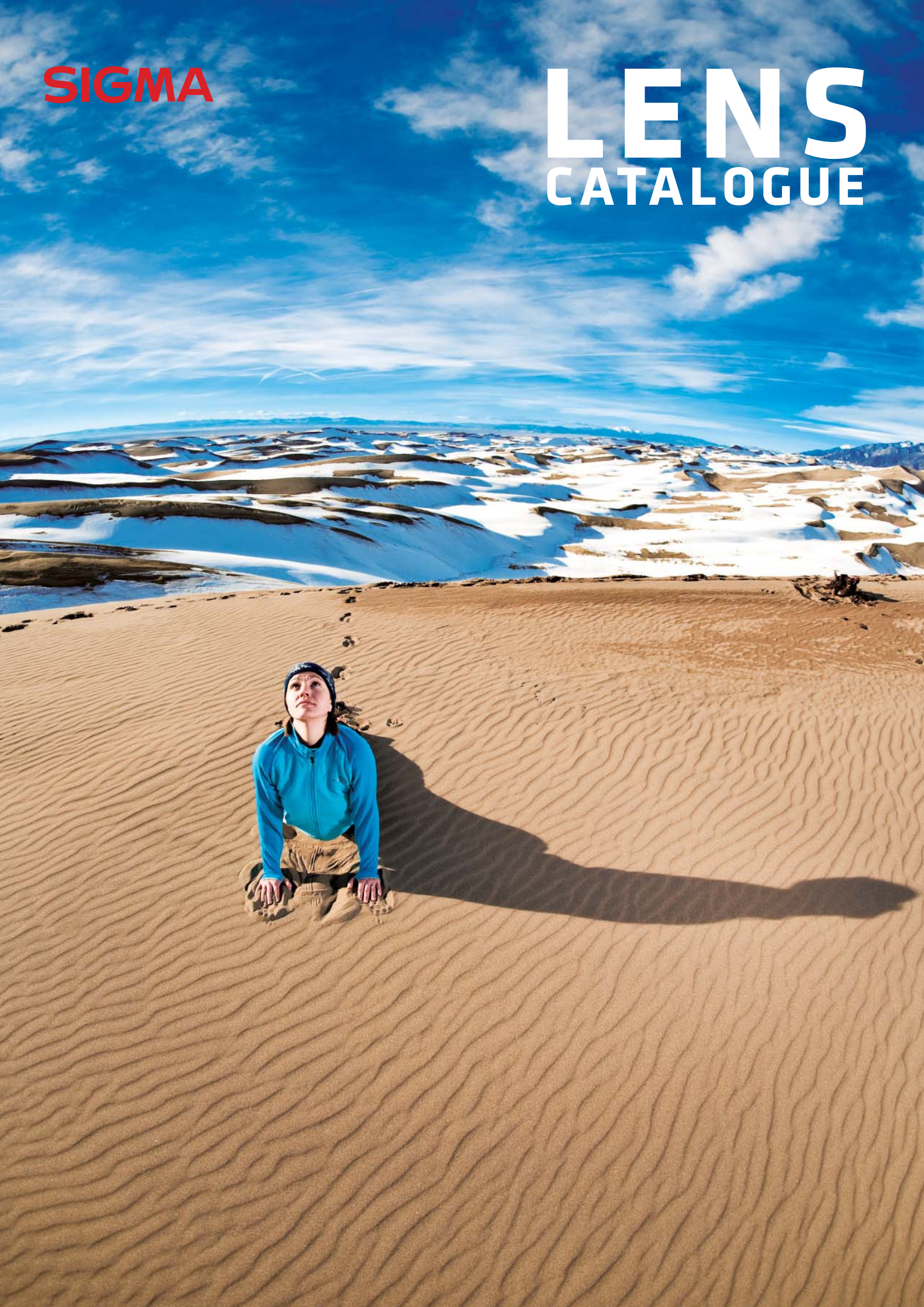


**SIGMA**

# LENS CATALOGUE





# LENS TECHNOLOGY

Sigma lens technology--what photographers always rely on when they want to express themselves through images.

**Sigma is always developing state-of-the-art optical technology to draw out the maximum possibilities of single-lens reflex cameras and give photographers the tools they need to do exactly what they want, and the fruits of that development are embodied in each and every Sigma lens.**





## SIGMA High-Performance Lens Series

### DC Lens



These are dedicated digital SLR camera lenses with an image circle designed to suit image sensors that correspond to APS-C size. In-house technology accumulated through the development of our digital SLR camera was used to optimize optical performance for our digital lenses. This is a high-performance lens series that fuses technology such as lens power layout and coating design with the know-how Sigma has built up over many years of developing interchangeable lenses for SLR cameras. By reducing the diameter of the image circle, Sigma has achieved a more compact, lightweight lens series.

\* An image sensor larger than those corresponding to the APS-C size cannot be used in digital SLR cameras, 35 mm SLR cameras, or APS film SLR cameras. If such an element is used, vignetting will occur on the picture surface. The angle of view varies depending on which camera model the lens is used with. 35mm format is approximately 1.5 - 2.0 times the focal length of the lens being used.

### DG Lens



These are high-performance lenses optimized for digital cameras. They are ideal not only for 35 mm digital SLR cameras and film SLR cameras but also for APS-C digital SLR cameras. They deliver superior image quality by correcting for all types of aberration, especially distortion, and they have high resolution capability because they minimize chromatic aberration of magnification, which is particularly a problem for digital cameras. What is more, these lenses incorporate optical designs optimized for digital cameras and Sigma's own Super Multi-Layer Coating technology, so they reduce flare and ghosting due to reflection between the image sensor and lens surfaces, and they provide high contrast and a wide range of tone. They also provide enough peripheral brightness with little vignetting.

## SIGMA Advanced Lens Technology

### EX EX Lens

With uncompromised design ideas and high-level optical technology and handling, these lenses, which are Sigma's representative lenses, meet the requirements of photographers at the highest level.

### ASP. Aspherical Lens

The aspherical lens complex allows freedom of design, with high lens performance, reduced number of components, and compact size.

### APO APO Lens

Using ELD, SLD, and other special low-dispersion glass, these lenses are designed to minimize chromatic aberration and deliver the best image quality possible.

### OS Optical Stabilizer (OS)

This is a feature built into lenses that compensates for camera shake. It dramatically expands the realms of photography by alleviating camera movement when shooting handheld.

### HSM Hyper-Sonic Motor (HSM)

HSM lenses are equipped with a motor driven by ultrasonic waves. The motor makes high AF speeds and quiet shooting a reality.

### RF Rear Focus

RF lenses are equipped with a focusing system that moves the rear lens group for high-speed, silent focusing.

### IF Inner Focus

IF lenses are equipped with a focusing system that moves the inner lens group without changing the physical length of the lens, thereby ensuring excellent stability in focusing.

### CONV. Teleconverter-Compatible Lens (CONV)

The "CONV" mark designates lenses that can be used with the APO Teleconverter EX (sold separately). The teleconverter increases the focal length and interfaces with the AE (automatic exposure) function of the lens.







