4-11	5- 1	4-10	5- 2	4- 9
1.5	3-11	4- 1	3-11	4- 1	3-11	4- 1	3-10	4- 1	3- 9
1	3- 5	3- 6	3- 5	3- 5	3- 6	3- 5	3- 6	3- 7	3- 4
									3- 9

Depth of focus in meter :

Canon-Serenar 85mm f:2, f:1.9, and f:1.5

Distance focused on (m)	Circle of Confusion = 0.035mm								
	f : 1.5	f : 1.9	f : 2	f : 2.8	f : 4	f : 5.6	f : 8	f : 11	f : 16
∞	134- 0	∞	106- 0	∞	100- 0	∞	72- 0	∞	50-40-0
100	24-60-0	33-60-0	23-40-0	41-70-0	23-20-0	42-60-0	21-30-0	51-20-0	19-90-0
50	13-50-0	16-65-0	13-15-0	17-45-0	13-10-0	17-60-0	12-45-0	18-90-0	11-60-0
33	9-32-0	10-79-0	9-16-0	11-2-0	9-12-0	11-8-0	8-38-0	12-41-0	7-87-0
23	6-68-0	7-37-0	6-58-0	7-48-0	6-56-0	7-51-0	6-80-0	7-73-0	6-17-0
17	4-83-0	5-18-0	4-78-0	5-24-0	4-77-0	5-25-0	4-89-0	5-35-0	3-53-0
12	3-89-0	4-12-0	3-86-0	4-15-0	3-85-0	4-16-0	3-80-0	4-22-0	3-72-0
9	2-94-0	3- 6-5	2-92-5	3- 8-0	2-92-0	3- 8-5	2-89-0	3-12-0	2-84-5
7	2-46-0	2-54-5	2-44-5	2-55-5	2-44-5	2-56-0	2-42-5	2-58-0	2-39-0
5	1-97-5	2- 2-5	1-96-5	2- 3-5	1-96-5	2- 5-0	1-93-0	2- 7-5	1-90-5
3	1-73-0	1-77-0	1-77-5	1-77-5	1-72-5	1-71-5	1-79-0	1-70-0	1-80-5
2	1-48-5	1-51-5	1-48-2	1-51-8	1-48-1	1-51-5	1-47-4	1-52-7	1-46-3
1.5	1-24-0	1-26-0	1-23-8	1-26-2	1-23-7	1-26-5	1-23-2	1-27-5	1-21-5
1	0-99-4	1- 0-6	0-99-2	1- 0-7	0-99-2	1- 0-8	0-98-9	1- 1-1	0-98-5

CANON-SERENAR 100mm f:4—Long-Focus Lens



A light weight lens designed specially for landscapes and portrait work.

Specifications:

Lens Element: 3.

Lens Mount: Non-collapsible.

Lens Head: Revolving.

Marked Apertures: f: 4, 5.6, 8, 11, 16, and 22.

Focusing Range: 3.5 ft to infinity. Marked distances in feet—3.5, 4, 5, 6, 7, 8, 10, 12, 15, 20, 30, 50, 100, and ∞ .

Angle of View: Total field 25°; vertically 13°, horizontally 20°.

Magnification: 2x.

Attachment Size: 34mm Screw-in Adapter Ring; Series VI Attachment.

Net Weight: Appr. 355 grams or 12.5 oz.

Note: Use Special Viewfinder or Universal Viewfinder.



CANON-SERENAR 100mm f:3.5—Telephoto Lens

Lightest lens made from modern light alloy. Recommended for sports, landscapes and press work.

Combines speed and critical sharpness.

Specifications:

Lens Element: 5.

Lens Mount: Non-collapsible.

Lens Head: Revolving.

Marked Apertures: f: 3.5, 4, 5.6, 8, 11, 16, and 22. Click stops.

Focusing Range: 3.5 ft or 1 meter to infinity. Marked distances in feet—3.5, 4, 5, 6, 7, 8, 10, 12, 15, 20, 30, 50, 100, and ∞ .

