

Focal length: 55 mm

Focal length: 100 mm

Focal length: 200 mm

High zooming effect...

Without moving the camera itself, the magnification of the image can be changed by just shifting the focal distance of the lens. This is very advantageous in determining the composition of your picture.

No interchangeable lenses needed...

By simply zooming the lens, you can obtain as many effects as several conventional interchangeable lenses offer you.

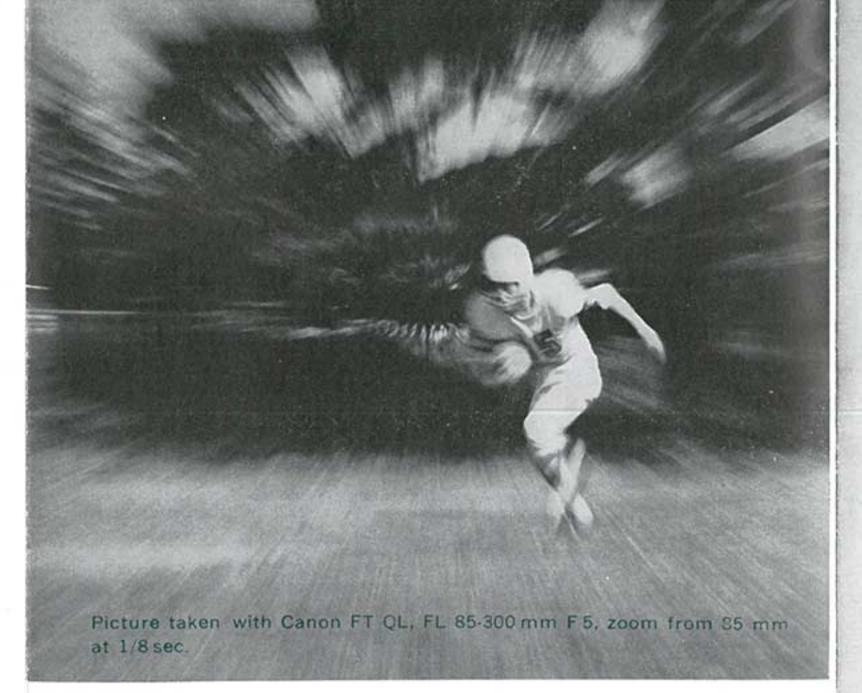
Therefore, it is so economical for picture taking and very convenient for carrying too. You will be always assured of the same satisfactory results in tone and color balance which come out of these zoom lenses.



Focal length: 300 mm

SPECIFICATIONS

	FL 55-135 mm F 3.5	FL 100-200 mm F 5.6	FL 85-300 mm F 5
Lens Composition	13 elements, 10 components (includes 3 new type glasses)	8 elements, 5 components	15 elements, 9 components (includes 2 new type glasses)
Zooming Range	55-135 mm	100-200 mm	85-300 mm
Zoom Ratio	2.5	2	3.5
Lens Speed	F 3.5	F 5.6	F 5
Form of Zoom Lens	Mechanical Compensation	Optical Compensation	Mechanical Compensation
Picture Size	36×24 mm	36×24 mm	36×24 mm
Angle-of-View	55 mm 85 mm 100 mm 135 mm 160 mm 200 mm 250 mm 300 mm 43° 29° 24° 18° 15° 12° 10° 8°		
Aperture Scale	3.5 (4) 5.6 8 11 16 22	5.6 8 11 16 22	5 (5.6) 8 11 16 22
Distance Scale	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Zooming Scale	55 85 100 135 (mm)	100 120 140 160 180 200 mm	85 100 135 160 200 250 300 (mm)
Focusing	Front lens revolving type	Front lens revolving type	Front lens revolving type
Coating	Amber and magenta spectra coating	Magenta coating	Amber and magenta spectra coating
Filter Size	58 mm, screw-in type	55 mm, screw-in type	72 mm, screw-in type
Close-Up-Lens	58 mm 1,800 usable		
Hood	S-60	Built-in type	Built-in type
Size, Weight	Overall length: 140 mm · 780 grams Max. diameter: 69 mm · 780 grams	Overall length: 173 mm · 650 grams Max. diameter: 65 mm · 650 grams	Overall length: 279 mm · 1,850 grams Max. diameter: 93 mm · 1,850 grams
Cap Size	60 mm	57 mm	75 mm



- * Lens hood S-60 is necessary for lens FL 55-135 mm F 3.5.
- * Close-up lens (58 mm 1800) is usable only on lens FL 55-135 mm F 3.5.
 * Regular use of the UV filter is recommended for the protection of
- * The use of Y3 or filters for effective contrasts are recommended for telephoto shots of distant mountains and the sky. Much clearer images are available with the use of filters.

