

**SIGMA**

**LENS**  
CATALOGUE



# LENS TECHNOLOGY

Sigma lens technology enables the photographer to express his own sensitivity through images.

Sigma has refined optical technology, in order to fully realize the possibilities of single lens reflex cameras and to respond exactly to the demands of the photographer, helping him to bring his visions to reality.



## ■ The high quality lens series of Sigma.

### DC (Digital Camera) Lenses:

**DC for DIGITAL**

For these special digital single-lens reflex camera lenses, the image circle has been designed to match the image elements which correspond to the APS-C size. The original technology gathered during the development of the SD series of digital single-lens reflex cameras has been used to realize optical abilities most suitable for digital images. This high-performance lens series combines the technologies and know-how for lens power arrangement, coating design, etc., accumulated during long years of developing interchangeable lenses for single-lens reflex cameras, with up-to-date digital image technology. Reduction of the image circle diameter makes it possible to reduce the size and the weight of the lens, and contributes widely to the handling characteristics at the time of taking pictures.

\* Use is not possible for digital single-lens reflex cameras with image elements larger than the APS-C equivalent size, 35 mm single-lens reflex cameras, and APS film single-lens reflex cameras. In case of such use, vignetting occurs on the screen and in the resulting images.

### DG (Digital) Lenses:

**DG for DIGITAL**

The most suitable lenses for 35 mm film single-lens reflex cameras, as well as for digital SLR cameras. Sigma's development of the DG (Digital) range of lenses has concentrated on the correction of distortion and aberrations. Magnification of chromatic aberration is particularly conspicuous with digital cameras. The optical designs and cutting-edge technology incorporated by Sigma eliminate flare and ghosting from the image sensor and create excellent color balance. Vignetting is minimized whilst marginal illumination is ensured. These high performance lenses are equally suited for digital and analogue cameras.

## ■ SIGMA Advanced Lens Technology.

### EX Lens:

**EX**

The excellent features of these Sigma lenses, such as new optical and mechanical design concept, superior performance, perfect handling, ultra compact design, durability etc., are symbolized by the EX mark.

### Aspherical Lens:

**ASP.**

The aspherical lens complex allows freedom of design, improved performance, a reduced number of component lenses and a compact size.

### APO Lens:

**APO**

In order to attain the highest quality images, the APO lens has been made using Special Low-Dispersion (SLD) glass and is designed to minimize color aberration.

### Optical Stabilizer (OS):

**OS**

This function utilizes a built-in mechanism that compensates for camera shake. It dramatically expands photographic possibilities by alleviating camera movement when shooting hand held.

### Hyper-Sonic Motor (HSM):

**HSM**

This lens uses a motor driven by ultrasonic waves to provide a quiet, high-speed AF.

### Rear Focus:

**RF**

This lens is equipped with a system that moves the rear lens group for high-speed, silent focusing.

### Inner Focus:

**IF**

To ensure stability in focusing, this lens moves the inner lens group or groups without changing the lens' physical length.

### Conv. (APO Teleconverter EX):

**CONV.**

This lens can be used with the APO Teleconverter EX. It can increase the focal length and will interface with the camera's AE (automatic exposure) function.



# DC LENS FOR DIGITAL SLR CAMERA

Pursuing the pleasure of photography in a technological age. Lenses especially designed and optimized to complement the characteristics of digital cameras. Reducing the size of the image circle improves the image quality of digital SLRs and makes a lightweight and compact construction possible.

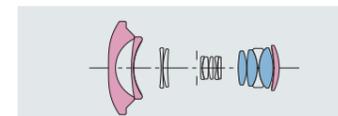


17-70 mm F2.8-4.5 DC MACRO

## DC FOR DIGITAL

**10-20mm F4-5.6 EX DC**  
**10-20mm F4-5.6 EX DC HSM**

EX ASP. IF HSM



• Lens Construction: 10 Groups, 14 Elements  
 • Minimum Focusing Distance: 24 cm (9.4 in.)  
 • Magnification: 1:6.7 • Filter Size: ø 77 mm

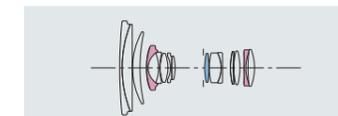
This is an ultra-wide zoom lens for digital SLR camera use only. SLD glass is used for superior correction of magnification and chromatic aberrations. And, aspherical lens elements are used not only to obtain maximum correction for distortion and various aberrations, but also to display high image quality throughout the entire zoom range. Equipped with HSM, this lens makes fast AF speeds and quiet shooting a reality, and it is also capable of full-time manual focus. The lens has a minimum focusing distance of 24 cm (9.4 inches) throughout the entire zoom range.

\* The angles of view will vary, depending on which camera model the lens is used with.

## DC FOR DIGITAL

**17-70mm F2.8-4.5 DC MACRO**

ASP. IF



• Lens Construction: 12 Groups, 15 Elements  
 • Minimum Focusing Distance: 20 cm (7.9 in.)  
 • Magnification: 1:2.3 • Filter Size: ø 72 mm

This is a large-aperture standard zoom lens for digital cameras, that provides wide angle and telephoto capabilities. This lens has a minimum focusing distance of 20 cm (7.9 inches) throughout the zoom range, and a maximum reproduction ratio of 1:2.3. It covers the most frequently used focal lengths, and it makes an F2.8 open aperture (at 17 mm setting) a reality. Because of its power distribution and optimized coatings, this lens reduces flare and ghost images. The use of SLD (Special Low Dispersion) glass and aspherical lenses was adopted to provide excellent correction for all types of aberration.

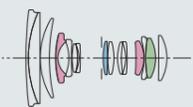
\* The angles of view will vary, depending on which camera model the lens is used with.



10-20 mm F4-5.6 EX DC HSM

**NEW DC FOR DIGITAL**  
18-50mm F2.8 EX DC MACRO

EX ASP. IF



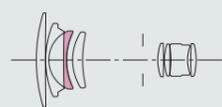
•Lens Construction; 13 Groups, 15 Elements  
•Minimum Focusing Distance; 20 cm (7.9 in.)  
•Magnification; 1:3 •Filter Size; ø 72 mm

This is a large-aperture standard zoom lens for digital camera use only, with an open-aperture value of F2.8 throughout the entire zoom range. SLD glass, ELD glass, and an aspherical lens enable this lens to be housed in a compact size and also maximize its performance. A Super Multi-Layer Coating minimizes the occurrence of flare and ghosting. The lens ensures superior peripheral brightness bright image with little vignetting. It has a minimum focusing distance of 20 cm (7.9 inches) throughout the entire zoom range and a maximum magnification of 1:3.0, which is very convenient for close-up photography.

\* The angles of view will vary, depending on which camera model the lens is used with.

**DC FOR DIGITAL**  
18-50mm F3.5-5.6 DC

ASP.



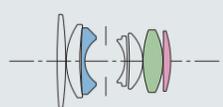
•Lens Construction; 8 Groups, 8 Elements  
•Minimum Focusing Distance; 25 cm (9.8 in.)  
•Magnification; 1:3.5 •Filter Size; ø 58 mm

This zoom lens was specially designed to suit the characteristics of digital cameras. The image circle was designed to match the size of the image sensors of most digital SLR cameras, and this has resulted in a compact, lightweight lens. The use of aspherical lenses provides correction for various aberrations and makes high-quality images a reality throughout the entire zoom range. The lens has a minimum focusing distance of 25 cm (9.8 inches) at all focal lengths and is capable of macro photography with a maximum close-up photography magnification of 1:3.5.

\* The angles of view will vary, depending on which camera model the lens is used with.

**DC FOR DIGITAL**  
30mm F1.4 EX DC  
30mm F1.4 EX DC HSM

EX ASP. HSM



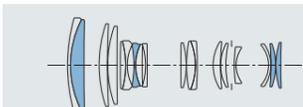
•Lens Construction; 7 Groups, 7 Elements  
•Minimum Focusing Distance; 40 cm (15.7 in.)  
•Magnification; 1:10.4 •Filter Size; ø 62 mm

This is a large-aperture standard lens for digital cameras, with a fast F1.4 aperture. SLD (Special Low Dispersion) and ELD (Extraordinary Low Dispersion) glass elements are used to obtain the best possible correction for magnification and chromatic aberrations, which are particular problems for digital cameras. The aspherical lens element delivers superior image quality, with sharp, vivid images across the entire focusing range. Equipped with HSM, this lens makes fast AF speeds and quiet shooting a reality, and it is also capable of full-time manual focus.

\* The angles of view will vary, depending on which camera model the lens is used with.

**NEW DC FOR DIGITAL**  
APO 50-150mm F2.8 EX DC HSM

EX APO IF HSM CONV.



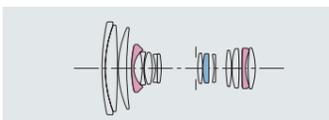
•Lens Construction; 14 Groups, 18 Elements  
•Minimum Focusing Distance; 100 cm (39.4 in.)  
•Magnification; 1:5.3 •Filter Size; ø 67 mm

It is compact and lightweight, with a weight of 780 g (27.5 oz.), a maximum diameter of 76.3 mm (3 inches), and a length of 132.6 mm (5.2 inches) for Nikon. The latest optical technologies are condensed into this lens for the utmost correction of various aberrations and the minimum occurrence of flare and ghosting. The lens has a minimum focusing distance of 1m (39.4 inches). The HSM-equipped model makes fast AF speeds and quiet shooting a reality, and it also has full-time manual focus override. The lens also accepts designated Tele Converters, available as an optional accessory.

\* The angles of view will vary, depending on which camera model the lens is used with.

**DC FOR DIGITAL**  
18-125mm F3.5-5.6 DC

ASP. IF



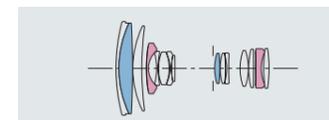
•Lens Construction; 14 Groups, 15 Elements  
•Minimum Focusing Distance; 50 cm (19.7 in.)  
•Magnification; 1:5.3 •Filter Size; ø 62 mm

This is a special digital 6.9 times high-performance zoom lens covering the entire range from wide angle to tele by a single lens. The use of SLD (Special Low Dispersion) glass and aspheric lenses offers good correction of the various aberrations and realization of high-quality images over the zoom range, as well as allowing a compact and lightweight construction. The minimum focusing distance is 50 cm (19.7 inches), over the zoom range, and a maximum close-up photography magnification of 1:5.3 is obtained.

\* The angles of view will vary, depending on which camera model the lens is used with.

**DC FOR DIGITAL**  
18-200mm F3.5-6.3 DC

ASP. IF

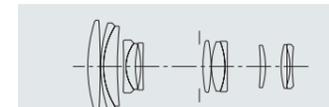


•Lens Construction; 13 Groups, 15 Elements  
•Minimum Focusing Distance; 45 cm (17.7 in.)  
•Magnification; 1:4.4 •Filter Size; ø 62 mm

This is a high-performance 11.1X zoom lens for digital SLR camera use only. SLD glass and aspherical lens elements, enable this extended range zoom lens to be housed in a compact and lightweight construction and offers high image quality throughout the entire zoom range. The new lens coatings reduce flare and ghost. The minimum focusing distance of 45 cm (17.7 inches) throughout the entire zoom range allows a maximum reproduction ratio of up to 1:4.4. It also has an inner focus system, so it accepts a Petal-type hood, as well as a circular polarizing filter.