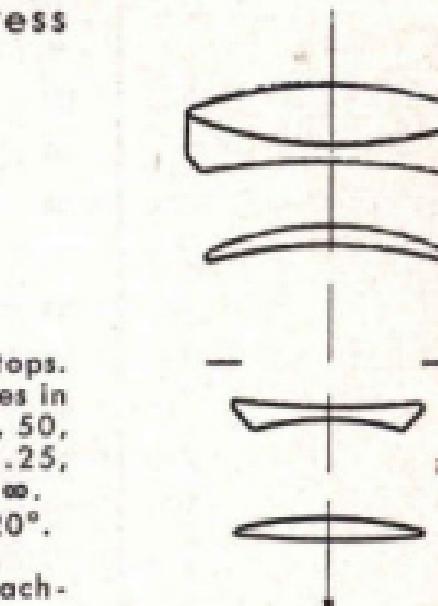
Angle of View: Total field 24°; vertically 13°, horizontally 20°.

Magnification: 2x.

Attachment Size: 34mm Screw-in Adapter Ring; Series VI Attachment.

Net Weight: Appr. 205 grams or 7.2 oz.

Note: Use Special Viewfinder or Universal Viewfinder.



Depth of focus in feet :

Canon-Serenar 100mm f:4 and f:3.5

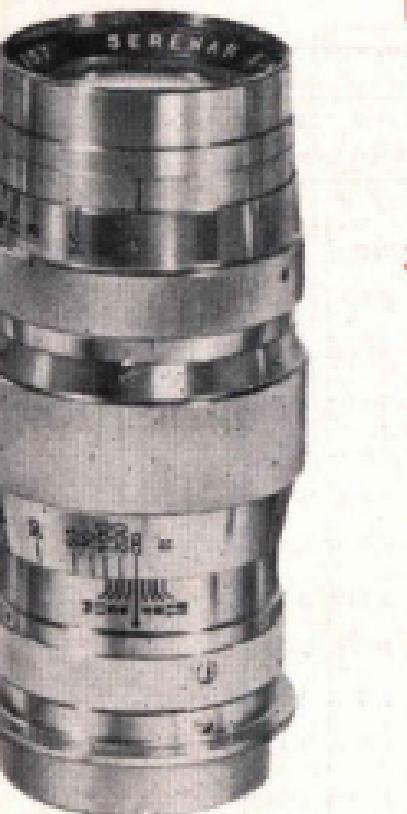
Distance ocused on (ft)	Circle of Confusion = 0.035mm							
	f : 3.5	f : 4	f : 5.6	f : 8	f : 11	f : 16	f : 22	
	ft-in to ft-in	ft-in ft-in to ft-in	ft-in ft-in to ft-in	ft-in ft-in to ft-in	ft-in ft-in to ft-in	ft-in ft-in to ft-in	ft-in ft-in to ft-in	
∞	298-	∞	245-	∞	168-	∞	85- 10	∞
100	73-	162-	70- 4	173-	42- 10	245-	54- 3	226-
50	12- 3	61- 3	41- 4	63- 3	38- 8	70- 9	35- 3	186-
30	27-	133- 7	20- 8	34- 3	25- 6	36- 3	21- 3	139- 11
20	18- 8	21- 6	18- 6	21- 9	17- 11	22- 7	17- 2	23- 10
15	14- 3	15- 10	14- 11	15- 11	13- 10	16- 4	13- 4	15- 11
12	11- 6	12- 6	11- 5	12- 7	11- 3	12- 10	10- 11	13- 3
10	9- 8	10- 4	9- 7	10- 4	9- 5	10- 6	9- 3	10- 10
8	7- 9	8- 2	7- 9	8- 3	7- 8	8- 4	7- 6	8- 6
7	6- 10	7- 2	6- 9	7- 2	6- 9	7- 3	6- 7	7- 4
6	5- 10	6- 12	5- 10	6- 11	5- 9	6- 2	5- 8	6- 4
5	4- 11	5- 4	4- 11	5- 1	4- 10	5- 11	4- 10	5- 3
4	3- 11	4- 4	3- 11	4- 2	3- 11	4- 1	3- 10	4- 1
3.5	3- 5	3- 6	3- 5	3- 6	3- 5	3- 6	3- 4	3- 7

meter :