# DC LENS FOR DIGITAL SLR CAMERA

These lenses are specially designed to optimize the characteristics of APS-C digital SLR cameras. They have a reduced image circle for a compact and lightweight construction.

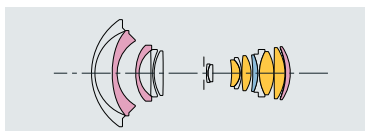
The angle of view varies depending on which camera model the lens is used with. 35mm format is approximately 1.5 - 2.0 times the focal length of the lens being used.



10-20mm F3.5 EX DC HSM

## NEW DC for DIGITAL 8-16mm F4.5-5.6 DC HSM

ASP. IF HSM

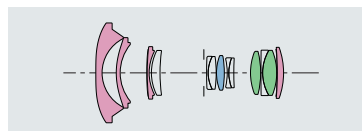


- Lens Construction; 11 Groups, 15 Elements
- Minimum Focusing Distance; 24 cm (9.4 in.)
- Magnification; 1:7.8

This is the first ultra wide zoom lens with a minimum focal length of 8mm designed especially for APS-C size image sensors. The wide-angle view of 121.2° and exaggerated perspective can be used for emphasizing the subject. Four FLD glass elements and three aspherical lenses provide ultra-high image quality throughout the entire zoom range and the Super Multi-Layer Coating reduces flare and ghosting. The incorporation of HSM ensures quiet and high speed AF as well as full-time manual focus capability.

## DC for DIGITAL 10-20mm F3.5 EX DC HSM

EX ASP. IF HSM



- Lens Construction; 10 Groups, 13 Elements
- Minimum Focusing Distance; 24 cm (9.4 in.)
- Magnification; 1:6.6 • Filter Size; ø 82 mm

This ultra-wide zoom lens has a bright F3.5 aperture throughout the zoom range. This bright aperture allows for fast shutter speeds, making the lens perfect for low light photography. You can have fun and be creative with the exaggerated perspective you get from the 102.4° angle of view. ELD and SLD glass ensure superior correction of various types of aberrations, and the aspherical lens enables its compact construction. The Super Multi-Layer Coating reduces flare and ghosting and the HSM ensures fast and quiet autofocus with full-time manual focus override.



18-250mm F3.5-6.3 DC OS HSM

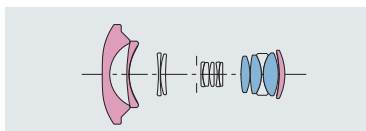
## DC FOR DIGITAL

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

EX ASP. IF HSM



This is an ultra-wide zoom lens for digital SLR camera use only, ideal for capturing the grandeur of landscapes and images with unique perspectives. Because it has a minimum focusing distance of only 24 cm, a small nearby subject can be shot against a far-off background. SLD (Special Low Dispersion) glass and aspherical lens elements are used for high image quality throughout the entire zoom range. The HSM model makes fast AF speeds and quiet shooting a reality.



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

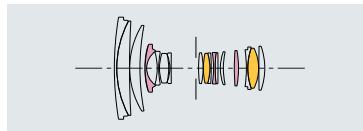
## NEW DC FOR DIGITAL

### 17-50mm F2.8 EX DC OS HSM

EX OS ASP. IF HSM



This is a large-aperture standard zoom lens with a minimum focal length of 17mm. It is equipped with Sigma's own camera shake compensation OS system which reduces camera shake by about 4 stops. With a total length of 91.8mm, the compact lens body is ideal for travel photography. Two FLD glass elements, two glass mold and one hybrid aspherical lens provide excellent correction for all types of aberrations. The Super Multi-Layer Coating reduces the occurrence of flare and ghosting. This lens is capable of producing sharp and high contrast image from open aperture, with plenty of marginal illumination. The HSM ensures fast AF and makes quiet shooting a reality.



- Lens Construction; 13 Groups, 17 Elements
- Minimum Focusing Distance; 28 cm (11.0 in.)
- Magnification; 1:5 • Filter Size; ø 77 mm

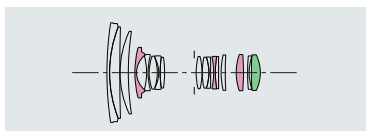
## DC FOR DIGITAL

### 17-70mm F2.8-4 DC MACRO OS HSM

ASP. OS IF HSM



This is a large-aperture standard zoom lens with close up capability for digital cameras. It has an open-aperture value of F2.8 (at 17mm setting) and is equipped with Sigma's own Camera Shake Compensation OS (Optical Stabilizer) System. It covers the most frequently used focal lengths, so is ideal for snapshots, portraits, sports action and other everyday scenes. The lens has a 4.7cm (1.9 inches) working distance between the front of the lens and the subject making it convenient for taking close-up pictures. ELD (Extraordinary Low Dispersion) glass and aspherical lens elements ensure superior correction of various types of aberrations and deliver high quality images throughout the entire zoom range. Sigma's Super Multi-Layer Coating is used to minimize the occurrence of flare and ghosting. The HSM makes fast AF speeds and quiet shooting a reality. It also has a circular diaphragm creating beautiful out-of-focus backgrounds



- Lens Construction; 13 Groups, 17 Elements
- Minimum Focusing Distance; 22cm (8.7in.)
- Magnification; 1:2.7 • Filter Size; 72mm

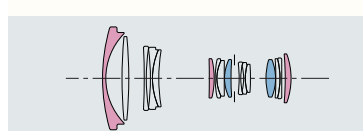
## DC FOR DIGITAL

### 18-50mm F2.8-4.5 DC OS HSM

ASP. OS IF HSM



This is a large-aperture standard zoom lens for digital camera use only. It is equipped with an OS (Optical Stabilizer) System which allows handheld shooting, even in low-light conditions. The lens has an open-aperture value of F2.8 at the 18mm wideangle setting, and utilises SLD glass and aspherical lens elements to reduce various aberrations. The Super Multi-Layer coating minimizes the occurrence of flare and ghosting and delivers high quality images at all focal lengths. It has a minimum focusing distance of 30cm throughout the entire zoom range and a maximum magnification ratio of 1:4.1. The HSM makes fast and quiet autofocus a reality.



- Lens Construction; 12 Groups, 16 Elements
- Minimum Focusing Distance; 30 cm (11.8 in.)
- Magnification; 1:4.1 • Filter Size; ø 67 mm

The angle of view varies depending on which camera model the lens is used with. 35mm format is approximately 1.5 - 2.0 times the focal length of the lens being used.