\* The angles of view will vary, depending on which camera model the lens is used with.

**DC FOR DIGITAL**  
55-200mm F4-5.6 DC



•Lens Construction; 9 Groups, 12 Elements  
•Minimum Focusing Distance; 110 cm (43.3 in.)  
•Magnification; 1:4.5 •Filter Size; ø 55 mm

We took digital characteristics into consideration when designing this lens' power layout, making high-quality images a reality throughout the entire zoom range. The image circle was designed to match the size of the sensors of most digital SLR cameras, and this resulted in a compact, lightweight lens. In the field, the lens is light on its feet and ideal for shooting remote subjects.

\* The angles of view will vary, depending on which camera model the lens is used with.

•In the drawing of the lens composition, the symbols mean the following: (pink circle) Aspherical lens (blue circle) SLD glass (green circle) ELD glass.  
\* Product pictures show Sigma SA mount lenses; appearance of the product may be different depending on the mount type.

# WIDE ZOOM LENS

The angle of view and perspective change, according to focal length.

A wide zoom lens is particularly suitable for a variety of applications such as architectural, landscape and travel photography. Group shots are captured with ease.



12-24 mm F4.5-5.6 EX DG ASPHERICAL HSM



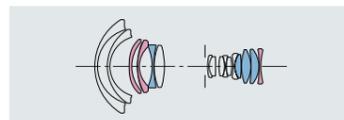
17-35 mm F2.8-4 EX DG ASPHERICAL HSM

## DG FOR DIGITAL

### 12-24mm F4.5-5.6 EX DG ASPHERICAL

### 12-24mm F4.5-5.6 EX DG ASPHERICAL HSM

EX ASP. IF HSM



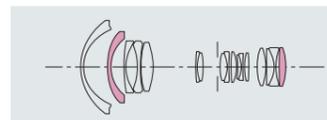
•Lens Construction; 12 Groups, 16 Elements  
•Minimum Focusing Distance; 28 cm (11.0 in.)  
•Magnification; 1:7.1 •Filter Type; Gelatin filter

This award winning, ultra-wide zoom lens starting from 12 mm is ideal for 35 mm, as well as, digital SLR cameras. With an incredible angle of view of 122°, this lens opens up a brand-new world of photography. The HSM equipped model makes fast AF speeds and quiet shooting a reality. It also benefits from full-time manual focus. With four SLD (Special Low Dispersion) glass elements and three aspherical lenses, this lens provides the utmost correction of chromatic and other aberrations, and at the same time delivers superior image quality.

## DG FOR DIGITAL

### 15-30mm F3.5-4.5 EX DG ASPHERICAL

EX ASP. IF



•Lens Construction; 13 Groups, 17 Elements  
•Minimum Focusing Distance; 30 cm (11.8 in.)  
•Magnification; 1:6 •Filter Type; Gelatin filter

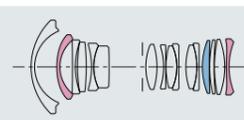
This is an ultra-wide zoom lens that covers a large wide-angle range from 15 mm to 30 mm. With a minimum focusing distance of 30 cm (11.8 inches) throughout the entire zoom range, it is an ideal lens for Digital SLR Cameras. With aspherical lenses in the front and rear lens groups, this lens has excellent correction for distortion — a particular problem for zoom lenses — and for all types of aberration, and it displays a high level of optical performance. The lens is equipped with an integral Petal-type hood to block out extraneous light.

## DG FOR DIGITAL

### 17-35mm F2.8-4 EX DG ASPHERICAL

### 17-35mm F2.8-4 EX DG ASPHERICAL HSM

EX ASP. IF HSM



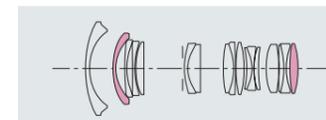
•Lens Construction; 13 Groups, 16 Elements  
•Minimum Focusing Distance; 27 cm (10.6 in.)  
•Magnification; 1:4.5 •Filter Size; ø 77 mm

This is a large-aperture wide-angle zoom lens that covers an ultra-wide angle of view of 104°. With this lens, Sigma has achieved a minimum focusing distance of 27 cm (10.6 inches) at all focal lengths and a maximum magnification of 1:4.5. The HSM-equipped model makes fast AF speeds and quiet shooting a reality, and it also features full-time manual focus. With one SLD (Special Low Dispersion) glass element and two aspherical lenses, this lens provides excellent correction for distortion as well as all types of aberration.

## DG FOR DIGITAL

### 20-40mm F2.8 EX DG ASPHERICAL

EX ASP. IF



•Lens Construction; 13 Groups, 17 Elements  
•Minimum Focusing Distance; 30 cm (11.8 in.)  
•Magnification; 1:4.6 •Filter Size; ø 82 mm

This is a large-aperture wide zoom lens that covers focal lengths from an ultra-wide angle range of 20 mm to a near standard lens focal length of 40 mm, with a bright maximum aperture of F2.8 throughout the entire zoom range. The lens has a minimum focusing distance of 30 cm (11.8 inches) at all focal lengths and a maximum magnification of 1:4.6. It is the ideal lens for Digital SLR Cameras. With aspherical lenses in the front and rear lens groups, the lens has excellent correction for distortion, as well as all types of aberration, and it displays a high level of optical performance.

•In the drawing of the lens composition, the symbols mean the following: ●: Aspherical lens ●: SLD glass ●: ELD glass.  
\* Product pictures show Sigma SA mount lenses; appearance of the product may be different depending on the mount type.

# WIDE LENS

A wide angle of view and a short shooting distance produce pictures filled with individuality. Bold composition, extreme perspective and personal expression are indicative of these wide angle lenses.



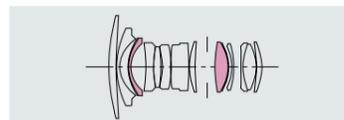
20 mm F1.8 EX DG ASPHERICAL RF

## DG FOR DIGITAL 20mm F1.8 EX DG ASPHERICAL RF

EX ASP. RF



This 20 mm super-wide-angle lens offers an angle of view of 94.5° and a large aperture of F1.8. It allows close-ups with a minimum focusing distance of less than 20 cm (7.9 inches) and a working distance lens to subject of 6.5 cm (2.6 inches). The use of aspherical lens elements effectively compensates for distortion, spherical aberration, and astigmatism. With minimal vignetting, superior peripheral brightness is ensured. The rear focus system eliminates the need for the front of the lens to rotate, thus allowing the use of a "Petal-type hood."



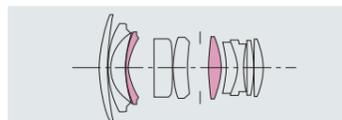
•Lens Construction; 11 Groups, 13 Elements  
•Minimum Focusing Distance; 20 cm (7.9 in.)  
•Magnification; 1:4 •Filter Size; ø 82 mm

## DG FOR DIGITAL 24mm F1.8 EX DG ASPHERICAL MACRO

EX ASP.



This large-aperture wide-angle lens has a maximum magnification of 1:2.7. The use of a floating focus system enables a minimum shooting distance of 18 cm (7.1 inches). With minimal vignetting, superior peripheral brightness is ensured. Two aspherical lens elements help compensate for distortion and aberrations. This lens' focus system incorporates a linear-motion and a non-rotating front barrel, and is supplied with a "Petal-type hood."



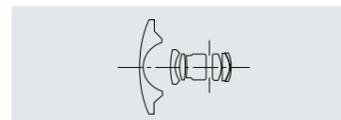
•Lens Construction; 9 Groups, 10 Elements  
•Minimum Focusing Distance; 18 cm (7.1 in.)  
•Magnification; 1:2.7 •Filter Size; ø 77 mm

## DG FOR DIGITAL 15mm F2.8 EX DG DIAGONAL FISHEYE

EX



This full frame fisheye lens has an angle of view of 180° across the diagonal. It is an ideal lens for Digital SLR cameras. By taking advantage of both the distortion aberration specific to fisheye lenses and the minimum shooting distance of 15 cm (5.9 inches), the photographer can shoot creative images. This lens has an insertion-type gelatin filter holder at the rear, allowing the use of gelatin filters.



•Lens Construction; 6 Groups, 7 Elements  
•Minimum Focusing Distance; 15 cm (5.9 in.)  
•Magnification; 1:3.8 •Filter Type; Gelatin filter



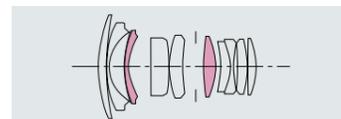
15 mm F2.8 EX DIAGONAL FISHEYE

## DG FOR DIGITAL 28mm F1.8 EX DG ASPHERICAL MACRO

EX ASP.



This large-aperture wide-angle lens boasts a maximum magnification of 1:2.9. Its floating focus system enables close-ups up to a minimum shooting distance lens to subject of less than 20 cm (7.9 inches). With minimal vignetting, superior peripheral brightness is ensured. Aspherical lens elements are used to compensate for distortion and aberrations. The focus mechanism employs a linear-motion focus system with a non-rotating front barrel and an easy-to-use "Petal-type hood" is provided as a standard accessory.



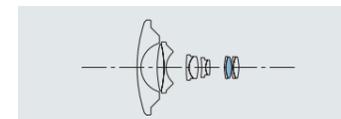
•Lens Construction; 9 Groups, 10 Elements  
•Minimum Focusing Distance; 20 cm (7.9 in.)  
•Magnification; 1:2.9 •Filter Size; ø 77 mm

## NEW DG FOR DIGITAL 8mm F3.5 EX DG CIRCULAR FISHEYE

EX



This circular fisheye lens creates a circular image with a 180-degree angle of view when used on a full frame digital or 35 mm film camera. It has an F3.5 open-aperture value, a minimum focusing distance of 13.5 cm (5.3 inches), and a maximum magnification of 1:4.6. It permits creative expression by allowing the production of special distorted images. Occurrence of flare and ghosting is minimized with a Super Multi-Layer Coating. SLD (Special Low Dispersion) glass is used for superior correction of chromatic aberration and excellent image quality.



•Lens Construction; 6 Groups, 11 Elements  
•Minimum Focusing Distance; 13.5 cm (5.3 in.)  
•Magnification; 1:4.6 •Filter Type; Gelatin filter

\* Full circle can only be captured with full frame 35 mm format digital SLR and film SLR cameras.



28-300 mm F3.5-6.3 DG MACRO

## STANDARD ZOOM LENS

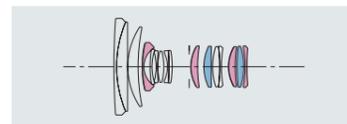
A standard zoom lens is a useful first lens. The effects of a number of lenses can be obtained with this single lens. Wideangle, standard and telephoto focal lengths are all combined in one lens to produce a convenient and versatile zoom, which caters for the photographer's creativity.