Canon-Serenar 100mm f

Distance Focused on (m)	Circle of Confusion = 0.0 35mm											
	f : 3.5		f : 4		f : 5.6		f : 8		f : 11		f : 16	
	m-cm to m-cm	m-cm to m-cm	m-cm to m-cm	m-cm to m-cm	m-cm to m-cm	m-cm to m-cm	m-cm to m-cm	m-cm to m-cm	m-cm to m-cm	m-cm to m-cm	m-cm to m-cm	
∞	81-40.0	∞	71-40.0	∞	51- 0	∞	35-70.0	∞	25- 0	∞	17-90.0	∞
50	31-10.0	129- 0	29-50.0	161- 0	25-40.0	2084- 0	20-90.0	∞	17-20.0	∞	13-30.0	∞
20	16-10.0	26-35.0	13-70.0	27-45.0	14-45.0	32-60.0	12-80.0	44-75.0	11-40.0	80-80.0	9-55.0	∞
10	8-34.0	11-35.0	8-31.0	11-37.0	8-41.0	12-35.0	7-87.0	13-74.0	7-25.0	16- 0	6-43.0	22-3.0
7	6-47.0	7-43.0	6-40.0	7-73.0	6-19.0	8- 6.0	5-93.0	8-102.0	5-57.0	9-45.0	5-10.0	11-21.0
5	4-71.0	5-31.0	4-42.0	5-35.0	4-58.0	5-51.0	4-42.0	5-76.0	4-24.0	6-11.0	3-96.0	6-40.0
4	3-83.0	4-19.0	3-80.0	4-22.0	3-71.0	4-31.0*	3-63.0	4-46.0	3-50.0	4-87.0	3-32.0	5- 5.0
3	2-93.0	3-10.5	2-83.0	3-12.0	2-65.0	3-17.0	2-79.0	3-34.5	2-72.0	3-35.0	2-61.0	3-53.5
2.5	2-62.0	2-57.0	2-47.0	2-84.0	2-38.5	2-61.0	2-35.5	2-66.5	2-30.5	2-73.0	2-32.5	2-65.5
2	1-96.0	2- 4.5	1-95.5	2- 5.0	1-93.5	2- 7.0	1-91.0	2-10.0	1-98.0	2-14.0	1-82.5	2-21.0
1.75	1-72.0	1-76.0	1-71.5	1-78.5	1-70.0	1-80.0	1-66.0	1-62.5	1-66.0	1-65.5	1-62.0	1-60.5
1.5	1-47.8	1-62.2	1-47.5	1-62.6	1-45.0	1-53.5	1-45.1	1-55.2	1-43.4	1-57.3	1-40.6	1-60.8
1.25	1-23.6	1-26.5	1-23.4	1-26.7	1-22.7	1-27.4	1-21.8	1-28.4	1-20.6	1-29.6	1-18.7	1-32.0
1	0-99.2	1-60.7	0-99.0	1- 1.0	0-98.7	1- 1.4	0-98.1	1- 2.0	0-97.4	1- 2.8	0-96.3	1- 4.1

CANON-SERENAR 135mm f:4—Telephoto Lens



Distant subject can be brought close to you.
Ideal for long distant shots.

Specifications:

Lens Element: 4.

Lens Mount: Non-collapsible.

Lens Head: Revolving.

Marked Apertures: f: 4, 5.6, 8, 11, 16, and 22. Click stops.

Focusing Range: 5 feet or 1.5 meter to infinity. Marked distances in feet—5, 6, 7, 8, 10, 12, 15, 20, 30, 50, 70, 100, 200, and ∞ .

Angle of View: Total field 19°, vertically 10°, horizontally 15°.

Magnification: 2.7x.

Attachment Size: 40mm Screw-in Adapter Ring; Series VI Attachment.

Net Weight: Appr. 580 grams or 20.4 oz.

Note: Use Special Viewfinder or Universal Viewfinder.



CANON-SERENAR 135mm f:3.5—Telephoto Lens

Aberration corrections are nearly perfect.
Recommended for all classes of long distance
and aerial photographs.

Specifications:

Lens Element: 4.

Lens Mount: Non-collapsible.

Lens Head: Revolving.

Marked Apertures: f: 3.5, 4, 5.6, 8, 11, 16, and 22. Click stops.

