

# FD Series (For Full-Aperture Metering or AE Operation)

| Type                | Lens                                              | Construction Elements | Groups | Angle of View | Minimum Aperture | Closest Focusing Distance (m) | Filter Size (mm) | Hood          | Length (mm)    | Weight (g) | Weight (lbs.) | (oz.) |        |
|---------------------|---------------------------------------------------|-----------------------|--------|---------------|------------------|-------------------------------|------------------|---------------|----------------|------------|---------------|-------|--------|
| Full-Frame FlashEye | FlashEye FD 135mm f/2.8 S.S.C.                    | 10                    | 9      | 180°          | f/16             | 3                             | 1                | Four Built-in | 655            | 2-5/8      | 460           | 1     |        |
| Super Wide-Angle    | FD 17mm f/4 S.S.C.                                | 11                    | 9      | 104°          | f/22             | 25                            | 100(mm)          | 72            | None           | 56         | 2-1/16        | 400   | 1      |
|                     | FD 20mm f/2.8 S.S.C.                              | 10                    | 9      | 94°           | f/22             | 25                            | 100(mm)          | 72            | None           | 56         | 2-1/16        | 345   | 12     |
|                     | ***FD 35mm f/1.4 S.S.C. ASPHERICAL                | 8                     | 10     | 84°           | f/16             | 3                             | 1                | 72            | ---            | 68         | 2-1/16        | 500   | 1      |
|                     | FD 24mm f/2.8 S.S.C.                              | 9                     | 8      | 83°           | f/16             | 3                             | 1                | 55            | †BW-55B        | 52.5       | 2-1/16        | 390   | 11-1/2 |
| Wide-Angle          | ***FD 28mm f/2.8 S.C.                             | 7                     | 7      | 75°           | f/22             | 3                             | 1                | 55            | †BW-55B        | 49         | 1-15/16       | 380   | 9-4/5  |
|                     | FD 35mm f/3.5 S.C.                                | 6                     | 6      | 75°           | f/16             | 4                             | 1.5              | 55            | †BW-55B        | 43         | 1-11/16       | 290   | 9      |
|                     | ***FD 35mm f/2.8 S.S.C.                           | 9                     | 8      | 64°           | f/16             | 3                             | 1                | 55            | †BW-55A        | 60         | 2-3/8         | 370   | 13     |
|                     | FD 35mm f/3.5 S.C.                                | 6                     | 6      | 64°           | f/16             | 4                             | 1.5              | 55            | †BW-55A        | 49         | 1-15/16       | 380   | 10     |
|                     | ***FD 50mm f/1.4 S.S.C.                           | 7                     | 6      | 46°           | f/16             | 45                            | 1.5              | 55            | †BS-55         | 49         | 1-15/16       | 305   | 11     |
| Standard            | FD 50mm f/1.8 S.S.C.                              | 6                     | 4      | 46°           | f/16             | 5                             | 2                | 55            | †BS-55         | 48.5       | 1-3/4         | 255   | 9      |
|                     | FD 55mm f/1.2 S.S.C.                              | 7                     | 5      | 43°           | f/16             | 6                             | 2                | 58            | †BS-58         | 52.5       | 2-1/16        | 310   | 1      |
|                     | FD 55mm f/1.2 S.S.C. ASPHERICAL                   | 8                     | 6      | 43°           | f/16             | 6                             | 2                | 58            | †BS-58         | 55         | 2-1/16        | 375   | 1      |
| Macro               | FD 55mm f/3.5 S.S.C. Macro With Life Size Adapter | 6                     | 4      | 40°           | f/22             | 20.5(cm)                      | 8.4(cm)          | 55            | None Necessary | 59.5       | 2-1/16        | 310   | 11     |
| Short               | FD 55mm f/1.8 S.S.C.                              | 6                     | 4      | 29°           | f/16             | 5                             | 3                | 55            | †BT-55         | 57         | 2-1/4         | 430   | 15     |
| Telephoto           | FD 100mm f/2.8 S.S.C.                             | 5                     | 6      | 34°           | f/22             | 1                             | 3.5              | 55            | †BT-55         | 57         | 2-1/4         | 360   | 12-1/2 |
| Telephoto           | FD 135mm f/2.5 S.C.                               | 6                     | 5      | 18°           | f/22             | 1.5                           | 6                | 58            | Built-in       | 91         | 3-9/16        | 430   | 1      |
|                     | FD 135mm f/3.5 S.C.                               | 4                     | 3      | 18°           | f/22             | 1.5                           | 5                | 55            | †BT-55         | 83         | 3-1/4         | 465   | 1      |
|                     | ***FD 200mm f/2.8 S.S.C.                          | 5                     | 5      | 12°           | f/22             | 1.8                           | 6                | 72            | Built-in       | 140.5      | 5-1/2         | 700   | 1      |
|                     | FD 200mm f/4 S.S.C.                               | 6                     | 5      | 12°           | f/22             | 2.5                           | 8                | 55            | Built-in       | 133        | 5-1/4         | 675   | 1      |
|                     | FD 300mm f/5.6 S.C.                               | 6                     | 5      | 8°            | f/22             | 4                             | 13               | 58            | Built-in       | 175        | 6-13/16       | 1,125 | 2      |
|                     | FD 300mm f/4 S.S.C.                               | 10                    | 10     | 64°-32°       | f/22             | 1                             | 1                | 55            | Exclusive      | 120        | 4-3/4         | 575   | 1      |
| Zoom                | FD 85-300mm f/4.5 S.S.C.                          | 15                    | 11     | 29°-8°        | f/22             | 2.5                           | 8                | Series III    | Built-in       | 245.5      | 9-9/16        | 1,695 | 3      |
|                     | FD 100-300mm f/5.6 S.C.                           | 8                     | 5      | 24°-12°       | f/22             | 2.5                           | 8                | 55            | Built-in       | 179        | 6-13/16       | 765   | 1      |