24-70 mm F2.8 EX DG MACRO

### DG FOR DIGITAL 24-60mm F2.8 EX DG

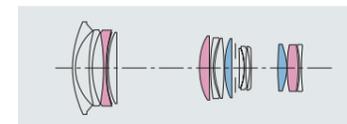
EX ASP. 1F



- Lens Construction; 15 Groups, 16 Elements
- Minimum Focusing Distance; 38 cm (15.0 in.)
- Magnification; 1:5.8 • Filter Size; ø 77 mm

### DG FOR DIGITAL 24-70mm F2.8 EX DG MACRO

EX ASP.



- Lens Construction; 13 Groups, 14 Elements
- Minimum Focusing Distance; 40 cm (15.7 in.)
- Magnification; 1:3.8 • Filter Size; ø 82 mm

A compact large-aperture zoom lens optimized for digital cameras. The maximum aperture F-value is 2.8 over the entire zoom range. The minimum focusing distance is 38 cm (15 inches), throughout the zoom range. Effective arrangement of SLD (Special Low Dispersion) glass provides good correction for the magnification chromatic aberration, which can become a problem especially for digital cameras. As the front barrel of the lens does not rotate at the time of focusing, attachment of a custom petal-type hood, excellent for blocking out extraneous light, is possible, and circular polarizing filters also can be used easily.

Large-aperture zoom starting from 24 mm and realizing a maximum aperture F-value of 2.8. Aspheric lenses and SLD (Special Low Dispersion) glass are used to realize good correction of chromatic aberration and high-quality images. The minimum focusing distance is 40 cm (15.7 inches), over the zoom range, and macro photography with a maximum magnification of 1:3.8 also is possible. As the front element does not rotate at the time of focusing, a petal-type hood excellent for blocking out extraneous light, can be attached.

• In the drawing of the lens composition, the symbols mean the following: (pink circle) Aspherical lens (blue circle) SLD glass (green circle) ELD glass.  
\* Product pictures show Sigma SA mount lenses; appearance of the product may be different depending on the mount type.



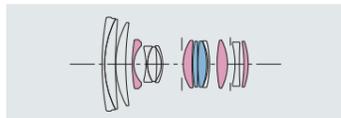
24-60 mm F2.8 EX DG



28-300 mm F3.5-6.3 DG MACRO

**DG FOR DIGITAL**  
**28-70mm F2.8 EX DG**

EX ASP. IF

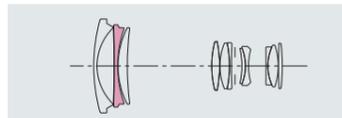


•Lens Construction; 12 Groups, 14 Elements  
•Minimum Focusing Distance; 33 cm (13.0 in.)  
•Magnification; 1:4.4 •Filter Size; ø 67 mm

A compact large-aperture zoom lens optimized for digital cameras. The maximum aperture F-value is 2.8 over the zoom range. Two SLD (Special Low Dispersion) glass elements and four aspherical lenses, provide excellent correction for distortion as well as all types of aberration. The minimum focusing distance is 33 cm (13 inches) over the zoom range and a maximum close-up photography magnification of 1:4.4. As the front barrel of the lens does not rotate during the focusing, attachment of a petal-type hood excellent for blocking out extraneous light is possible, and circular polarizing filters can also be used easily.

**DG FOR DIGITAL**  
**28-70mm F2.8-4 DG**

ASP.

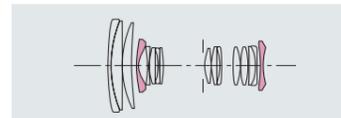


•Lens Construction; 8 Groups, 11 Elements  
•Minimum Focusing Distance; 50 cm (19.7 in.)  
•Magnification; 1:6.5 •Filter Size; ø 58 mm

This standard zoom lens is ideal for Digital SLR cameras, and has an F2.8 large aperture (at the 28 mm setting), and yet it is compact and lightweight, with an overall length of 62.5 mm (2.5 inches) and weight of 255 g (9 oz.). This lens comes into its own when active people need a lens that can keep up with them. The new multi layer coating of this lens cuts down flare and ghosting. A perfect solution for film and digital SLR cameras. The minimum focusing distance is 50 cm (19.7 inches) throughout the entire zoom range. Aspherical lens elements are used for excellent correction of distortion.

**DG FOR DIGITAL**  
**28-200mm F3.5-5.6 DG MACRO**

ASP. IF

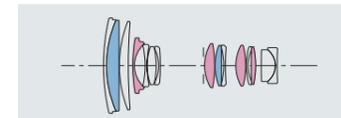


•Lens Construction; 14 Groups, 16 Elements  
•Minimum Focusing Distance; 48 cm (18.9 in.)  
•Magnification; 1:3.8 •Filter Size; ø 62 mm

The new multi layer coating technology reduces flare and ghosting. This zoom lens features a high zoom ratio and optimized for digital SLR cameras. Covering from 28 mm wide angle to 200 mm telephoto, this lens has the most frequently used focal range. It also has a minimum focusing distance of 48 cm (18.9 inches) at all zoom settings, so taking close-ups is no problem. With two aspherical lenses, it has excellent correction for all types of aberration, and displays a high level of optical ability.

**DG FOR DIGITAL**  
**28-300mm F3.5-6.3 DG MACRO**

ASP. IF



•Lens Construction; 13 Groups, 15 Elements  
•Minimum Focusing Distance; 50 cm (19.7 in.)  
•Magnification; 1:3 •Filter Size; ø 62 mm

Compact High Performance Zoom Lens with a large 10.7:1 Zoom Ratio, optimized for digital SLR cameras. The new lens coating reduces flare and ghost. This lens features a length of 86 mm (3.4 inches), a maximum diameter of 74 mm (2.9 inches), and a filter size of just 62 mm. It has a minimum focusing distance of 50 cm (19.7 inches) throughout the entire zoom range, is capable of macro photography with a 1:3 maximum photography magnification at the 300 mm setting. With two SLD glass elements and four aspherical lenses, this lens provides excellent correction for all types of aberrations.

•In the drawing of the lens composition, the symbols mean the following: ● Aspherical lens ● SLD glass ● ELD glass.  
\* Product pictures show Sigma SA mount lenses; appearance of the product may be different depending on the mount type.

# TELEPHOTO ZOOM LENS

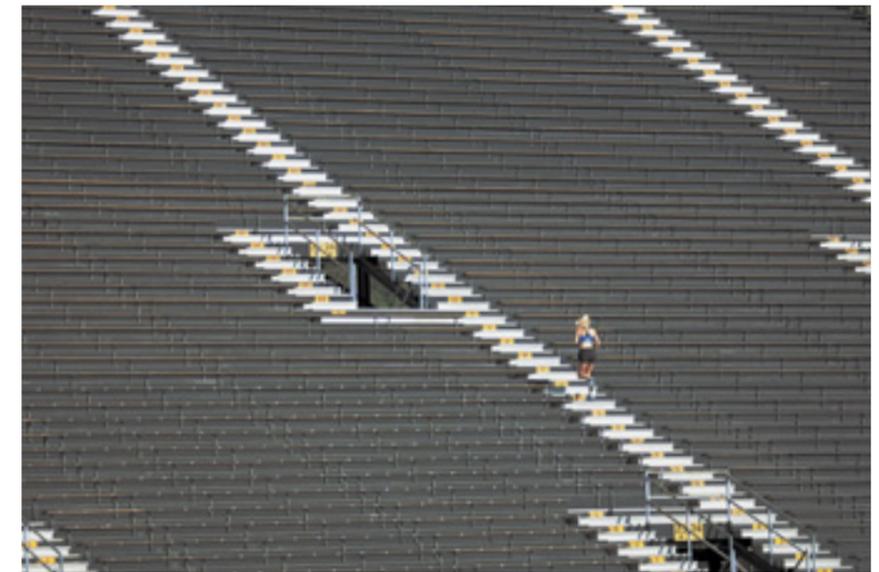
Telephoto zoom lenses can manipulate the apparent distance from the subject.

This control of perspective can produce presence and impact.

Dramatic images of wildlife and sporting activity are only made possible by the use of these specialist lenses.



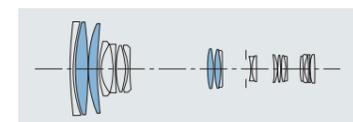
APO 50-500 mm F4-6.3 EX DG HSM



APO 120-300 mm F2.8 EX DG HSM

**DG for DIGITAL**  
**APO 50-500 mm F4-6.3 EX DG**  
**APO 50-500 mm F4-6.3 EX DG HSM**

EX APO RF HSM CONV.

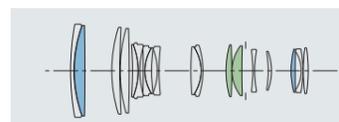


•Lens Construction; 16 Groups, 20 Elements  
 •Minimum Focusing Distance; 100-300 cm (39.4-118.1 in.)  
 •Magnification; 1:5.2 •Filter Size; ø 86 mm

This lens covers focal lengths from the standard-to-super telephoto range that's ideal for film and digital cameras. SLD (Special Low Dispersion) glass is used for superior correction of chromatic aberration. The HSM-equipped models provide quiet and high-speed AF, as well as full-time manual focusing. And by adding an APO 1.4X Tele Converter, you can use this lens as a 140-700 mm F7.3-8.8 MF lens, or with a 2X Tele Converter, as a 200-1000 mm F10.4-12.6 MF lens. (With a Tele Converter mounted on the lens, the zoom control can be set between 100 mm and 500 mm.)

**NEW DG for DIGITAL**  
**APO 70-200 mm F2.8 EX DG MACRO HSM**

EX APO IF HSM CONV.

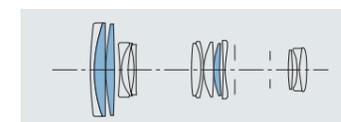


•Lens Construction; 15 Groups, 18 Elements  
 •Minimum Focusing Distance; 100 cm (39.4 in.)  
 •Magnification; 1:3.5 •Filter Size; ø 77 mm

This is a large-aperture telephoto zoom lens for digital cameras, that has a minimum focusing distance of 100 cm (39.4 inches) and maximum reproduction ratio of 1:3.5. It is designed to unleash the power of close-up photography. With super multi-layer lens coatings, it reduces the occurrence of flare and ghosting. SLD and ELD glass is used for superior correction of chromatic aberration and for high picture quality throughout the entire zoom range. The HSM makes fast AF speeds and quiet shooting a reality, and its total length does not change during focusing or zooming. Its effective focal length can be extended by optional 1.4X or 2X APO Teleconverter.

**DG for DIGITAL**  
**APO 70-300 mm F4-5.6 DG MACRO**

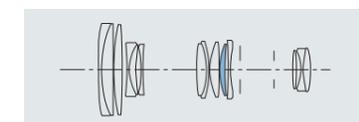
APO



•Lens Construction; 10 Groups, 14 Elements  
 •Minimum Focusing Distance; 150\*(95) cm (59.1\*(37.4) in.)  
 •Magnification; 1:4.1\*(1:2) •Filter Size; ø 58 mm

This telephoto zoom lens effectively optimized for use with digital and 35 mm SLR cameras. This lens has two SLD (Special Low Dispersion) glass elements in the front lens group and one in the rear lens group for correction of chromatic aberration throughout the entire zoom range. It is capable of macro photography with a 1:2 maximum close-up magnification at the 300 mm focal length. It also has a switch for changeover to macro photography at focal lengths between 200 mm and 300 mm.