Focusing Range: 5 feet or 1.5 meter to infinity. Marked distances in feet—5, 6, 7, 8, 10, 12, 15, 20, 30, 50, 70, 100, 200, and ∞ . Marked distances in meter—1.5, 1.75, 2, 2.5, 3, 4, 5, 7, 10, 15, 20, 30, 60, and ∞ .

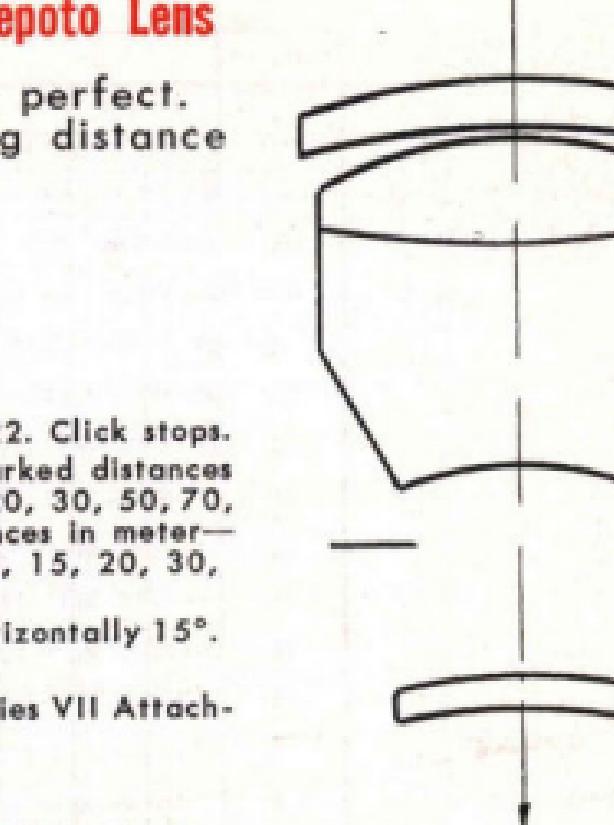
Angle of View: Total field 19°, vertically 10°, horizontally 15°.

Magnification: 2.7x.

Attachment Size: 48mm Screw-in Adapter Ring; Series VI Attachment.

Net Weight: Appr. 490 grams or 17.2 oz.

Note: Use Special Viewfinder or Universal Viewfinder.



Canon-Serenar 135mm f:4 and f:3.5

Distance focused on (Ft)	Circle of Confusion 0.035mm						
	f : 3.5		f : 4		f : 5.6		f : 8
	ft-in to ft-in	ft-in to ft-in	ft-in to ft-in	ft-in to ft-in	ft-in to ft-in	ft-in to ft-in	ft-in to ft-in
∞	803		423		202		103
200	141	340	136	378	121	581	303
100	87- 1	125	81- 1	130	75- 5	145	88- 3
70	61- 4	81- 7	60- 3	83- 7	57- 1	90- 8	72- 10
50	45- 5	55- 7	44- 10	56- 6	43- 1	59- 8	40- 8
30	28- 4	31- 10	28- 11	32- 2	27- 4	33- 15	26- 5
20	19- 3	20- 9	19- 11	20- 11	18- 10	21- 21	19- 17
15	14- 7	15- 5	14- 6	15- 4	15- 8	14- 11	16- 13
12	11- 8	12- 3	11- 8	12- 3	11- 7	12- 5	11- 5
10	9- 9	10- 2	9- 9	10- 2	9- 8	10- 7	9- 3
8	7- 10	8- 11	7- 10	8- 11	7- 9	8- 9	7- 8
7	6- 11	7- 1	6- 10	7- 11	6- 9	7- 2	6- 9
6	5- 11	6- 1	5- 11	6- 1	5- 10	6- 10	5- 9
5	4- 11	5- 4	4- 11	5- 4	4- 11	5- 1	4- 10
4	4- 11	5- 4	4- 11	5- 4	4- 11	5- 1	4- 10
3	4- 11	5- 4	4- 11	5- 4	4- 11	5- 1	4- 10