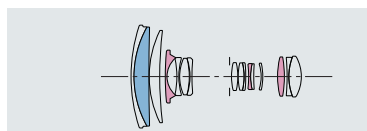
APO 50-150mm F2.8 II EX DC HSM

## DC FOR DIGITAL

**18-125 mm F3.8-5.6 DC OS HSM**

**18-125 mm F3.8-5.6 DC HSM**

ASP. OS IF HSM



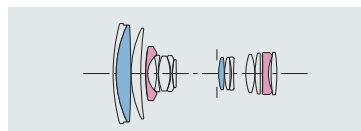
- Lens Construction: 12 Groups, 16 Elements
- Minimum Focusing Distance: 35 cm (13.8 in.)
- Magnification: 1:3.8 • Filter Size: ø 67 mm

This is a compact, high-performance zoom lens for digital SLR camera use only, equipped with Sigma's own Camera Shake Compensation OS (Optical Stabilizer) System, which can reduce camera shake by about 4 stops. The lens has a minimum focusing distance of 35 cm and maximum photography magnification of 1:3.8, so it is ideal for a wide variety of scenes such as landscapes, snapshots, and close-ups. SLD glass and aspherical lens elements provide superior correction of various types of aberrations and deliver high image quality throughout the entire zoom range. The lens is equipped with HSM for fast and quiet auto focusing.

## DC FOR DIGITAL

**18-200 mm 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

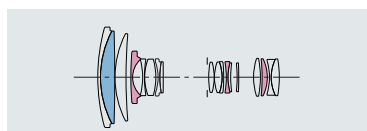
This is a high-performance 11.1X zoom lens for digital camera use only. With an extended range from wide angle to telephoto, it can handle most kinds of shooting situations. SLD glass and aspherical lens elements deliver high image quality throughout the entire zoom range and enable the lens to be housed in a compact and lightweight construction. The minimum focusing distance of 45 cm (17.7 inches) at all focal lengths allows a maximum reproduction ratio of 1:4.4. It also has an inner focus system, so it accepts a Petal-type hood, which is excellent for blocking out extraneous light, as well as a circular polarizing filter. The lens also has a Zoom Lock function that prevents zoom creep due to its own weight.

## DC FOR DIGITAL

**18-200 mm F3.5-6.3 DC OS**

**18-200 mm F3.5-6.3 DC OS HSM**

ASP. OS IF HSM



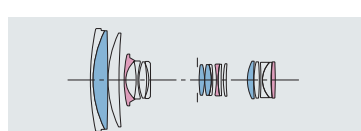
- Lens Construction: 13 Groups, 18 Elements
- Minimum Focusing Distance: 45 cm (17.7 in.)
- Magnification: 1:3.9 • Filter Size: ø 72 mm

This is a high-power zoom lens for digital cameras, equipped with Sigma's own Camera Shake Compensation OS (Optical Stabilizer) System. This lens allows you to take indoor and evening shots without worrying about camera shake. SLD glass and aspherical lens elements deliver high image quality throughout the entire zoom range. A Super Multi-Layer Coating is used to cut down on the occurrence of flare and ghosting. The lens has a minimum focusing distance of 45 cm (17.7 inches) at all focal lengths and a maximum photography magnification of 1:3.9. It also has an inner focus system, so accepts a Petal-type hood and a circular polarizing filter.

## DC FOR DIGITAL

**18-250 mm F3.5-6.3 DC OS HSM**

ASP. OS IF HSM



- Lens Construction: 14 Groups, 18 Elements
- Minimum Focusing Distance: 45 cm (17.7 in.)
- Magnification: 1:3.4 • Filter Size: ø 72 mm

This is a high-performance 13.8X zoom lens for digital camera use only, designed to let you enjoy telephoto shooting without worrying about camera shake. It is equipped with Sigma's own OS (Optical Stabilizer) system which reduces camera shake by about 4 stops. SLD glass and aspherical lens elements deliver high image quality throughout the entire focal range. The Super Multi-Layer Coating minimizes flare and ghosting and ensures high-contrast images. With a minimum focusing distance of 45 cm throughout the entire zoom range and a maximum photography magnification of 1:3.4, the lens is a powerful tool for close-up photography.

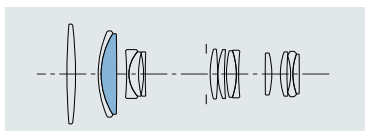


50-200mm F4-5.6 DC OS HSM

DC for DIGITAL

## 50-200 mm F4-5.6 DC OS HSM

OS IF HSM



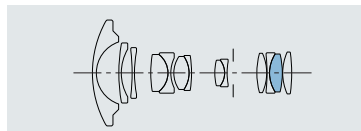
•Lens Construction; 10 Groups, 14 Elements  
•Minimum Focusing Distance; 110 cm (43.3 in.)  
•Magnification; 1:4.5 •Filter Size; ø 55 mm

Equipped with Sigma's own Camera Shake Compensation OS(Optical Stabilizer) System, this is a compact lens with a maximum diameter of 74.4mm and length of 102.2mm. It makes handheld shooting easy at all focal lengths. Designed for portability, it's compact design makes it perfect for photographers who want a small, lightweight telephoto lens. High-quality images are obtained by using SLD(Special Low Dispersion) glass and an inner focus system. The Super Multi-Layer Coating reduces the occurrence of flare and ghosting and also ensures high-contrast images throughout the entire focal range. The HSM makes fast AF speeds and quiet shooting a reality.

DC for DIGITAL

## 4.5 mm F2.8 EX DC CIRCULAR FISHEYE HSM

EX IF HSM



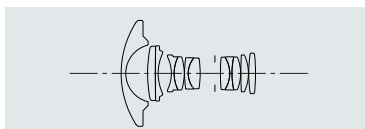
•Lens Construction; 9 Groups, 13 Elements  
•Minimum Focusing Distance; 13.5 cm (5.3 in.)  
•Magnification; 1:6 •Filter Type; Gelatin filter

The circular fisheye lens creates a circular image when used on a digital SLR camera. It's an ideal lens for landscapes and panoramic photography. Because of its equisolid angle projection system, the lens can be used for scientific applications. It has a minimum focusing distance of 13.5 cm (5.3 inches) and a maximum magnification of 1:6. SLD (Special Low Dispersion) glass is used for superior correction of chromatic aberration, and a Super Multi-Layer Coating is used to minimize the occurrence of flare and ghosting. The HSM model makes fast AF speeds and quiet shooting a reality, and includes full-time manual focus override.

DC for DIGITAL

## 10 mm F2.8 EX DC FISHEYE HSM

EX HSM



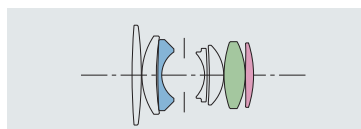
•Lens Construction; 7 Groups, 12 Elements  
•Minimum Focusing Distance; 13.5 cm (5.3 in.)  
•Magnification; 1:3.3 •Filter Type; Gelatin filter

This is a fisheye lens for digital cameras with an angle of view across the diagonal of 180° when used with a Nikon camera (or 154° with a Sigma camera or 167° with a Canon camera). This lens allows photographers to shoot creative images by taking advantage of the acute perspectives that are invisible to the human eye and the image distortion specific to fisheye lenses. A maximum magnification of 1:3.3 and minimum focusing distance of 13.5 cm (5.3 inches) allows it to focus on subjects that are only 1.8 cm away. It has a specially designed fixed hood and a Super Multi-Layer Coating to cut down on the occurrence of flare and ghosting and display excellent image quality.