**DG for DIGITAL**  
**70-300 mm F4-5.6 DG MACRO**

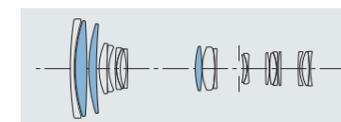


•Lens Construction; 10 Groups, 14 Elements  
 •Minimum Focusing Distance; 150\*(95) cm (59.1\*(37.4) in.)  
 •Magnification; 1:4.1\*(1:2) •Filter Size; ø 58 mm

This lens has a 1:2 maximum close-up magnification at the 300 mm focal length. Excellent cost performance telephoto zoom lens for digital and 35 mm SLR cameras. It also has a switch for changeover to macro photography at focal lengths between 200 mm and 300 mm. The minimum focusing distance is 1.5 m (59.1 inches) at all zoom settings. We used SLD (Special Low Dispersion) glass in this lens for excellent correction of chromatic aberration. It is effectively corrected for fluctuation of aberration due to focusing.

**DG for DIGITAL**  
**APO 80-400 mm F4.5-5.6 EX DG OS**

EX APO RF OS CONV.

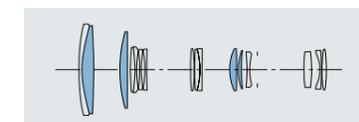


•Lens Construction; 14 Groups, 20 Elements  
 •Minimum Focusing Distance; 180 cm (70.9 in.)  
 •Magnification; 1:5 •Filter Size; ø 77 mm

Equipped with our Camera Shake Compensation System, this telephoto zoom lens is ideal for digital and 35 mm SLR cameras. Developed with Sigma's own technology, the OS (Optical Stabilizer) function uses two sensors inside the lens to detect vertical and horizontal movement of the camera. The system has two correction modes to handle all types of shooting conditions. SLD (Special Low Dispersion) glass is used for superior correction of chromatic aberration and excellent image quality. This lens is also capable of full-time manual focus.

**DG for DIGITAL**  
**APO 100-300 mm F4 EX DG**  
**APO 100-300 mm F4 EX DG HSM**

EX APO IF HSM CONV.



•Lens Construction; 14 Groups, 16 Elements  
 •Minimum Focusing Distance; 180 cm (70.9 in.)  
 •Magnification; 1:5 •Filter Size; ø 82 mm

This is a telephoto zoom lens with an F4 aperture throughout the entire zoom range, and with performance features that are perfect for digital and 35 mm SLR cameras. Two SLD (Special Low Dispersion) glass elements are used in the front lens group and two in the rear lens group for superior correction of chromatic aberration. The lens is easy to hold and use, because its length does not change during focusing or zooming. The HSM-equipped model makes fast AF speeds and quiet shooting a reality, and it is also capable of full-time manual focus.

•In the drawing of the lens composition, the symbols mean the following: ●: Aspherical lens ●: SLD glass ●: ELD glass.  
 \*The appearance of a lens varies by mount.



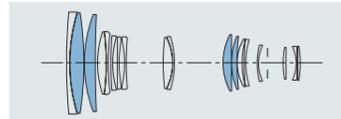
APO 120-300mm F2.8 EX DG HSM

**DG for DIGITAL**  
**APO 120-300mm F2.8 EX DG HSM**

EX APO IF HSM CONV.



This lens represents a revolutionary leap forward in ease of use. Ideal for digital and 35 mm SLR cameras, the lens has two SLD (Special Low Dispersion) glass elements in the front lens group and one in the rear lens group for excellent correction of chromatic aberration. And it is equipped with HSM for fast AF speeds and quiet shooting. By adding an optional APO 1.4X Tele Converter, you can use this lens as a 168-420 mm F4 AF lens, or with a 2X Tele Converter, as a 240-600 mm F5.6 AF lens.



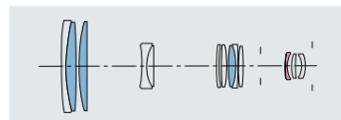
•Lens Construction; 16 Groups, 18 Elements  
 •Minimum Focusing Distance; 150–250 cm (59.1–98.4 in.)  
 •Magnification; 1:8.6 •Filter Size; ø 105 mm

**DG for DIGITAL**  
**APO 170-500mm F5-6.3 DG**

APO ASP. RF



This digitally optimized compact apochromatic ultra-telephoto zoom lens is ideal for taking sport, nature and landscape photographs. The five group zoom and rear focus systems ensure stability and ease of use. The use of aspherical lenses reduces distortion aberration to less than 1%. Three pieces of Special Low-Dispersion (SLD) glass compensate for secondary color aberration. High image quality is obtained throughout the entire zoom range. A removable tripod collar is included as a standard component, as a tripod should be used to prevent unintentional movement.



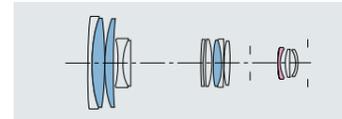
•Lens Construction; 11 Groups, 13 Elements  
 •Minimum Focusing Distance; 300–320 cm (118.1–126.0 in.)  
 •Magnification; 1:6.6 •Filter Size; ø 86 mm

**DG for DIGITAL**  
**APO 135-400mm F4.5-5.6 DG**

APO ASP. RF



This compact telephoto zoom lens is optimized for Digital SLR cameras. This lens uses one aspherical lens and three SLD (the special low dispersion) glasses for excellent correction of chromatic aberration. High image quality is assured throughout the entire zoom range. Color aberration in the secondary spectrum is compensated by using Special Low-Dispersion (SLD) glass. The five group zoom and rear focus systems ensure smooth auto focusing, stability, and ease of use. A removable tripod collar is included as a standard component, as a tripod should be used to prevent unintentional movement.



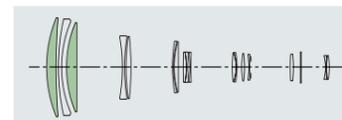
•Lens Construction; 11 Groups, 13 Elements  
 •Minimum Focusing Distance; 200–220 cm (78.7–86.6 in.)  
 •Magnification; 1:5.3 •Filter Size; ø 77 mm

**DG for DIGITAL**  
**APO 300-800mm F5.6 EX DG HSM**

EX APO IF HSM CONV.



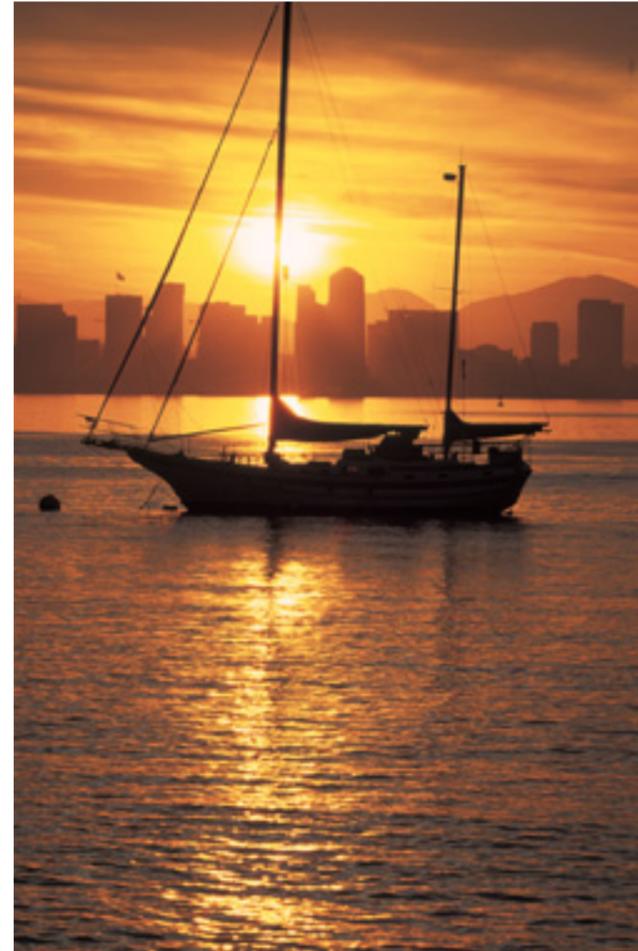
Specially designed for digital as well as 35 mm SLR cameras, by continuously varying the angle of view from 8.2° to 3.1°, the lens takes a lot of the footwork out of picture composition. The HSM makes for fast AF speeds and quiet shooting a reality, and it is also capable of full-time manual focus. And, by adding an optional APO 1.4X Tele Converter, you can use this lens as a 420-1120 mm F8 MF ultra-telephoto zoom lens, or with a 2X Tele Converter, as a 600-1600 mm F11 MF ultra-telephoto zoom lens.



•Lens Construction; 16 Groups, 18 Elements  
 •Minimum Focusing Distance; 600 cm (236.2 in.)  
 •Magnification; 1:6.9 •Filter Size; ø 46 mm (Rear)

# TELEPHOTO LENS

By bringing faraway objects up close, a telephoto lens helps you create high-impact photos. A telephoto lens also allows soft blurring of the background due to the shallower depth of field.



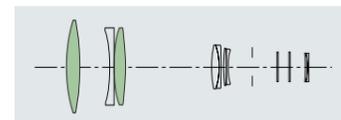
APO 500 mm F4.5 EX DG HSM

**DG for DIGITAL**  
**APO 500mm F4.5 EX DG**  
**APO 500mm F4.5 EX DG HSM**

EX APO IF HSM CONV.



This is a large-aperture 500 mm lens that is ideal for digital cameras. ELD glass is used to deliver high contrast and high resolution across the entire aperture range. The lens housing accommodates a rear insertion type filter. The HSM makes fast AF speeds and quiet shooting a reality, and it is also capable of full-time manual focus. And, by adding an optional APO 1.4X Tele Converter, you can use this lens as a 700 mm F6.3 MF lens, or with a 2X Tele Converter, as a 1000 mm F9 MF lens.



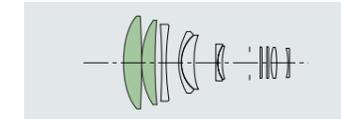
•Lens Construction; 8 Groups, 11 Elements  
 •Minimum Focusing Distance; 400 cm (157.5 in.)  
 •Magnification; 1:7.7 •Filter Size; ø 46 mm (Rear)

**DG for DIGITAL**  
**APO 300mm F2.8 EX DG**  
**APO 300mm F2.8 EX DG HSM**

EX APO IF HSM CONV.



Ideal for digital as well as 35 mm SLR cameras, this lens has ELD glass elements in the front lens group for sharp, high-contrast images. Its inner focus system makes focusing a snap. The HSM makes for fast AF speeds and quiet shooting a reality, and it is also capable of full-time manual focus. The lens takes a rear insertion type filter with its own revolving ring, as well as a circular polarizing filter. And, with the addition of an optional APO Tele Converter, the lens is still capable of high-speed auto focus.