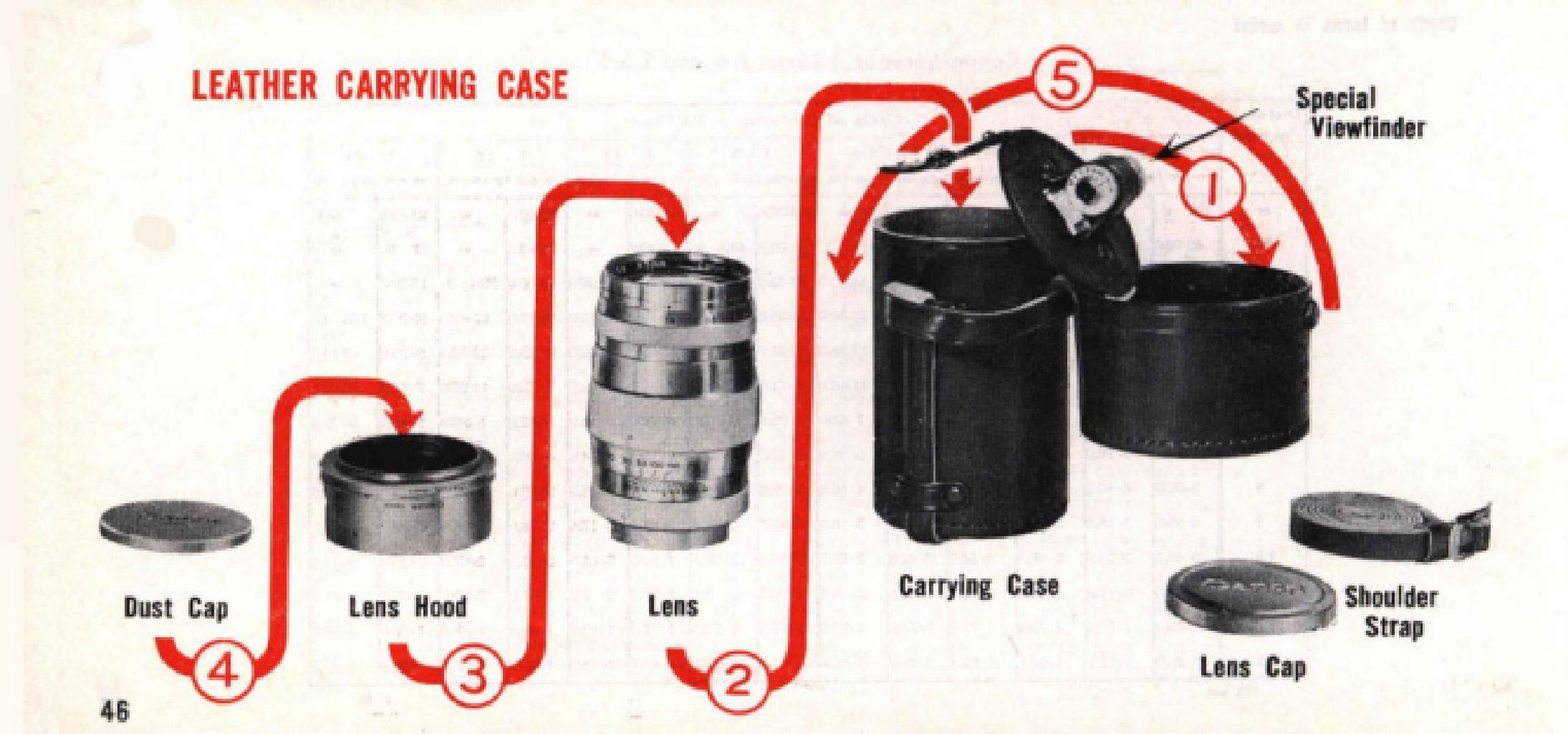
135mm

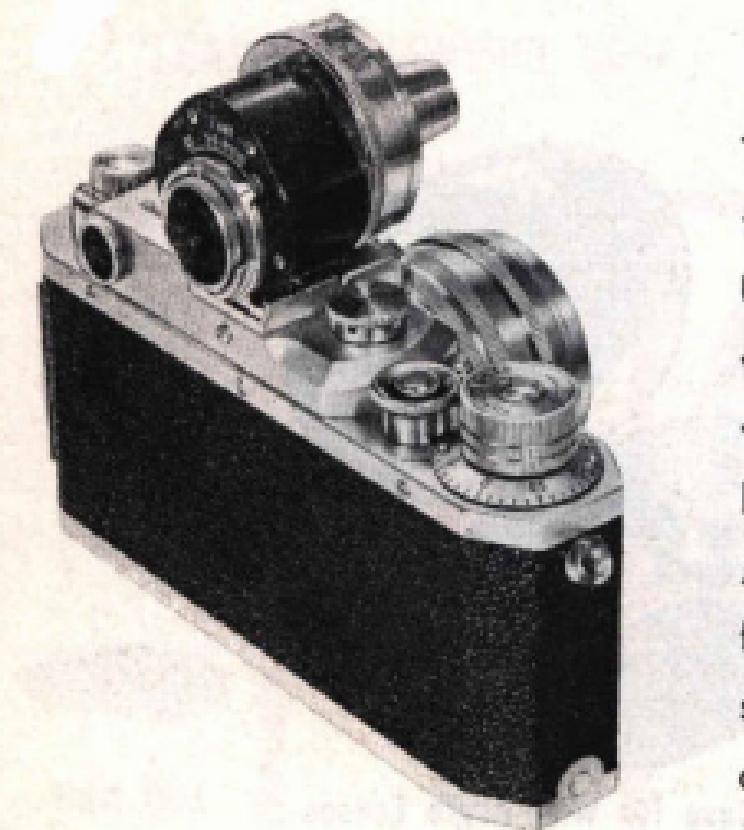
Depth of focus in meter :

Canon-Serenar 135mm f:4 and f:3.5

Distance focused on (m)	Circle of Confusion = 0.035mm						
	f : 3.5		f : 4		f : 5.6		f : 8
	m-cm to m-cm	m-cm to m-cm	m-cm to m-cm	m-cm to m-cm	m-cm to m-cm	m-cm to m-cm	m-cm to m-cm
∞	187 0		128 0		91-90.0		64-30.0
60	42-70.0	100 0	41 0	111 0	36-40.0	171 0	31-20.0
50	25 0	37-60.0	24-40.0	39 0	22-70.0	44-30.0	20-60.0
40	17-60.0	29 5.0	17-35.0	23-50.0	16-50.0	25-40.0	15-35.0
30	13-65.0	16-65.0	13-50.0	16-60.0	12-65.0	17-50.0	12-45.0