DC for DIGITAL

## 30 mm F1.4 EX DC 30 mm 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 that makes handheld shooting in dim light possible. Using the out-of-focus effects of a shallow depth of field, the photographer can enjoy shooting snapshots, portraits, or landscapes. ELD(Extraordinary Low Dispersion) glass, SLD (Special Low Dispersion) glass, and aspherical lens elements are used to obtain the best possible correction for chromatic aberration and sharp image quality across the entire focusing range from 40 cm to infinity. The HSM model makes fast AF speeds and quiet shooting a reality, and includes full-time manual focus override.



# WIDE ZOOM LENS

These are wide-angle zoom lenses that can zoom in and out to change the angle of view and perspective, thus adding a lot of appeal to photography. They are ideal for a wide range of applications, including building and landscape photography and commemorative photos of groups.

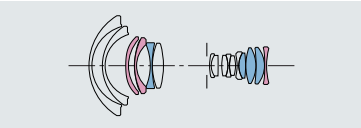


12-24mm F4.5-5.6 EX DG ASPHERICAL HSM

DG for DIGITAL

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

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



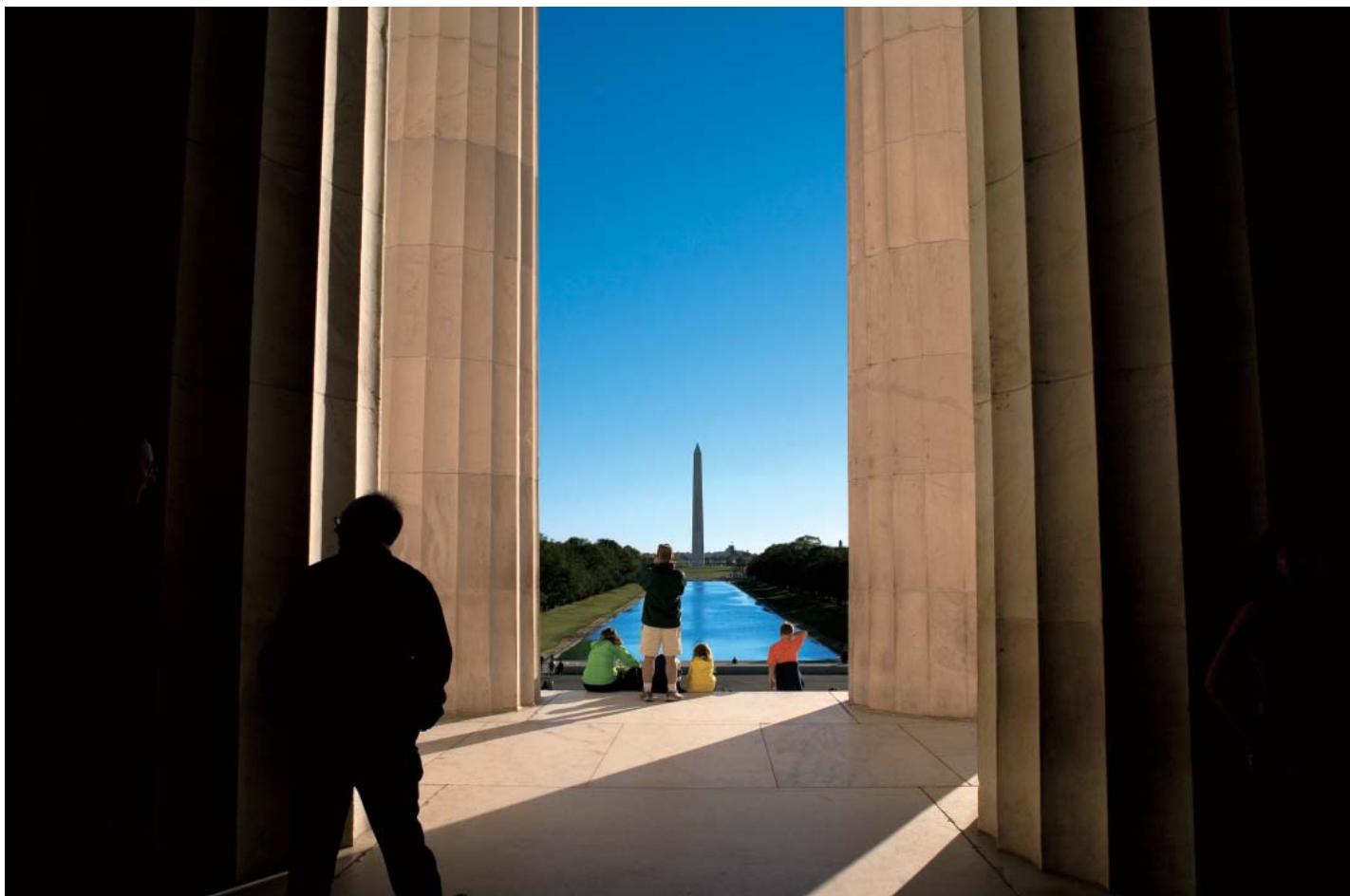
- Lens Construction; 12 Groups, 16 Elements
- Minimum Focusing Distance; 28 cm (11.0 in.)
- Magnification; 1:7.1 • Filter Type; Gelatin filter

This is an ultra-wide zoom lens that opens up a brand-new world of photography with an incredible angle of view of 122°. It can be used for a variety of subjects with little distortion, including vast landscapes, highrise buildings, and large groups of people. The ideal lens for digital SLR cameras, it is equipped with SLD (Special Low Dispersion) glass and aspherical lens elements to provide the utmost correction of chromatic and other types of aberration and to deliver superior image quality. The HSM model makes fast AF speeds and quiet shooting a reality, and includes full-time manual focus.

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

# WIDE LENS

These are lenses whose wide angle of view and short focusing distance can be utilized to create pictures brimming with individuality. With distinctive features such as bold image distortion and acute perspective, they give photographers the freedom to express what they want.

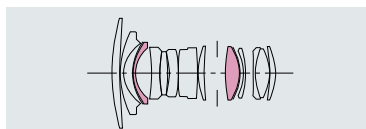


24mm F1.8 EX DG ASPHERICAL MACRO

DG for DIGITAL

## 20 mm F1.8 EX DG ASPHERICAL RF

EX ASP. RF



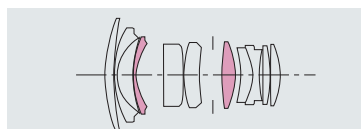
•Lens Construction; 11 Groups, 13 Elements  
•Minimum Focusing Distance; 20 cm (7.9 in.)  
•Magnification; 1:4 •Filter Size; ø 82 mm

With an angle of view of 94.5° an open-aperture of F1.8, and a shallow depth of field, this super-wide-angle lens makes picture-taking a fun experience. Its fast F1.8 aperture makes handheld shooting in dim light possible, making it ideal for architectural, landscape and indoor photography. Designed for digital SLR cameras, it has a minimum focusing distance of 20 cm (7.9 inches) and a lens-to-subject working distance of 6.5 cm (2.6 inches), so it is perfect for close-up photography. The use of aspherical lens elements effectively correct all types of aberrations, minimize vignetting, and provide superior peripheral brightness. The rear focus system allows the use of a Petal-type hood.