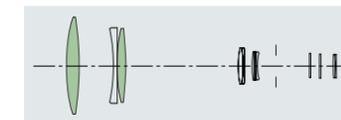
•Lens Construction; 9 Groups, 11 Elements  
 •Minimum Focusing Distance; 250 cm (98.4 in.)  
 •Magnification; 1:7.5 •Filter Size; ø 46 mm (Rear)

**DG for DIGITAL**  
**APO 800mm F5.6 EX DG**  
**APO 800mm F5.6 EX DG HSM**

EX APO IF HSM CONV.



This is a large-aperture 800 mm lens that is ideal for digital as well as 35 mm SLR cameras. ELD glass elements are used in the front lens group to deliver high contrast and high resolution across the entire aperture range. The lens housing accommodates a rear insertion type filter. The HSM makes fast AF speeds and quiet shooting a reality, and it is also capable of full-time manual focus. And by adding an optional APO 1.4X Tele Converter, you can use this lens as a 1120 mm F8 MF lens, or with a 2X Tele Converter, as a 1600 mm F11 MF lens.



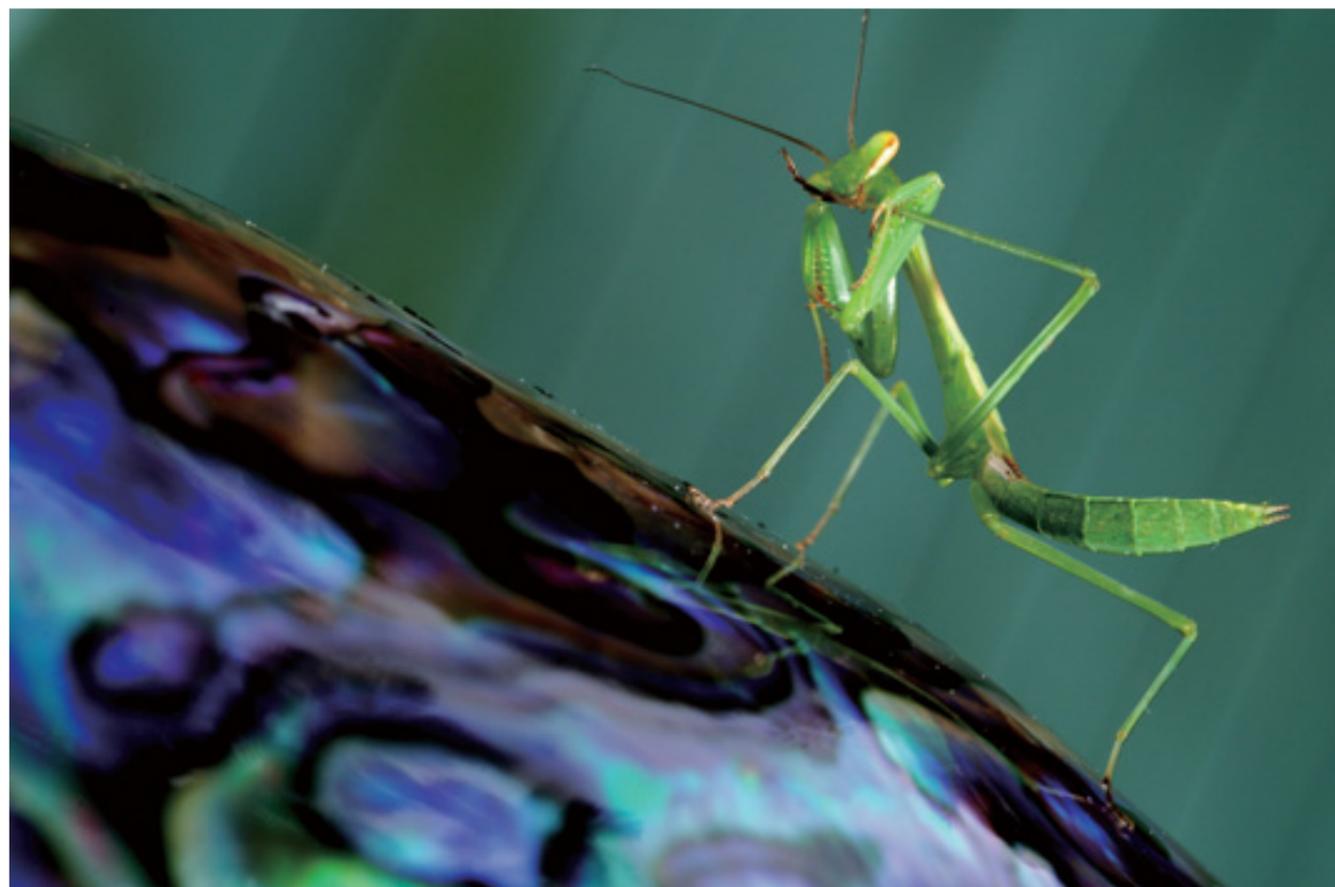
•Lens Construction; 9 Groups, 12 Elements  
 •Minimum Focusing Distance; 700 cm (275.6 in.)  
 •Magnification; 1:8.8 •Filter Size; ø 46 mm (Rear)

•In the drawing of the lens composition, the symbols mean the following: ●: Aspherical lens ●: SLD glass ●: ELD glass.  
 \* The appearance of a lens varies by mount.

# MACRO LENS

There is beauty and drama in the minute world right on your doorstep.

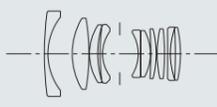
Macro lenses are indispensable for the close-up photography required to detect and record these magical scenes.



MACRO 70 mm F2.8 EX DG

## DG for DIGITAL MACRO 50mm F2.8 EX DG

EX

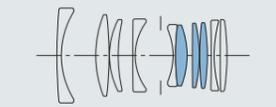


•Lens Construction; 9 Groups, 10 Elements  
•Minimum Focusing Distance; 18.8 cm (7.4 in.)  
•Magnification; 1:1 •Filter Size; ø 55 mm

This standard macro lens uses a floating system and can take high-quality images from life-size shots to distant objects. The performance is especially suitable for digital single-lens reflex cameras. The effects of magnification chromatic aberration, a specific problem for digital cameras, is reduced, and the correction of the various aberrations up to the periphery of the image is excellent. As a screw-type round hood is used, circular polarizing filters can be used easily. An aperture of F45 for greater depth of field is also provided (F32 for Nikon and Pentax).

## NEW DG for DIGITAL MACRO 70mm F2.8 EX DG

EX



•Lens Construction; 9 Groups, 10 Elements  
•Minimum Focusing Distance; 25.7 cm (10.1 in.)  
•Magnification; 1:1 •Filter Size; ø 62 mm

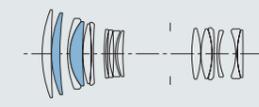
This large-aperture medium telephoto macro lens that delivers an angle of view equivalent to 70 mm in 35 mm size and 105 mm in APS-C size. A Special Low Dispersion (SLD) lens and two high refractive index SLD lenses provide excellent correction for chromatic aberration during close-up photography. "Super Multi Layer Coating" of this lens minimizes the occurrence of flare and ghosting. The floating focus system provides extremely high optical performance from infinity to 1:1 Macro. It's the ideal lens for all close-up work as well as for landscapes and portraits.



APO MACRO 150 mm F2.8 EX DG HSM

## DG for DIGITAL APO MACRO 150mm F2.8 EX DG HSM

EX APO IF HSM CONV.

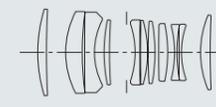


•Lens Construction; 12 Groups, 16 Elements  
•Minimum Focusing Distance; 38 cm (15.0 in.)  
•Magnification; 1:1 •Filter Size; ø 72 mm

This is a telephoto macro lens that is capable of life-size shots. Its performance makes it the perfect lens for digital and 35 mm SLR cameras. SLD (Special Low Dispersion) glass is effectively used to deliver superior correction of all types of aberrations, and, it is also capable of full-time manual focus. With the addition of an APO 1.4X Tele Converter, the lens can be used as a 210 mm F4 AF lens that automatically switches to MF when the subject is less than 0.52 m (20.5 inches) away. And with a 2X Tele Converter, it can be used as a 300 mm F5.6 MF lens.

## DG for DIGITAL MACRO 105mm F2.8 EX DG

EX

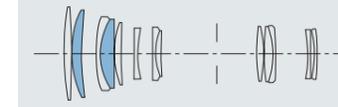


•Lens Construction; 10 Groups, 11 Elements  
•Minimum Focusing Distance; 31.3 cm (12.3 in.)  
•Magnification; 1:1 •Filter Size; ø 58 mm

A medium telephoto macro lens with high image quality. The performance is especially suitable for digital single-lens reflex cameras. The primary causes for ghosts and flares are eliminated by the lens power arrangement, lens construction and application of leading-edge coating technology of this lens. As a screw-type hood is used, circular polarizing filters can be used easily. An aperture of F45 for a large depth of field is also provided (F32 for Nikon and Pentax).

## DG for DIGITAL APO MACRO 180mm F3.5 EX DG APO MACRO 180mm F3.5 EX DG HSM

EX APO IF HSM CONV.



•Lens Construction; 10 Groups, 13 Elements  
•Minimum Focusing Distance; 46 cm (18.1 in.)  
•Magnification; 1:1 •Filter Size; ø 72 mm

Ideal for digital as well as 35 mm SLR cameras, this is a telephoto macro lens that is capable of life-size shots. Its floating inner focus system allows high performance. SLD (Special Low Dispersion) glass is used for superior correction of all types of aberrations. The HSM models provide full-time manual focus. With the addition of an APO 1.4X Tele Converter, the lens can be used as a 252 mm AF lens that automatically switches to MF when the subject is less than 1.2 m (47.2 inches) away (models with a Minolta mount or a Pentax mount are only capable of MF). And with a 2X Tele Converter, it can be used as a 360 mm MF lens.

# LENS KNOWLEDGE

Knowing your lenses means knowing photography.

The basics of lenses and an explanation of the technology used by Sigma to create these top quality instruments.



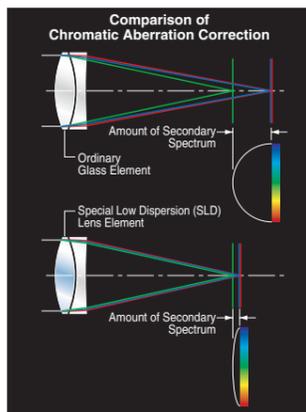
## LENS TECHNOLOGY

### •Aspherical Lenses

This lens provides high optical performance while maintaining a compact size. For example, the 12-24 mm f/4.5-5.6 EX DG ASPHERICAL lens widens the range of wide-angle lenses, and it provides distortion-free images with image reproduction performance equivalent to that of a single-focal length lens. Aspherical lenses allow the production of high-quality images from compact, lightweight telephoto zoom lenses.