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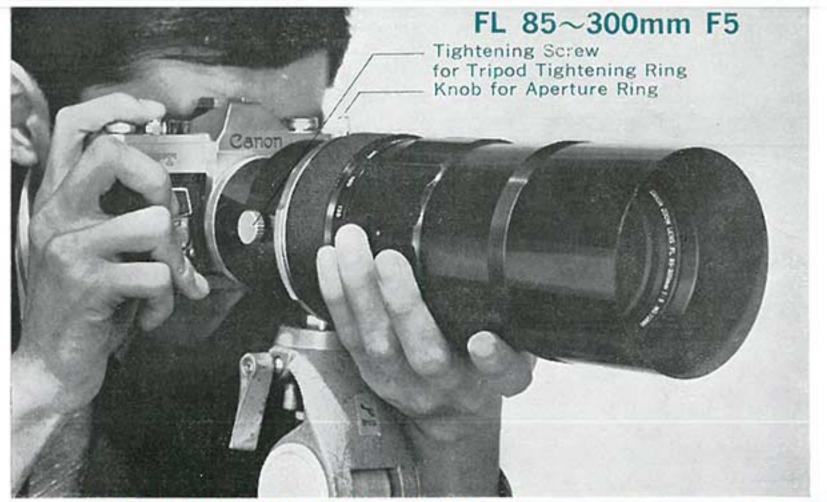
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Camon 5755 ZOOM LENS 5755

55-135mmF3.5 85-300mm F5 100-200mmF5,6 INSTRUCTIONS English Edition Canon



ZOOM LENSES WITH FULLY **AUTOMATIC APERTURES**

Canon zoom lenses FL 55-135 mm F3.5, FL 85-300 mm F5 and FL 100-200mm F 5.6 are high performnace zoom lenses with fully automatic aperture systems for use on Canon FT QL, Pellix QL, Pellix, FX and FP cameras.

The zoom lens design techniques developed by Canon throughout the years have been incorporated into these three zoom lenses. These lenses give rich and sharp delineations and have superb manipulation characteristics.

These three zoom lenses also have wide zooming ranges from standard to super-telephoto and each lens has its own special characteristic. For example, the FL 55-135 mm F3.5 can be used under dark conditions with its fast lens speed and mechanical compensation of form of zoom lens, the FL 85-300 mm F 5 is an all-purpose extravagant lens with its large zoom ratio, and mechanical compensation of form of zoom lens, and the FL 100-200 mm F 5.6, which possesses the most frequently used focusing range. and optical compensation of form of zoom lens is an easy-to handle compact zoom lens that can be used without a tripod.

Canon zoom lenses are widely used for shooting portraits, scenery, sports and news events.

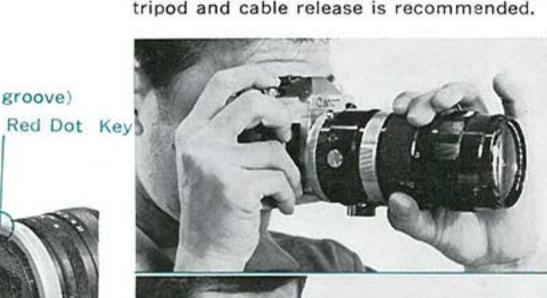
Attaching the Lenses Onto a Camera

Steps of photography

Rotate the bayonet ring so that the red dot on it comes to the key position, align it with the red dot (key groove) on the camera side, insert the bayonet mount of the lens and tighten the bayonet ring securely. Pull out the hood on those lenses with built-in

Red Dot

(with key groove)



Holding the Lenses

Focusing Ring-

Due to their unique functions the overall lengths of zoom lenses are quite long. There-

fore, precautions should be taken in holding

the lenses in order to prevent blurring due

to hand movements. The recommended methods for holding and 'manipulating the

It is best to use fast shutter speeds as much

as possible. When shooting at shutter speeds

slower than 1/60th of a second, the use of a

various lenses are shown in the photos.