DG for DIGITAL

## 24 mm F1.8 EX DG ASPHERICAL MACRO

EX ASP.



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

This is a large-aperture wide-angle lens that gives photographers freedom of expression by allowing them to set the aperture they want and obtain effects such as beautiful out-of-focus images obtained with an open aperture. A maximum magnification of 1:2.7 and the use of a floating focus system enable a minimum shooting distance of 18 cm (7.1 inches), opening up the enjoyment of close-up photography. The use of aspherical lens elements effectively correct all types of aberrations, minimize vignetting, and provide superior peripheral brightness. The lens has a straight focusing system and comes equipped with a Petal-type hood. It can also be used with digital SLR cameras.



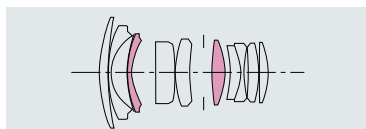


8mm F3.5 EX DG CIRCULAR FISHEYE

DG for DIGITAL

## 28 mm F1.8 EX DG ASPHERICAL MACRO

EX ASP.



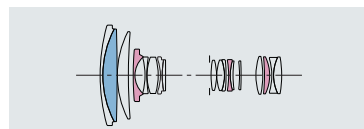
- Lens Construction; 9 Groups, 10 Elements
- Minimum Focusing Distance; 20 cm (7.9 in.)
- Magnification; 1:2.9 • Filter Size; ø 77 mm

This is a wide-angle lens with a fast open-aperture value of F1.8. A maximum magnification of 1:2.7 and the use of a floating focus system enable close-up photography with a minimum shooting distance of 20 cm (7.9 inches). The lens has a wide range of applications including landscape, architectural and portrait photography, and is optimized for use with digital SLR cameras. The use of aspherical lens elements effectively correct all types of aberrations, minimize vignetting, and provide superior peripheral brightness. The lens has a straight focusing system and comes equipped with a Petal-type hood.

DG for DIGITAL

## 8 mm F3.5 EX DG CIRCULAR FISHEYE

EX



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

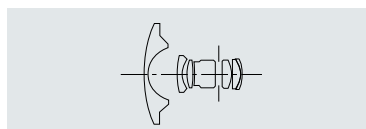
This circular fisheye lens creates a circular image with a 180-degree angle of view. It has an open-aperture value of F3.5 and an auto-focus function. The image distortion specific to fisheye lenses can be used for creative expression. It has a minimum focusing distance of 13.5 cm (5.3 inches) and a maximum magnification of 1:4.6. The occurrence of flare and ghosting is minimized with a Super Multi-Layer Coating, and SLD (Special Low Dispersion) glass, ensuring excellent image quality and superior correction of chromatic aberration.

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

DG for DIGITAL

## 15 mm F2.8 EX DG DIAGONAL FISHEYE

EX



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

This diagonal fisheye lens has an angle of view of 180° across the diagonal. By taking advantage of both the image distortion specific to fisheye lenses and the minimum focusing distance of 15 cm (5.9 inches), the photographer can shoot creative images. For example, a photo with an acute perspective can be taken by shooting a subject in the foreground against a background wider than the range of human vision. This lens has an insertion-type gelatin filter holder at the rear, so filter work is a snap.

# STANDARD ZOOM LENS

Each standard zoom lens does the job of several lenses and can accurately express what the photographer wants.

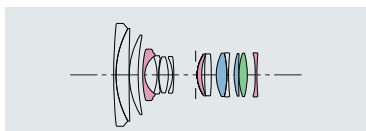


24-70mm F2.8 IF EX DG HSM

DG for DIGITAL

## 24-70 mm F2.8 IF EX DG HSM

EX ASP. IF HSM



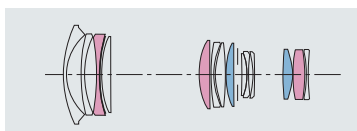
•Lens Construction; 12 Groups, 14 Elements  
•Minimum Focusing Distance; 38 cm (15.0 in.)  
•Magnification; 1:5.3 •Filter Size; ø 82 mm

With a total length of only 94.7mm, the compact lens body is ideal for a wide range of genres, including snapshots, portraiture, and landscape photography. It has an open-aperture value of F2.8 throughout the entire zoom range. With 1 ELD (Extraordinary Low Dispersion) glass element, 2 SLD glass elements, and 3 aspherical lenses, this lens provides excellent correction for all types of aberrations, while delivering high quality images throughout the entire zoom range. It also has a 9-blade circular diaphragm creating beautiful out-of-focus backgrounds. The HSM makes fast AF and quiet shooting a reality, and offers full-time manual focus override.

DG for DIGITAL

## 24-70 mm 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

This is a large-aperture zoom lens starting from 24 mm. With a fast open-aperture value of F2.8, it's the ideal lens when shooting indoors or in low light, and since it covers the normal focus area, it can handle a wide range of uses. SLD (Special Low Dispersion) glass and aspherical lens elements ensure excellent image quality and superior correction of all types of aberrations. The lens has a minimum focusing distance of 40 cm (15.7 inches) and allows macro photography with a maximum magnification of 1:3.8. The front focus system eliminates the need for the front of the lens to rotate, thus allowing the use of circular polarizing filters and a Petal-type hood.





24-70mm F2.8 IF EX DG HSM

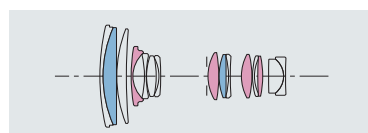
DG for DIGITAL

## 28-300 mm F3.5-6.3 DG MACRO

ASP. 1F



This is a 10.7X high-performance zoom lens that can move from wide angle to telephoto and close-up in an instant. It has a compact size, with an overall length of 86 mm (3.4 inches), a maximum diameter of 74 mm (2.9 inches), and a filter size of 62 mm. It has a minimum focusing distance of 50 cm (19.7 inches) throughout the entire zoom range, and is capable of macro photography with a maximum magnification of 1:3 at the 300 mm setting. It frees the photographer from having to walk around with several lenses, making it ideal for traveling. SLD (Special Low Dispersion) glass and aspherical lens elements are used for optimum image quality, and a Zoom Lock function prevents zoom creep.



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

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





# STANDARD LENS

Equipped with the most basic angle of view, this standard lens can bring home the fundamental joys of an interchangeable lens. It's the lens to turn to when you want the most natural rendering of a wide range of subjects, especially landscapes and portraits.