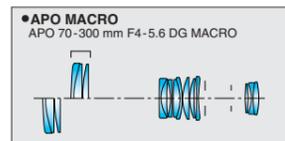
### APO (APO Lens)

SIGMA's APO zoom lenses minimize color aberration. As the refractive index of glass depends on the wavelength of light, color aberration occurs when different colors form images at different points. This problem often occurs with telephoto lenses, but the Special Low-Dispersion (SLD) glass and Extraordinary Low Dispersion (ELD) used in SIGMA's APO lenses helps to compensate for color aberration, thereby allowing them to produce sharp images.



### •APO MACRO

Although telephoto zoom lenses can be used closer to the object than fixed focal length telephoto lenses, there is still a minimum shooting distance. SIGMA has made this minimum distance smaller and developed the zoom MACRO lens for taking close-up



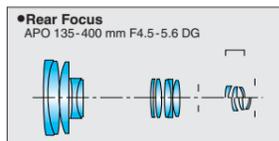
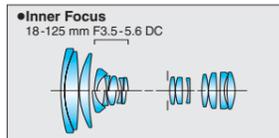
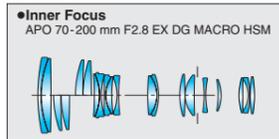
photographs of the same quality as those taken with a regular MACRO lens, while maintaining the performance specific to an APO lens. Rather than carrying around the cumbersome accessories required for close-up work, the photographer can now take photographs at a magnification of 1:2 (one half lifesize) using a telephoto lens, by quickly shifting from the normal setting to the full macro setting.

### •Inner and Rear Focus

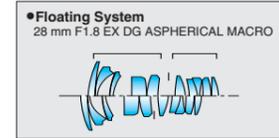
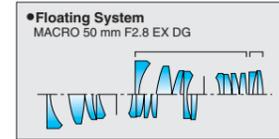
Conventional focusing has normally been performed by moving either all lens groups as a fixed unit or only the first lens group. AF cameras are now widely used, even for close-up photography. Consequently, demand has arisen for a focusing system that will keep the length of the lens unchanged while showing little fluctuation of aberration. In response to this demand, SIGMA has developed a new inner focus system that moves two lens groups inside the telephoto and telephoto MACRO lenses. This system has floating elements that substantially improve the close-up capability of the lens. The super wide angle lens having a large front-lens uses a rear focusing system to move the rear-lens apparatus and enhance the floating effect, and the 18-125 mm f/3.5-5.6 DC lens uses an inner focusing system to move the secondary lens apparatus. SIGMA has also succeeded in attaining a minimum shooting distance of 19.7 inches/0.5 m throughout the entire zoom range of this lens. The rear focus system ensures high-speed focusing with the APO 135-400 mm f/4.5-5.6 DG and APO 170-500 mm f/5-6.3 DG telephoto zoom lenses.

### •Floating System

The floating system is used to control



the focus. This system moves the different lens groups in the optical system to different positions, thereby minimizing the telescoping distance and the fluctuation of aberration at different shooting distances. This system is particularly effective for macro lenses (which encompass a wide range of shooting distances) and wide-angle lenses (for Single-Lens Reflex cameras) whose lens composition is asymmetric. SIGMA uses the floating system for the MACRO 50 mm f/2.8 EX DG lens and the large-aperture wide-angle 28 mm f/1.8 EX DG ASPHERICAL MACRO lenses.



### •DF (Dual Focus) System

The DF (Dual Focus) system disengages the linkage between the internal focusing mechanism and outer focusing ring when the focusing ring is moved to the AF position. This system provides easy and precise handling of the lens, since the focusing ring does not rotate during autofocus. The wide focusing ring also enables easy and accurate manual focusing.

### •OS (Optical Stabilizer) Function

Developed with Sigma's own technology, the OS (Optical Stabilizer) function uses two sensors inside the lens to detect both vertical and horizontal movement of the camera. This function, which works by moving an optical image stabilizing lens group, to effectively compensate for camera shake, helps to set our lenses apart from the rest. To handle all types of shooting conditions, the system has two optical stabilizer modes. Mode 1 determines camera shake in vertical and horizontal panning and compensates for image blurring. It is therefore effective for taking general photography or for shooting landscapes and other static subjects. Mode 2 detects vertical camera shake and compensates for blurring. It is effective for panning the camera to photograph moving subjects such as motor sports.



## PRINCIPLES OF THE LENS

### •Angle of View

The focal length determines the area in which objects can be reproduced on the image sensor surface. The angle of view is the area that the lens can photograph and is expressed in degrees. The angle of view indicated in the brochure is the angle relative to the diagonal line of 36 mm x 24 mm and 20.7 mm x 13.8 mm frames. As the focal length becomes larger, the field angle becomes smaller and the image larger.

### •f Value (f-Number; f-Stop)

The aperture settings of a lens are called f-numbers or f-stops. An f-number represents a ratio between lens focal length and the effective diameter of a given aperture. Because it is related to focal length, the f-number is also called the relative aperture. The f-number equals the focal length of the lens divided by the entrance pupil of the aperture. Aperture settings are marked so that each position changes the amount of light passing through the lens by a factor of 2: the light is either doubled, or reduced by one-half. That is, a high number represents a smaller aperture, one that stops twice as much light as the previous aperture. Conversely, a lower number represents a larger aperture, one that increases light twice as much as the previous number. The speed of a lens is the f-number of its maximum effective diameter — i.e., when the aperture is wide open.

### •Depth of Field

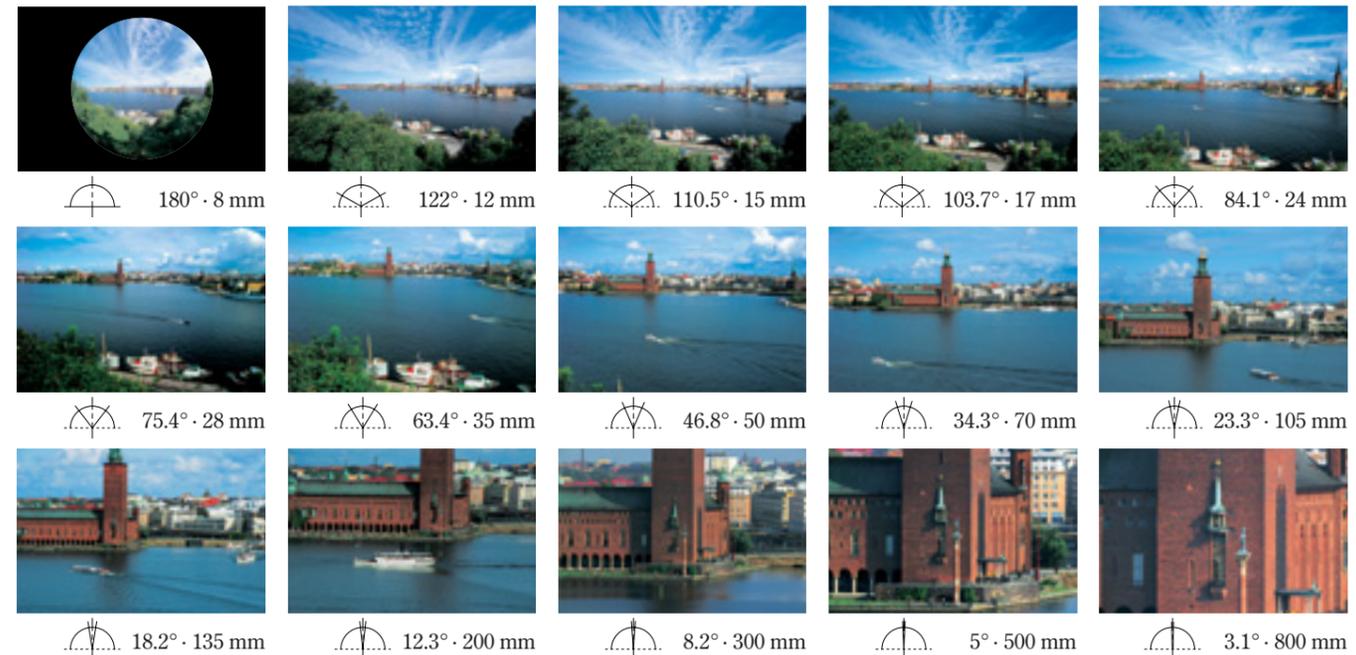
When you focus on an object, a certain area in front of and behind the object is also in focus; depth of field refers to the size of this area that is in focus. The depth of field or the range of focus becomes larger when you stop down (decrease the size of the aperture), or smaller when you open up (increase the size of the aperture). The depth of field is smaller at smaller shooting distances even when the aperture size remains unchanged, and is larger at larger shooting distances. The depth of field is also dependent on the focal length of the lens; it is larger for lenses of smaller focal lengths or wider angles, and smaller for lenses of larger focal lengths or telephoto lenses, if aperture and the distance camera to subject remain the same.



### •Perspective

Depending on the focal length of the lens, the background appears close to or further away from the object. This visual effect is called perspective. With a wide-angle lens the background will appear remote, and the distance from the subject to the background will be emphasized; when the focal length of a telephoto lens is large, the background will appear to be closer to the object. To take advantage of this effect, use a wide-angle lens to capture both the background and the object, and a telephoto lens to emphasize only the object.

## ANGLE OF VIEW AND FOCAL LENGTH



# SIGMA LENS LINEUP & LENS ACCESSORIES

This line-up enables the photographer to express himself completely.  
Sigma lens line-up including Tele Converters & lens accessories.

## DC LENS

 10-20 mm F4-5.6 EX DC 10-20 mm F4-5.6 EX DC HSM Lens case and Petal type lens hood (LH825-04) supplied.	 17-70 mm F2.8-4.5 DC MACRO Petal type lens hood (LH780-04) supplied.	 18-50 mm F2.8 EX DC MACRO Lens case and Petal type lens hood (LH780-04) supplied.	 18-50 mm F3.5-5.6 DC Lens hood (LH630-02) supplied.	 18-125 mm F3.5-5.6 DC Petal type lens hood (LH680-01) supplied.
 18-200 mm F3.5-6.3 DC Petal type lens hood (LH680-01) supplied.	 APO 50-150mm F2.8 EX DC HSM Lens case, lens hood (LH732-01) supplied.	 55-200 mm F4-5.6 DC Lens hood (LH595-01) supplied.	 30 mm F1.4 EX DC 30 mm F1.4 EX DC HSM Lens case and Petal type lens hood (LH715-01) supplied.	