## FL and Manual Series (For Stopped-Down Metering)

| Type                          | Lens                                               | Construction Elements | Groups | Angle of View | Minimum Aperture | Closest Focusing Distance (m) | Filter Size (mm) | Hood      | Length (mm) | (g)     | Weight (oz.) |       |    |
|-------------------------------|----------------------------------------------------|-----------------------|--------|---------------|------------------|-------------------------------|------------------|-----------|-------------|---------|--------------|-------|----|
| Flash                         | FlashEye 75mm f/5.6 S.S.C.                         | 11                    | 8      | 180°          | f/22             | Fixed Focus                   | Six Built-in     | None      | 62          | 2-7/16  | 360          | 13    |    |
| Tilt and Shift                | TS 35mm f/2.8 S.S.C.                               | 9                     | 8      | 64°/79°       | f/22             | 3                             | 1                | 58        | Exclusive   | 74.5    | 2-15/16      | 545   | 1  |
| Believe Macro                 | FLM 105mm f/4                                      | 5                     | 3      | 24°           | f/22             | Focusing by Bellows           | 48               | None      | 43          | 1-11/16 | 220          | 7-1/2 |    |
| Super Telephoto               | ***FL 400mm f/5.6                                  | 7                     | 5      | 6.2°          | f/32             | 4.5                           | 15               | †† 48     | Exclusive   | 398     | 13-15/16     | 3,890 | 8  |
|                               | ***FL 600mm f/5.6                                  | 6                     | 5      | 4.1°          | f/32             | 10                            | 35               | †† 48     | Built-in    | 448     | 15-5/8       | 5,000 | 11 |
|                               | ***FL 800mm f/8                                    | 7                     | 5      | 3.1°          | f/32             | 18                            | 60               | †† 48     | Built-in    | 508     | 7            | 5,360 | 11 |
|                               | ***FL 1200mm f/11 S.S.C.                           | 7                     | 5      | 2.1°          | f/64             | 40                            | 130              | †† 48     | Built-in    | 813     | 29-9/16      | 6,100 | 13 |
| Artificial Fluorite Telephoto | ***FL 300mm f/2.8 S.S.C. FLUORITE with Extender 2x | 6                     | 5      | 8°            | f/32             | 3.5                           | 12               | Exclusive | Built-in    | 231     | 9-1/16       | 2,340 | 5  |
|                               | FL 300mm f/5.6 FLUORITE                            | 7                     | 6      | 8°            | f/22             | 4                             | 13               | 58        | Built-in    | 168     | 6-11/16      | 850   | 1  |
|                               | FL 500mm f/5.6 FLUORITE                            | 6                     | 5      | 5°            | f/22             | 10                            | 33               | 95        | Built-in    | 300     | 11-13/16     | 2,700 | 5  |