50mm F1.4 EX DG HSM

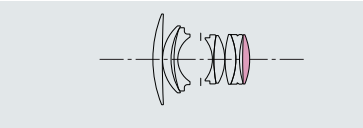
DG for DIGITAL

50 mm F1.4 EX DG HSM

EX ASP. HSM



This 50mm large-aperture standard lens is capable of producing sharp, high contrast images from open aperture, with plenty of marginal illumination. The wide aperture of F1.4 and 9 blade circular diaphragm make this lens perfect for taking portraits with beautiful, out-of-focus backgrounds and offer the photographer a rich pallet of expression for all kinds of subjects. The use of glass-molded aspherical lenses provide superior correction of chromatic aberration and high image quality across the entire image plane. The HSM ensures fast and quiet auto focus whilst allowing fulltime manual focus override.



- Lens Construction: 6 Groups, 8 Elements
- Minimum Focusing Distance: 45cm (17.7 in.)
- Magnification: 1:7.4 •Filter Size: 77mm

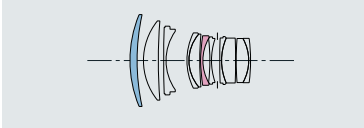
NEW DG for DIGITAL

85 mm F1.4 EX DG HSM

EX ASP. HSM



This large aperture medium telephoto lens optimized for use with digital SLR cameras features a focal length of 85mm, ensuring a natural perspective. The large aperture of F1.4 is especially ideal for portrait and low light photography. One SLD glass element and one glass mold element give excellent correction for all types of aberrations and ensure superior optical performance. The Super Multi-Layer Coating reduces flare and ghosting. The incorporation of HSM ensures fast and quiet AF as well as full-time manual focus capability and the 9 blade diaphragm creates an attractive blur to the out of focus images.



- Lens Construction: 8 Groups, 11 Elements
- Minimum Focusing Distance: 85cm (33.5 in.)
- Magnification: 1:8.6 •Filter Size: 77mm

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

# TELEPHOTO ZOOM LENS

This is a lineup of telephoto zoom lenses that allow photographers to manipulate the distance between subject and lens and render powerful images with a strong sense of presence. When it comes to dynamic shots of animal life or sports action, these lenses capture the essence of dramatic expression.

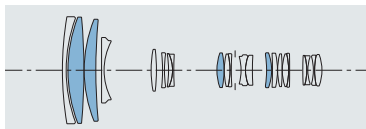


AP0 120-300mm F2.8 EX DG HSM

DG for DIGITAL

## AP0 50-500 mm F4.5-6.3 DG OS HSM

AP0 OS RF HSM CONV.



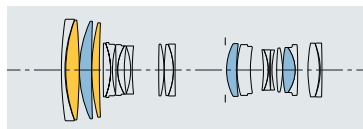
•Lens Construction; 16 Groups, 22 Elements  
•Minimum Focusing Distance; 50-180cm (19.7-70.9in.)  
•Magnification; 1:3.1 •Filter Size; 95mm

This is a 10X telephoto zoom lens that covers the standard-to-telephoto range and incorporates Sigma's own Camera Shake Compensation OS (Optical Stabilizer) System. This is the only lens photographers need to shoot a wide variety of subjects such as sports, wildlife, close-ups and airplanes, without the need for a tripod. SLD (Special Low Dispersion) glass is used for superior correction of chromatic aberration and high-quality images throughout the entire zoom range. The HSM makes fast AF speeds and quiet shooting a reality, and includes full-time manual focus override. With an APO Tele Converter, the lens becomes a 1000mm ultra-telephoto.

NEW DG for DIGITAL

## AP070-200 mm F2.8 EX DG OS HSM

EX AP0 OS 1F HSM CONV.

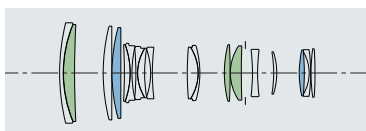


•Lens Construction; 17 Groups, 22 Elements  
•Minimum Focusing Distance; 140 cm (55.1 in.)  
•Magnification; 1:8 •Filter Size; ø 77 mm

This large-aperture telephoto zoom lens has an open-aperture value of F2.8 throughout the entire zoom range. It is equipped with Sigma's own camera shake compensation OS system which reduces camera shake by about 4 stops. It can handle all kinds of subjects including portraits, sports and landscapes. Two FLD glass elements, which have performance equal to fluorite glass, and three SLD (Special Low Dispersion) glass elements provide excellent correction of color aberration. High image quality is ensured even from the maximum large aperture of F2.8. The Super Multi-Layer Coating reduces the occurrence of flare and ghosting. HSM makes fast AF and quiet shooting a reality and includes full-manual focus override. This lens also accommodates optional APO Tele Converters.



## APO 70-200 mm F2.8 II EX DG MACRO HSM EX APO IF HSM CONV.

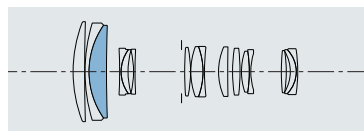


- Lens Construction; 15 Groups, 18 Elements
- Minimum Focusing Distance; 100 cm (39.4 in.)
- Magnification; 1:3.5 • Filter Size; ø 77 mm

This is a telephoto zoom lens with a large aperture of F2.8. It has the same minimum focusing distance of 100 cm (39.4 inches) and the same high close-up capabilities with a maximum magnification of 1:3.5 as the previous model, but its image quality is even better. ELD (Extraordinary Low Dispersion) glass and SLD (Special Low Dispersion) glass are used for superior correction of all types of aberration, and a Super Multi-Layer Coating is used to cut down on the occurrence of flare and ghosting and ensure optimum image quality throughout. The HSM makes fast AF speeds and quiet shooting a reality, and allows full-time manual focus override. It also accommodates optional APO Tele Converters.

## 70-300 mm F4-5.6 DG OS

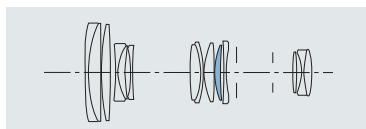
OS



- Lens Construction; 11 Groups, 16 Elements
- Minimum Focusing Distance; 150cm (59.1in.)
- Magnification; 1:3.9 • Filter Size; ø 62 mm

This is a compact telephoto zoom lens equipped with Sigma's own Camera Shake Compensation OS (Optical Stabilizer) System. It can handle all kinds of subjects, including visually powerful sports scenes and naturally rendered portraits. SLD (Special Low Dispersion) glass is used for superior correction of chromatic aberration and high-quality images throughout the entire zoom range. And a Super Multi-Layer Coating is used to minimize the occurrence of flare and ghosting and deliver high-contrast images. With a minimum focusing distance of 150cm and maximum magnification of 1:3.9, the lens is a powerful tool for close-up photography.