## ZOOM LENS

 12-24 mm F4.5-5.6 EX DG ASPHERICAL 12-24 mm F4.5-5.6 EX DG ASPHERICAL HSM Lens case supplied.	 15-30 mm F3.5-4.5 EX DG ASPHERICAL Lens case supplied.	 17-35 mm F2.8-4 EX DG ASPHERICAL 17-35 mm F2.8-4 EX DG ASPHERICAL HSM Lens case and Petal type lens hood (LH825-04) supplied.	 20-40 mm F2.8 EX DG ASPHERICAL Lens case and Petal type lens hood (LH875-02) supplied.	 24-60 mm F2.8 EX DG Lens case and Petal type lens hood (LH825-03) supplied.
 24-70 mm F2.8 EX DG MACRO Lens case and Petal type lens hood (LH875-02) supplied.	 28-70 mm F2.8 EX DG Lens case and Petal type lens hood (LH730-02) supplied.	 28-70 mm F2.8-4 DG Lens hood (LH630-01) supplied.	 28-200 mm F3.5-5.6 DG MACRO Petal type lens hood (LH680-01) supplied.	 28-300 mm F3.5-6.3 DG MACRO Petal type lens hood (LH680-01) supplied.
 APO 50-500 mm F4-6.3 EX DG APO 50-500 mm F4-6.3 EX DG HSM Lens case, Petal type lens hood (LH935-01), shoulder strap and tripod socket (TS-31) supplied.	 APO 70-200 mm F2.8 EX DG MACRO HSM Lens case, Petal type lens hood (LH850-01) and tripod socket (TS-21) supplied.	 APO 70-300 mm F4-5.6 DG MACRO Lens case, lens hood (LH635-01) supplied.	 70-300 mm F4-5.6 DG MACRO Lens hood (LH635-01) supplied.	
 APO 80-400 mm F4.5-5.6 EX DG OS Lens case, lens hood (LH840-01), shoulder strap and tripod socket (TS-31) supplied.	 APO 100-300 mm F4 EX DG APO 100-300 mm F4 EX DG HSM Lens case, Petal type lens hood (LH890-01) and tripod socket (TS-21) supplied.	 APO 120-300 mm F2.8 EX DG HSM Lens case, lens hood (LH1134-01), shoulder strap and tripod socket (TS-41) supplied.		
 APO 135-400 mm F4.5-5.6 DG Lens case, lens hood (LH835-01) and tripod socket (TS-21) supplied.	 APO 170-500 mm F5-6.3 DG Lens case, lens hood (LH925-01) and tripod socket (TS-21) supplied.	 APO 300-800 mm F5.6 EX DG HSM Lens case, lens hood (LH1571-02), shoulder strap, and circular PL filter supplied. It is equipped with a fixed type tripod socket.		

## SINGLE FOCAL LENGTH LENS

 8 mm F3.5 EX DG CIRCULAR FISHEYE Lens case supplied.	 15 mm F2.8 EX DG DIAGONAL FISHEYE Lens case supplied.
 20 mm F1.8 EX DG ASPHERICAL RF Lens case and Petal type lens hood (LH875-02) supplied.	 24 mm F1.8 EX DG ASPHERICAL MACRO Lens case and Petal type lens hood (LH825-03) supplied.
 28 mm F1.8 EX DG ASPHERICAL MACRO Lens case and Petal type lens hood (LH825-03) supplied.	 MACRO 50 mm F2.8 EX DG Lens hood (LH550-02) supplied.
 MACRO 70 mm F2.8 EX DG Lens case, lens hood (LH620-01) supplied.	 MACRO 105 mm F2.8 EX DG Lens case, lens hood (LH580-03) supplied.
 APO MACRO 150 mm F2.8 EX DG HSM Lens case, lens hood (LH780-03) and tripod socket (TS-21) supplied.	 APO MACRO 180 mm F3.5 EX DG Lens case, lens hood (LH780-02) and tripod socket (TS-21) supplied.
 APO 300 mm F2.8 EX DG APO 300 mm F2.8 EX DG HSM Lens case, lens hood (LH1196-01), circular PL filter and tripod socket (TS-21) supplied.	 APO 500 mm F4.5 EX DG APO 500 mm F4.5 EX DG HSM Lens case, lens hood (LH1236-01), shoulder strap, and circular PL filter supplied. It is equipped with a fixed type tripod socket.
 APO 800 mm F5.6 EX DG APO 800 mm F5.6 EX DG HSM Lens case, lens hood (LH1571-01), shoulder strap, and circular PL filter supplied. It is equipped with a fixed type tripod socket.	

## TELE CONVERTER

CONV.

◆APO TELE CONVERTER 1.4x EX DG ◆APO TELE CONVERTER 2x EX DG

These are dedicated APO teleconverters that can be mounted between appropriate lenses and the camera body to increase the focal length by the power of 1.4 or 2 and are compatible with digital SLR cameras. They are also compatible with the lens autofocus function, depending on the open-aperture F value of the lens being used, and they work with the AE (Automatic Exposure) function, dispensing with complicated exposure calculations. They increase maximum photography magnification by 1.4x or 2x, without any variation in the minimum focusing distance. Compact and lightweight, these teleconverters convert your lenses into longer focal-length lenses, so you don't have to do a lot of unnecessary footwork.



## LENS ACCESSORIES

◆Lens hood

					
LH550-02	LH580-03	LH595-01	LH620-01	LH630-01	LH630-02
					
LH635-01	LH680-01	LH715-01	LH730-02	LH732-01	LH780-02
					
LH780-03	LH780-04	LH825-03	LH825-04	LH835-01	LH840-01
					
LH850-01	LH875-02	LH890-01	LH925-01	LH935-01	LH1134-01
					
LH1196-01	LH1236-01	LH1571-01	LH1571-02		

◆SIGMA DG Filter

The new DG filters benefit from super multi-layer lens coatings, developed to counteract the highly reflective characteristics of digital image sensors, reducing both flare and ghosting. Black rimmed glass eliminates unnecessary internal reflections. New DG filters deliver high performance on both digital SLR cameras and film SLR cameras.

	52 mm		52 mm
	55 mm		55 mm
	58 mm		58 mm
	62 mm		62 mm
	67 mm		67 mm
	72 mm		72 mm
	77 mm	77 mm	
	82 mm	82 mm	
	86 mm		86 mm
	95 mm		95 mm
	105 mm		105 mm

◆TRIPOD SOCKET TS-41

	This Tripod Socket can be used with APO 70-200 mm F2.8 EX DG MACRO HSM, APO100-300 mm F4 EX DG, APO 120-300 mm F2.8 EX DG HSM, APO 135-400 mm F4.5-5.6 DG, APO 170-500 mm F5-6.3 DG, APO MACRO 150 mm F2.8 EX DG, APO MACRO 180 mm F3.5 EX DG, APO 300 mm F2.8 EX DG lenses. It is larger than the standard tripod fitting supplied with these lenses providing even more stability. This tripod socket is supplied as a standard accessory with 120-300 mm F2.8 EX DG HSM lens.
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# SPECIFICATION

## The Major Distinguishing Characteristics of SIGMA Digital Lenses

AF (AUTO FOCUS)	AF Mount / UPC Code (please add 0085126 prefix in front)						APO Tele Converter		Lens Construction		Angle of view (SD format)	Number of blades in diaphragm	Minimum Aperture (wide)	Minimum Focusing Distance (cm / in.)	Magnification	Filter Size (ø mm)	Dimensions Diameter × Length (ø mm × mm / ø in. × in.)	Weight (g / oz.)	Hood (included)
	for SIGMA	for Sony	for Nikon	for Pentax	for Canon	Four Thirds	1.4x	2x	Groups	Elements									
10–20mm F4–5.6 EX DC / HSM	201401 (H)	201340 (D)	201555 (H)	201609	201272 (H)	—	—	—	10	14	102.4°–63.8°	6	22	24/ 9.4	1:6.7	77	83.5×81 / 3.3×3.2	465 / 16.4	LH825-04
17–70mm F2.8–4.5 DC MACRO	669560	669348 (D)	669591 (D)	669607	669270	—	—	—	12	15	72.4°–20.2°	7	22	20/ 7.9	1:2.3	72	79×82.5 / 3.1×3.2	455 / 16.0	LH780-04
18–50mm F2.8 EX DC MACRO	581565	581343 (D)	581596 (D)	581602	581541	581589	—	—	13	15	69.3°–27.9°	7	22	20/ 7.9	1:3	72	79×85.8 / 3.1×3.4	450 / 15.9	LH780-04
18–50mm F3.5–5.6 DC	521400	521349 (D)	521448 (D)	521455	521271	521585	—	—	8	8	69.3°–27.9°	7	22	25/ 9.8	1:3.5	58	67.5×62 / 2.7×2.4	250 / 8.8	LH630-02
18–125mm F3.5–5.6 DC	789404	789343 (D)	789442 (D)	789459	789275	789589	—	—	14	15	69.3°–11.4°	7	22	50/ 19.7	1:5.3	62	70×77.7 / 2.8×3.1	385 / 13.6	LH680-01
18–200mm F3.5–6.3 DC	777401	777340 (D)	777449 (D)	777456	777272	—	—	—	13	15	69.3°–7.1°	7	22	45/ 17.7	1:4.4	62	70×78.1 / 2.8×3.1	405 / 14.3	LH680-01
50–150mm F2.8 APO EX DC HSM	690564 (H)	—	690557 (H)	—	690540 (H)	—	AF	AF	14	18	27.9°–9.5°	9	22	100/ 39.4	1:5.3	67	76.3×135.1 / 3.0×5.3	770 / 27.2	LH732-01
55–200mm F4–5.6 DC	684402	684341 (D)	684440 (D)	684457	684273	684587	—	—	9	12	25.5°–7.1°	8	22	110/ 43.3	1:4.5	55	71.5×87.1 / 2.8×3.4	310 / 10.9	LH595-01
30mm F1.4 EX DC / HSM	300401 (H)	300340 (D)	300555 (H)	300609	300272 (H)	300586 (H)	—	—	7	7	45°	8	16	40/ 15.7	1:10.4	62	76.6×59 / 3.0×2.3	400 / 14.1	LH715-01

•The (D) symbol in the UPC code indicates a D type lens. (H) means an HSM type lens. Nikon mount (H) lens is also compatible with D type. •Vignetting will occur if the lens is used with digital cameras with image sensors larger than APS-C size or 35 mm SLR cameras, APS Film cameras.

•The minimum shooting distance is measured from the image plane. •The data for maximum diameter x length, weight and minimum aperture setting (f/-stop) was obtained using a SIGMA mount. •The angle of view varies depending on the camera the lens is mounted on.