20	9-30.0	10-70.0	9-31.0	10-80.0	9-6.0	11-16.0	8-71.0
15	6-70.0	8-31.0	6-62.0	7-38.0	6-53.0	7-54.0	6-35.0
10	4-35.0	5-16.0	4-16.0	5-18.0	4-76.0	5-26.0	4-67.0
8	3-91.0	4-10.0	3-89.0	4-11.0	3-85.0	4-16.0	3-79.0
7	2-95.0	3-5.5	2-94.0	3-6.0	2-92.0	3-8.5	2-88.5
5.5	2-46.5	2-53.5	2-46.0	2-54.5	2-55.5	2-42.5	2-58.5
4	1-98.0	2-2.0	1-97.5	2-2.5	1-96.5	2-3.5	1-95.5
3	1-73.5	1-76.5	1-73.0	1-77.0	1-72.5	1-77.5	1-71.5
2.5	1-78.5	1-82.5	1-78.0	1-83.0	1-82.5	1-81.5	1-80.5
2	1-88.0	1-92.0	1-87.5	1-93.0	1-92.5	1-91.5	1-90.5
1.75	1-73.5	1-76.5	1-73.0	1-77.0	1-72.5	1-77.5	1-71.5
1.5	1-88.0	1-91.0	1-88.0	1-91.0	1-88.0	1-87.5	1-86.5