## 70-300 mm F4-5.6 DG MACRO

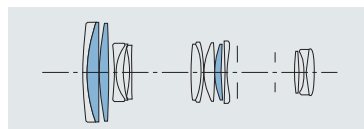


- Lens Construction; 10 Groups, 14 Elements
- Minimum Focusing Distance; 150 (95) cm (59.1 (37.4) in.)
- Magnification; 1:4.1 (1:2) • Filter Size; ø 58 mm

This is a high-performance telephoto zoom lens with superior image quality. It is capable of macro photography with a maximum magnification of 1:2 at the 300 mm focal length. It is equipped with a switch that reduces the minimum focusing distance at 150mm to 95 cm, and 1:2 macro photography is easily engaged without having to change lenses. This lens gives photographers a lot more freedom by allowing them to frame by zooming between the 200 mm and 300 mm settings even during macro photography. SLD (Special Low Dispersion) glass is used for superior correction of chromatic aberration and high image quality throughout the entire zoom range.

## APO 70-300 mm F4-5.6 DG MACRO

APO

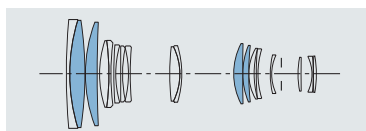


- Lens Construction; 10 Groups, 14 Elements
- Minimum Focusing Distance; 150 (95) cm (59.1 (37.4) in.)
- Magnification; 1:4.1 (1:2) • Filter Size; ø 58 mm

This is a telephoto zoom lens that offers value for money, excellent performance and is capable of macro photography with a maximum magnification of 1:2 at the 300 mm focal length. It also has a switch for changeover of focal lengths between 200 mm and 300 mm during macro photography. It handles not only close-up shots but also natural-looking portraits of subjects at a distance, as well as dynamic sports shots. SLD (Special Low Dispersion) glass is used for superior correction of chromatic aberration, and a Super Multi-Layer Coating is used to cut down on the occurrence of flare and ghosting and ensure high image quality throughout the entire zoom range.

## APO 120-300 mm F2.8 EX DG HSM

EX APO IF HSM CONV.



- 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

We added a zoom to a well-established 300 mm F2.8 high-performance telephoto lens to create this large-aperture telephoto zoom lens with high mobility. The zoom function allows photographers to easily compose shots when they cannot change their shooting position, so is ideal for sports action, animals in the wild, and other decisive moments. It is also perfect for portraits as beautifully out-of-focus backgrounds are obtained with an open aperture of F2.8. SLD (Special Low Dispersion) glass is used for superior correction of chromatic aberration and high image quality throughout the entire zoom range. The lens is equipped with HSM for fast AF and quiet shooting with full-time manual focus.

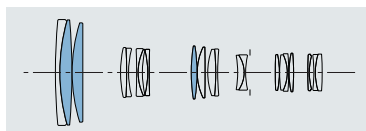


APO 150-500mm F5-6.3 DG OS HSM

DG FOR DIGITAL

## APO 120-400 mm F4.5-5.6 DG OS HSM

APO OS RF HSM CONV.



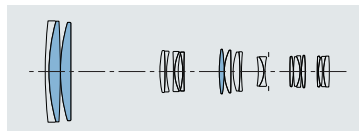
•Lens Construction; 15 Groups, 21 Elements  
•Minimum Focusing Distance; 150 cm (59.1 in.)  
•Magnification; 1:4.2 •Filter Size; ø 77 mm

This is a telephoto zoom lens equipped with Sigma's own Camera Shake Compensation OS (Optical Stabilizer) System. The Optical Stabilizer has two modes to choose from: Mode 1 is ideal for general photography, and Mod 2 is best for panning. With a minimum focusing distance of 150 cm and a maximum magnification of 1:4.2, the lens is a powerful tool for close-up photography. SLD (Special Low Dispersion) glass is used for correction of chromatic aberration, and the rear focusing system corrects for fluctuation of aberration due to focusing. The lens is equipped with HSM for fast and quiet AF with full-time manual focus. It also accommodates optional APO Tele Converters.

DG FOR DIGITAL

## APO 150-500 mm F5-6.3 DG OS HSM

APO OS RF HSM CONV.



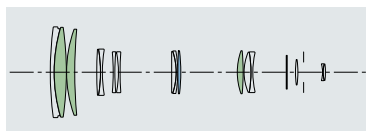
•Lens Construction; 15 Groups, 21 Elements  
•Minimum Focusing Distance; 220 cm (86.6 in.)  
•Magnification; 1:5.2 •Filter Size; ø 86 mm

This is an ultra-telephoto zoom lens that allows photographers to freely play with the ability of telephoto lenses to bring the subject closer and shorten perspective. It is equipped with Sigma's own Camera Shake Compensation OS (Optical Stabilizer) System, so handheld photography is worry-free. SLD (Special Low Dispersion) glass is used for superior correction of chromatic aberrations, and the rear focusing system effectively corrects for fluctuation of aberration due to focusing. The lens is equipped with HSM for fast AF speeds and quiet shooting, and is capable of full-time manual focus override. It also accommodates optional APO Tele Converters.

DG FOR DIGITAL

## APO 200-500 mm F2.8 / 400-1000 mm F5.6 EX DG

EX APO IF



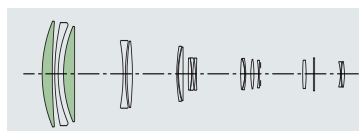
•Lens Construction; 13 Groups, 17 Elements  
•Minimum Focusing Distance; 200-500cm (78.7-196.9 in.)  
•Magnification; 1:7.7 •Filter Size; 72mm(Rear)

This is the first large-aperture ultra-telephoto lens that has an F2.8 aperture at 500mm. With its specially designed attachment mounted, the lens becomes a 400-1000mm F5.6 ultra-telephoto lens capable of auto-focus shooting. It gives the photographer brand-new powers of expression in all kinds of photography such as sports and nature photography. ELD (Extraordinary Low Dispersion) and SLD (Special Low Dispersion) glass is used for maximum correction of aberrations, and the lens displays superior image quality from open aperture. Sigma's own revolving filter ring mechanism makes it easy to use a circular polarizing filter.

DG FOR DIGITAL

## APO 300-800 mm F5.6 EX DG HSM

EX APO IF HSM CONV.



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

This lens covers the ultra-telephoto range up to 800 mm, bringing faraway subjects right in front of the camera. This is the lens for photographers who want to shoot sports action or the other side of the playing field events or capture the look on a mountain climber's face as he or she scales a high peak. The angle of view can be seamlessly changed from 8.2° to 3.1°, so the lens takes a lot of the footwork out of picture composition. It is equipped with HSM for fast AF speeds and quiet shooting, and is capable of full-time manual focus. With the addition of an optional 2X APO Tele Converter, the lens becomes a 600 -1600 mm MF ultra-telephoto zoom lens.



# TELEPHOTO LENS

This is a lineup of telephoto lenses that bring faraway subjects right in front of the camera and create shots that make an impact. Because of the compression effect of a long focal length, even space is part of the photographer's palette of expression.