## The Major Distinguishing Characteristics of SIGMA Lenses

AF (AUTO FOCUS)	AF Mount / UPC Code (please add 0085126 prefix in front)						APO Tele Converter		Lens Construction		Angle of view (35 mm format)	Angle of view (SD format)	Number of blades in diaphragm	Minimum Aperture (wide)	Minimum Focusing Distance (cm / in.)	Magnification	Filter Size (ø mm)	Dimensions Diameter × Length (ø mm × mm / ø in. × in.)	Weight (g / oz.)	Hood (included)
	for SIGMA	for Sony	for Nikon	for Pentax	for Canon	Four Thirds	1.4x	2x	Groups	Elements										
12–24mm F4.5–5.6 EX DG ASPHERICAL / HSM *	200404 (H)	200343 (D)	200558 (H)	200459	200275 (H)	—	—	—	12	16	122°–84.1°	92.1°–54.8°	6	22	28/ 11.0	1:7.1	**	87×102.5 / 3.4×4.0	600 / 21.2	Built-in
15–30mm F3.5–4.5 EX DG ASPHERICAL	512408	512347 (D)	512446 (D)	512453	512279	—	—	—	13	17	110.5°–71.6°	79.3°–45.0°	8	22	30/ 11.8	1:6	**	87×132.5 / 3.4×5.2	620 / 21.9	Built-in
17–35mm F2.8–4 EX DG ASPHERICAL / HSM *	510404 (H)	510343 (D)	510558 (H)	510459	510275 (H)	—	—	—	13	16	103.7°–63.4°	72.4°–39.1°	8	22	27/ 10.6	1:4.5	77	83.5×88.7 / 3.3×3.5	560 / 19.8	LH825-04
20–40mm F2.8 EX DG ASPHERICAL	513405	513344 (D)	513443 (D)	513450	513276	—	—	—	13	17	94.5°–56.8°	63.8°–34.5°	9	22	30/ 11.8	1:4.6	82	89×107.8 / 3.5×4.2	600 / 21.2	LH875-02
24–60mm F2.8 EX DG *3	547400	547349 (D)	547448 (D)	547455	547271	—	—	—	15	16	84.1°–39.6°	54.8°–23.4°	9	22	38/ 15.0	1:5.8	77	83.6×87.2 / 3.3×3.4	550 / 19.4	LH825-03
24–70mm F2.8 EX DG MACRO	548407	548346 (D)	548445 (D)	548452	548278	—	—	—	13	14	84.1°–34.3°	54.8°–20.2°	9	32	40/ 15.7	1:3.8	82	88.7×115.5 / 3.5×4.5	715 / 25.2	LH875-02
28–70mm F2.8 EX DG *2	549404	549343 (D)	549442 (D)	549459	549275	—	—	—	12	14	75.4°–34.3°	47.9°–20.2°	9	22	33/ 13.0	1:4.4	67	74×87.2 / 2.9×3.4	510 / 18.0	LH730-02
28–70mm F2.8–4 DG	634407	634346 (D)	634445 (D)	634452	634278	—	—	—	8	11	75.4°–34.3°	47.9°–20.2°	8	22	50/ 19.7	1:6.5	58	67.5×62.5 / 2.7×2.5	255 / 9.0	LH630-01
28–200mm F3.5–5.6 DG MACRO *2	794408	794347 (D)	794446 (D)	794453	794279	—	—	—	14	16	75.4°–12.3°	47.9°–7.1°	8	22	48/ 18.9	1:3.8	62	70×77.7 / 2.8×3.1	400 / 14.1	LH680-01
28–300mm F3.5–6.3 DG MACRO	795405	795344 (D)	795443 (D)	795450	795276	—	—	—	13	15	75.4°–8.2°	47.9°–4.7°	8	22	50/ 19.7	1:3	62	74×86 / 2.9×3.4	490 / 17.3	LH680-01
50–500mm F4–6.3 APO EX DG / HSM	736408 (H)	736347	736552 (H)	736453	736279 (H)	736583 (H)	MF	MF	16	20	46.8°–5°	27.9°–2.9°	9	22	100–300 / 39.4–118.1	1:5.2	86	95×218.5 / 3.7×8.6	1,840 / 64.9	LH935-01
70–200mm F2.8 APO EX DG MACRO HSM *	569563 (H)	—	569556 (H)	—	569549 (H)	—	AF	AF	15	18	34.3°–12.3°	20.2°–7.1°	9	22	100/ 39.4	1:3.5	77	86.6×184.4 / 3.4×7.3	1,345 / 47.4	LH850-01
70–300mm F4–5.6 APO DG MACRO	508401	508340	508449 (D)	508456	508272	—	—	—	10	14	34.3°–8.2°	20.2°–4.7°	9	22	150*(95)/59.1*(37.4)	1:4.1*(1:2)	58	76.6×122 / 3.0×4.8	550 / 19.4	LH635-01
70–300mm F4–5.6 DG MACRO	509408	509347	509446 (D)	509453	509279	—	—	—	10	14	34.3°–8.2°	20.2°–4.7°	9	22	150*(95)/59.1*(37.4)	1:4.1*(1:2)	58	76.6×122 / 3.0×4.8	545 / 19.2	LH635-01
80–400mm F4.5–5.6 APO EX DG OS *	726560	—	726553 (D)	—	726546	—	MF	MF	14	20	30.3°–6.2°	17.7°–3.6°	9	32	180/ 70.9	1:5	77	95×192 / 3.7×7.6	1,750 / 61.7	LH840-01
100–300mm F4 APO EX DG / HSM	134563 (H)	134341 (D)	134556 (H)	134457	134549 (H)	—	AF	MF	14	16	24.4°–8.2°	14.2°–4.7°	9	32	180/ 70.9	1:5	82	92.4×226.5 / 3.6×8.9	1,440 / 50.8	LH890-01
120–300mm F2.8 APO EX DG HSM	135560 (H)	—	135553 (H)	—	135546 (H)	—	AF	AF	16	18	20.4°–8.2°	11.8°–4.7°	9	32	150–250 / 59.1–98.4	1:8.6	105	112.8×271 / 4.4×10.7	2,680 / 94.5	LH1134-01
135–400mm F4.5–5.6 APO DG	727406	727345	727444 (D)	727451	727277	—	—	—	11	13	18.2°–6.2°	10.5°–3.6°	9	32	200–220 / 78.7–86.6	1:5.3	77	83.5×183.6 / 3.3×7.2	1,245 / 43.9	LH835-01
170–500mm F5–6.3 APO DG	734404	734343	734442 (D)	734459	734275	—	—	—	11	13	14.5°–5°	8.4°–2.9°	9	32	300–320 / 118.1–126.0	1:6.6	86	92.5×232 / 3.6×9.1	1,345 / 47.4	LH925-01
300–800mm F5.6 APO EX DG HSM	595562 (H)	—	595555 (H)	—	595548 (H)	—	MF	MF	16	18	8.2°–3.1°	4.7°–1.8°	9	32	600/ 236.2	1:6.9	46 (Rear)	156.5×544 / 6.2×21.4	5,880 / 207.4	LH1571-02
8mm F3.5 EX DG CIRCULAR FISHEYE *2	485405	485344 (D)	485597 (D)	485603	485276	—	—	180°	6	11	180°	180°	6	22	13.5/ 5.3	1:4.6	**	73.5×68.6 / 2.9×2.7	400 / 14.1	—
15mm F2.8 EX DG DIAGONAL FISHEYE	476403	476342	476441 (D)	476458	476274	—	—	—	6	7	180°	98.0°	7	22	15/ 5.9	1:3.8	**	73.5×65 / 2.9×2.6	370 / 13.0	Built-in
20mm F1.8 EX DG ASPHERICAL RF	411404	411343 (D)	411442 (D)	411459	411275	—	—	—	11	13	94.5°	63.8°	9	22	20/ 7.9	1:4	82	88.6×89.5 / 3.5×3.5	520 / 18.3	LH875-02
24mm F1.8 EX DG ASPHERICAL MACRO	432409	432348 (D)	432447 (D)	432454	432270	—	—	—	9	10	84.1°	54.8°	9	22	18/ 7.1	1:2.7	77	83.6×82.5 / 3.3×3.2	485 / 17.1	LH825-03
28mm F1.8 EX DG ASPHERICAL MACRO	440404	440343 (D)	440442 (D)	440459	440275	—	—	—	9	10	75.4°	47.9°	9	22	20/ 7.9	1:2.9	77	83.6×82.5 / 3.3×3.2	500 / 17.6	LH825-03
50mm F2.8 EX DG MACRO	346409	346348	346447 (D)	346454	346270	—	—	—	9	10	46.8°	27.9°	7	45	18.8/ 7.4	1:1	55	71.4×66.5 / 2.8×2.6	320 / 11.3	LH550-02
70mm F2.8 EX DG MACRO *2	270568	270346 (D)	270599 (D)	270605	270544	—	—	—	9	10	34.3°	20.2°	9	22	25.7/ 10.1	1:1	62	76×95 / 3.0×3.7	525 / 18.5	LH620-01
105mm F2.8 EX DG MACRO	257408	257347	257446 (D)	257453	257279	257583	—	—	10	11	23.3°	13.5°	8	45	31.3/ 12.3	1:1	58	74×97.5 / 2.9×3.8	460 / 16.2	LH580-03
150mm F2.8 APO MACRO EX DG HSM *	104566 (H)	—	104559 (H)	—	104542 (H)	104580 (H)	AF*(MF)	MF	12	16	16.4°	9.5°	9	22	38/ 15.0	1:1	72	79.6×137 / 3.1×5.4	895 / 31.6	LH780-03
180mm F3.5 APO MACRO EX DG / HSM	105563 (H)	105341	105556 (H)	105457	105549 (H)	—	AF*(MF)	MF	10	13	13.7°	7.9°	9	32	46/ 18.1	1:1	72	80×182 / 3.1×7.2	965 / 34.0	LH780-02
300mm F2.8 APO EX DG / HSM	195564 (H)	195342	195557 (H)	195458	195540 (H)	—	AF	AF	9	11	8.2°	4.7°	9	32	250/ 98.4	1:7.5	46 (Rear)	119×214.5 / 4.7×8.4	2,400 / 84.6	LH1196-01
500mm F4.5 APO EX DG / HSM	184568 (H)	184346	184551 (H)	184452	184544 (H)	—	MF	MF	8	11	5°	2.9°	9	32	400/ 157.5	1:7.7	46 (Rear)	123×350 / 4.8×13.8	3,150 / 111.1	LH1236-01
800mm F5.6 APO EX DG / HSM	152567 (H)	152345	152550 (H)	152451	152543 (H)	—	MF	MF	9	12	3.1°	1.8°	9	32	700/ 275.6	1:8.8	46 (Rear)	156.5×521 / 6.2×20.5	4,900 / 172.8	LH1571-01

•The (D) symbol in the UPC code indicates a D type lens. (H) means an HSM type lens. Nikon mount (H) lens is also compatible with D type.

•\*: Teleconverter; [\*1] is capable of autofocus from 0.52m (20.5 inches) — infinity, and [\*2] is capable of autofocus from 1.2m (47.2 inches) — infinity (corresponding AF mount : Sigma, Nikon, and Canon). Depending on the camera model some restrictions of functions may apply. Also, some functions may be restricted by certain models of camera bodies. •An asterisk (\*) indicates the maximum magnification and the minimum

shooting distance when the built-in macro mode is used. •The minimum shooting distance is measured from the film surface. •The data for maximum diameter x length, weight and minimum aperture setting (f/-stop) was obtained using a SIGMA mount. •All SIGMA lens mounts are for Sigma lenses only and are fixed. They are compatible with all functions including AE programs. •Lenses of f/5.6 or smaller aperture cannot be

used for autofocus with the Nikon F-501 or F-401 (exceptions are the F-401S and the F-401X). •AF lenses have different appearances depending on the corresponding mount. •HSM equipped models of Nikon AF lenses allow auto-focus photography with Nikon Digital SLR cameras as well as Nikon F6, F5, F4 series, F100, F90, F90X, F80, F70, u2, u, PRONEA 600, PRONEA S, FUJIFILM FinePix S2 Pro, FinePix S3 Pro



Caution: To ensure the correct and safe use of the product, be sure to read the User's Manual carefully prior to operation.

# SIGMA

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