Zooming Ring





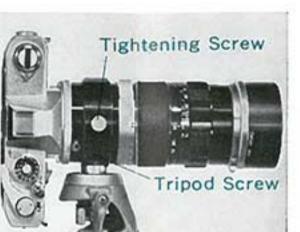
Attaching the Lenses Onto a Tripod

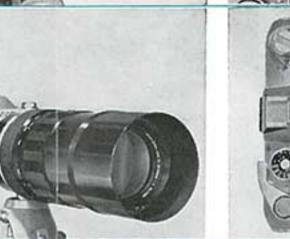
Pre-Set Aperture Ring

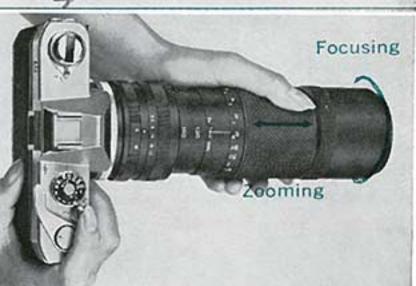
FL 55~135mm F3.5

In the case of lenses FL 55-135 mm F3.5 and FL85-300mm F 5 the lenses themselves can be attached onto a tripod. By loosening the tightening screw of the tripod socket ring on the lenses can be freely changed to a vertical or horizon-

tal position.







Zooming

Focusing and Zooming

Distance Scale

Distance Index Mark

-Pre-Set Aperture Release Button

> Built-in-Food

-Zooming Scale -

Focusing is performed by rotating the focus-

Aperture Lever

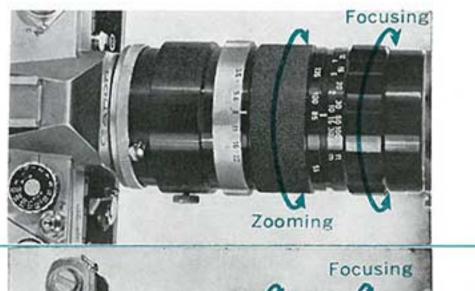
Bayonet Ring-

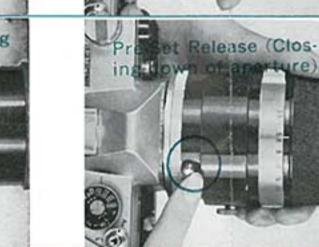
-Aperture Index Mark-

FL 100~200mm F5.6

Aperture Scale-

In the case of lenses FL 55-135 mm F 3.5 and FL 85-300 mm F5 zooming is performed by rotating the zooming ring in a circumferential direction, while in the case of lens FL 100-200 mm F 5.6 zooming is performed by sliding the zooming ring in a cylindrical direction.





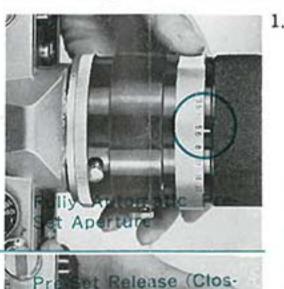
Operating the Aperture

Fully Automatic Pre-Set Aperture The three lenses can be operated like other FL lenses, under the fully automatic aperture system when used on cameras with FL mounts. In other words, it is the system under which focusing can be performed at maximum aperture opening and the aperture closes down to the pre-set

aperture stop only during the instant the shutter is released.

Distance/Zooming Ring

Pre-Set Release (Aperture Closing Down Device) All three lenses are attached with an aperture closing down device for checking the focusing range (depth-of-field) and the blurring condition of the background.



ton is pressed the aperture blades are closed down to the pre-set aperture stop. In this way the actual aperture condition when shooting can be checked. For example, when the pre-set release button is pressed after the aperture stop has been set at F 5.6, the aperture closes down to F5.6 and the condition of the picture at that time can be checked.

When the pre-set release but-

The depth-of-field changes according to the aperture stop. focal length and shooting distance.

Simultaneously with the release of the finger from the pre-set release button the aperture blades return to maximum opening.

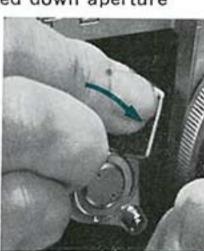


-Auto-Manual Change Ring

TTL light measured at closed down aperture

In the case of TTL cameras such as FT QL, Pellix and Pellix QL, light is measured at closed down apertures. This has nothing to do with the aperture closing down device. The aperture is closed down by turning the light measuring lever, situated on the camera side, towards the lens

Light measured at closed down aperture









the A-M ring to the M (Manual) side and the aperture will close down to the pre-set aperture Furthermore, when the pre-set aperture ring is manipulated after the A-M ring has been set

sired aperture stop and turn

at M position, the pre-set aperture ring can be used as a manually-operated aperture When the A-M ring is reset at

A the aperture will return to maximum opening.