S.S.C. = Super Spectra Coating

S.C. = Spectra Coating

\*Equipped with a coating on for Canon Auto Taping System.

\*\*Fixed component interchangeable type. Focusing slider (2 elements).

1 group, FL, aspherical, diaphragm, with A.M. ring

\*\*\*Not to be mounted in the rear barrel.

Available by special order.

†FD lens hood are of bayonet mount.

†† Filter is of insertion type with holder.

††† Maximum focusing capability to 30cm (1 ft.) from film plane.

Subject to change without notice.

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# For the Photographer with an Eye to Perfection

**Canon**  
**FD**  
**LENSES**

English Edition



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# Canon FD LENSES

Canon has developed a series of high performance interchangeable lenses of the highest quality with full aperture metering which are probably the most complete optical assortment in photography today. The FD series of lenses also include special lenses, such as fish-eye, tilt and shift, aspherical lenses and lenses using artificial fluoric. The use of multilayer antireflection optical coatings and the adoption of Canon's unique focusing mechanism make the series of FD lenses a photographer's dream come true.

## Fish-eye

- ① Canon Lens Fish-eye 7.5mm f/5.6 S.S.C. An equidistant projection type of fish-eye lens, which can be used to see a 180° field-of-view through the viewfinder without fixing the mirror upward.
- ② Canon Lens Fish-eye FD 15mm f/2.8 S.S.C. This is a fish-eye lens for general photography with an angle-of-view of 180°. It is the smallest fish-eye lens in the world.

## Super-wide-angle • Wide-angle

- ③ Canon Lens FD 17mm f/5 S.S.C. An incomparable 17mm wide-angle lens, providing distortion-free, sharp images from corner to corner. A built-in Floating System eliminates curvature of field. Can also be used for copy work.
- Canon Lens FD 20mm f/2.8 S.S.C.
- Canon Lens FD 24mm f/2.8 S.S.C.
- Canon Lens FD 28mm f/2.8 S.C. (Will be marketed soon.)
- ④ Canon Lens FD 28mm f/3.5 S.C. Compact, lightweight, and delivering sharp image. Easy to use. Hand-held picture taking.
- Canon Lens FD 35mm f/2 S.C.
- Canon Lens FD 35mm f/3.5 S.C.

An easy-to-use and compact wide-angle lens for snapshot shooting. It has a distance coupling pin for the CAT system of automatic flash photography.

## Telephoto

- ⑤ Canon Lens FD 85mm f/1.8 S.S.C. One of Canon's latest developments which adds the long-focus characteristics of this type of high quality lens to the FD series. Incredibly sharp images from the exceptionally bright aperture of f/1.8 all the way to f/22.
- ⑥ Canon Lens FD 100mm f/2.8 S.S.C. One of the easiest to use telephoto lenses, with the added advantages of being lightweight and compact. Its telephoto ratio of 1:0.93 makes possible an overall length of 57mm, the size of most standard lenses. Very sharp especially for close focusing. Extremely well suited for taking portraits.
- ⑦ Canon lens FD 135mm f/2.5 S.C. This lens is the fastest of all the FD telephoto lenses. It is very compactly designed, having a short telephoto ratio of 1:0.98. Suitable for indoor sports, theater and live stage performances.
- Canon Lens FD 135mm f/3.5 S.C.
- ⑧ Canon Lens FD 200mm f/4 S.S.C. The most compactly designed 200mm telephoto lens of the 200mm class. Because of compensation of field of curvature and other aberrations, high contrast and a sharp image are obtained throughout the entire focusing range.
- Canon Lens FD 200mm f/2.8 S.S.C. (Will be marketed soon.)
- ⑨ Canon Lens FD 300mm f/5.6 S.C. A high performance, compact telephoto lens with a short telephoto ratio of 1:0.72. Has a rotating tripod attachment collar and a built-in lens hood. This lens also gives stabilized performance under temperature fluctuations down to -30°C.