135mm



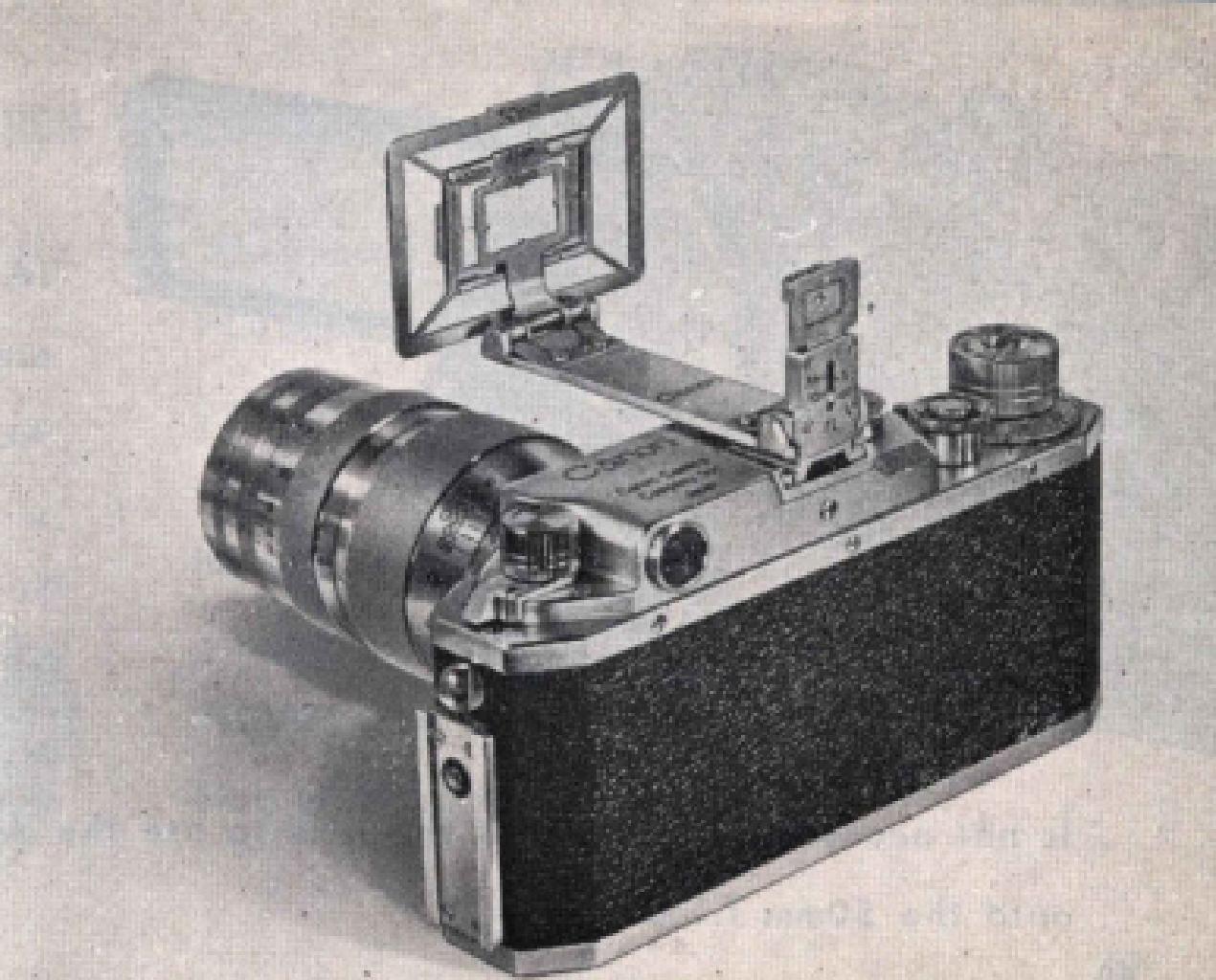


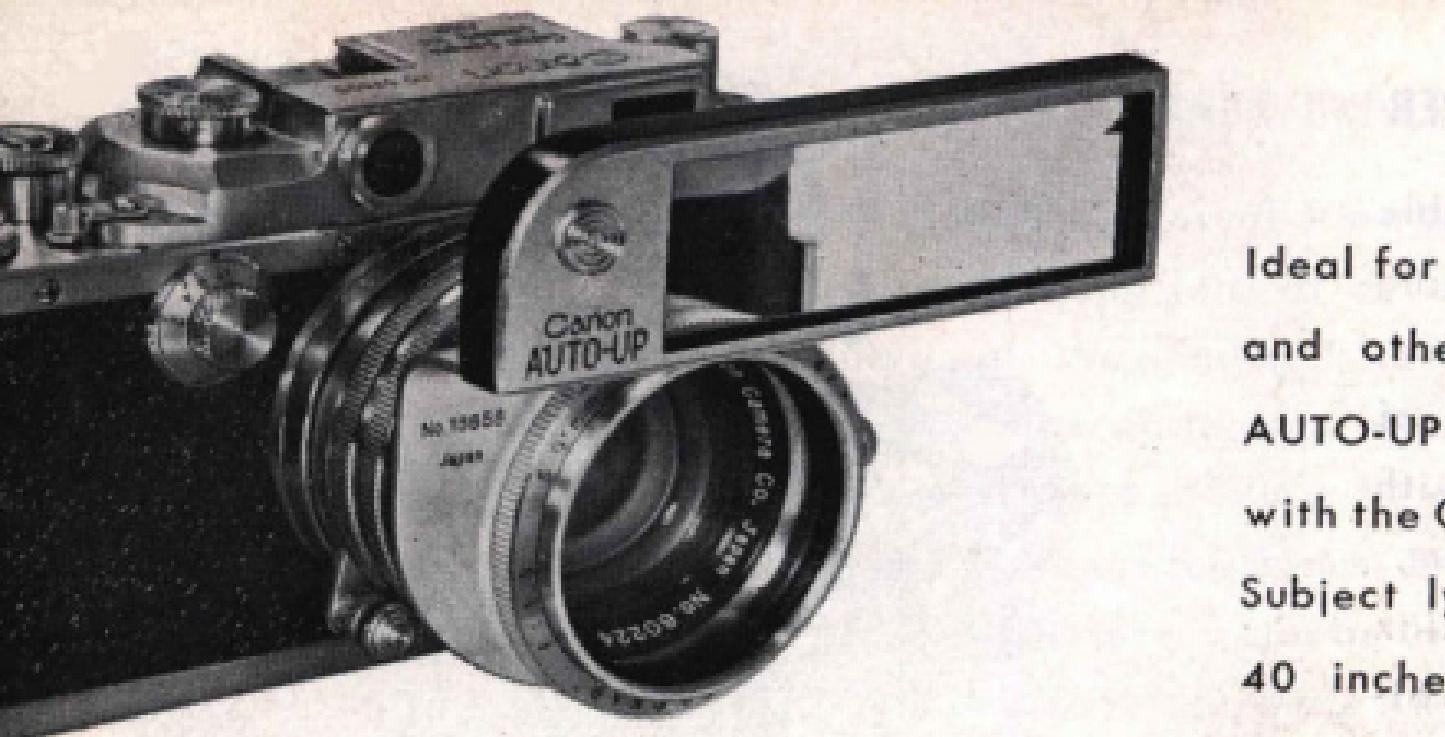
CANON UNIVERSAL VIEWFINDER

The Canon Universal Viewfinder is an indispensable item for one having lens of different focal length. The Canon Universal Viewfinder is a precision instrument through which an exceptionally sharp and erect image can be viewed. Field of View is variable for lenses with focal length of 35mm to 135mm; and with the Canon 28mm Front Attachment lens it can be used for CANON-SERENAR 28mm f : 3.5 Ultra-Wide-Angle Lens. Click stops offer positive setting at any particular focal length marking. Parallax compensating scale enables accurate parallax correction.

CANON UNIVERSAL FRAME FINDER

This Finder is especially suitable for photographing fast moving objects; such as sport action, moving vehicles, etc. Field of View is variable for lenses with focal length of 50mm, 85mm, 100mm and 135mm. Parallax compensating scale incorporated. Can be folded for easier carrying.





CANON AUTO-UP

Ideal for photographing flowers, insects and other small objects. The Canon AUTO-UP is a close-up lens for use with the Canon-Serenar 50mm f:1.8 lens. Subject lying between 22 inches and 40 inches can be accurately focused with the rangefinder of the camera. It is not necessary to dismount the lens to use the AUTO-UP; simply mount the AUTO-UP onto the 50mm f:1.8.

CANON UNIVERSAL FRAME FINDER

This Finder is especially suitable for photographing fast moving objects; such as sport action, moving vehicles, etc. Field of View is variable for lenses with focal length of 50mm, 85mm, 100mm and 135mm. Parallax compensating scale incorporated. Can be folded for easier carrying.