## Fluorite • Super-telephoto

- ⑩ Canon Lens FL 300mm f/5.6 FLUORITE An unexcelled quality super-telephoto lens, its optical system employs fluorite crystal lens material to completely eliminate secondary spectrum and curvature of field. The most compact telephoto lens.
- Canon Lens FL 300mm f/2.8 S.S.C.
- Canon Lens FL 500mm f/5.6 FLUORITE
- Canon Lens FL 400mm f/5.6

A convertible front component super-telephoto lens. By simply changing the front component, the focal length can be adjusted from 400mm to 600mm, 800mm and 1200mm. The rear components are contained in the optional Canon Focusing Unit.

- Canon Lens FL 600mm f/5.6
- Canon Lens FL 800mm f/8
- Canon Lens FL 1200mm f/11 S.S.C.

## Zoom

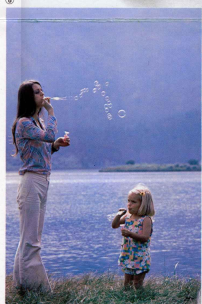
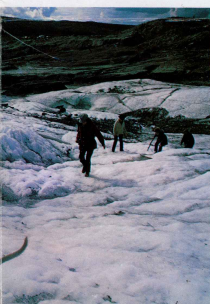
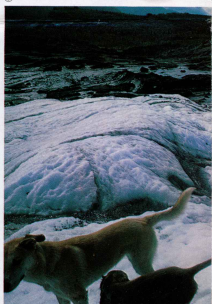
- ⑪ Canon Lens Zoom FD 35-70mm f/2.8-3.5 S.S.C. Designed to further strengthen the resourcefulness of a zoom, this remarkable 2x lens selects the 35mm focal length at the wide angle limit. It boasts a high lens speed of f/2.8.
- ⑫ Canon Lens FD 100-200mm f/5.6 S.C. A compact, lightweight zoom lens. Its zoom ratio is adjusted to 2:1 for convenient operation. The built-in automatic aperture diaphragm mechanism further improves its snapshot shooting performance. Also suitable for shooting scenery and sports.
- ⑬ Canon Lens FD 85-300mm f/4.5 S.S.C. A high performance zoom lens with a high zoom ratio of approximately 3.5, the fastest lens in this class. Superior image delineation power is delivered through the entire focusing range, even in corner areas of the lens.

## Special

- ⑭ Canon Lens TS 35mm f/2.8 S.S.C. A special wide-angle lens, which makes it possible to control perspective and depth of field by tilting and shifting. An incomparable lens in which flare is completely eliminated at full aperture f/stop.
- ⑮ Canon Macro Lens FD 50mm f/3.5 S.S.C. An all-around lens, which covers the entire shooting range from ordinary photography to close-up and 1:1 size copy work.
- Below Lens FLM 100mm f/4

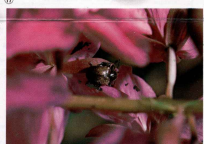
## Aspherical

- ⑯ Canon Lens FD 55mm f/1.2 S.S.C. ASPHERICAL The highest quality large aperture standard lens using an aspherical surface, which provides superior image delineation even at full aperture under dimly lit conditions.
- Canon Lens FD 24mm f/1.4 S.S.C. ASPHERICAL (Will be marketed soon.)



⑬ Shifted

Normal



⑮