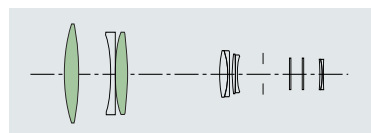


APO 500mm F4.5 EX DG HSM

DG FOR DIGITAL

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

EX APO IF HSM CONV.



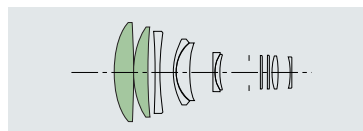
•Lens Construction; 8 Groups, 11 Elements  
•Minimum Focusing Distance; 400 cm (157.5 in.)  
•Magnification; 1:7.7 •Filter Size; ø 46 mm (Rear)

This is a large-aperture telephoto lens that can capture sharp images of fast-moving subjects, such as athletes in action and animals in the wild. ELD (Extraordinary Low Dispersion) glass is used to deliver sharp, high-contrast images across the entire aperture range. A Super Multi-Layer Coating is used to minimize the occurrence of flare and ghosting. The lens housing accommodates a rear insertion type filter with its own revolving ring, as well as a circular polarizing filter. The HSM model makes fast AF speeds and quiet shooting a reality, and is capable of full-time manual focus. It also accommodates optional APO Tele Converters.

DG FOR DIGITAL

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

EX APO IF HSM CONV.



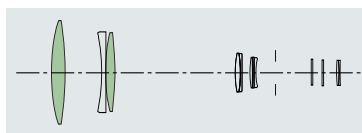
•Lens Construction; 9 Groups, 11 Elements  
•Minimum Focusing Distance; 250 cm (98.4 in.)  
•Magnification; 1:7.5 •Filter Size; ø 46 mm (Rear)

This is a high-performance telephoto lens with an established reputation. It can handle a wide range of uses, including sports, portraits, and telephoto photography. ELD (Extraordinary Low Dispersion) glass is used for maximum correction of chromatic aberration and for sharp, high-contrast images. A Super Multi-Layer Coating is used to minimize the occurrence of flare and ghosting. The HSM model makes fast AF speeds and quiet shooting a reality, and allows full-time manual focus. The lens takes a rear insertion type filter with its own revolving ring, as well as a circular polarizing filter. It also accommodates optional APO Tele Converters.

DG FOR DIGITAL

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

EX APO IF HSM CONV.



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

This is a large-aperture 800 mm lens that explores the visual effects of a super telephoto to the limit. ELD (Extraordinary Low Dispersion) glass is used to display high image quality across the entire aperture range. The lens housing accommodates a rear insertion type filter with its own revolving ring, as well as a circular polarizing filter. The inner focus system makes focusing a snap. The HSM model ensures fast and quiet AF with full-time manual focus override. It also accommodates optional APO Tele Converters. With an optional 2X APO Tele Converter, the lens becomes a 1600 mm MF ultra-telephoto lens.

# MACRO LENS

Essential for close-up photography, macro lenses capture the drama of the small world around us. They open the door to the joys of discovering beautiful images that usually go unnoticed.

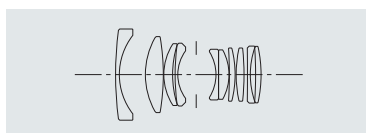


MACRO 70mm F2.8 EX DG

**DG** for DIGITAL

## MACRO 50 mm 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

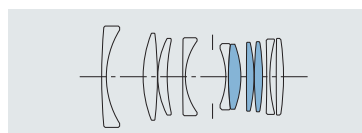
This is a standard macro lens that is ideal for shooting accessories, fancy goods, and other subjects whose position needs to be finely adjusted. It uses a floating focus system that delivers high image quality from life-size shots to distant objects. Various types of aberration are optimally corrected even around the periphery of the image, and the lens excels in the representation of textured subjects. Besides macro photography, the lens has a wide range of uses, including general and landscape photography. It includes a screw-type round lens hood, so it can easily accommodate circular polarizing filters. An aperture of F45\* is also provided for greater depth of field

\*F32 when used with a Nikon or Pentax camera.

**DG** for DIGITAL

## MACRO 70 mm 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 is a large-aperture medium macro lens suitable not only for shooting flowers, insects, and other members of the small world, but also for landscapes and portraits. Mounted on an APS-C size digital SLR camera, it delivers an angle of view equivalent to 105 mm. SLD (Special Low Dispersion) glass with a high refractive index and the latest optical design are used for sharp images, and a Super Multi-Layer Coating minimizes the occurrence of flare and ghosting. In addition, a floating focus system is used to keep in check fluctuation of aberrations due to the shooting distance, and to deliver high resolution and high image quality at all shooting distances.





APO MACRO 150mm F2.8 EX DG HSM

DG for DIGITAL

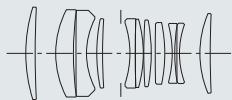
## MACRO 105mm F2.8 EX DG

EX



This is a large-aperture medium macro lens ideal for shooting flowers in their natural setting. Optimized power layout and lens composition ensure high image quality, and a Super Multi-Layer Coating minimizes the occurrence of flare and ghosting. The lens delivers high resolution from life-size shots to distant objects. It has a screw-type round hood, so it can easily accommodate circular polarizing filters. An aperture of F45 is also provided for greater depth of field.

\* F32 when used with a Nikon or Pentax camera; F22 when used with a Four Thirds camera.



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

DG for DIGITAL

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

EX

APO

IF

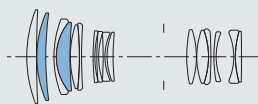
HSM

CONV.



This is a large-aperture telephoto macro lens with an open-aperture value of F2.8. The beautiful out-of-focus effects at open aperture can be used to highlight a subject and get all kinds of impressive shots. SLD (Special Low Dispersion) glass is used for superior correction of all types of aberration, and a floating focus system is used to deliver excellent image quality from life-size shots to distant objects. The lens is equipped with HSM and is capable of full-time manual focus. Images larger than life size can be obtained with the addition of an optional APO Tele Converter.

\* Please see the TELE CONVERTER chart for details of using this lens with the optional APO Tele Converters.



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

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

# LENS KNOWLEDGE

The more you know about lenses, the greater will be your enjoyment of photography. The basics of lenses and lens technology — which play a key role in the creative process — are explained herein.

## LENS TECHNOLOGY

### • Aspherical Lens

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, Extraordinary Low Dispersion (ELD) and "F" Low Dispersion (FLD) 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

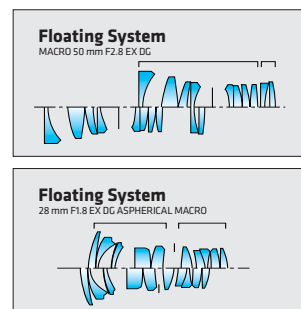
Conventional focusing has normally been performed by moving either all lens groups as a fixed unit or only the first lens group. AF cameras are now widely used, even for close-up photography. Consequently, demand has arisen for a focusing system that will keep the length of the lens unchanged while showing 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 18-200mm F3.5-6.3 DC features an inner focusing system to move the secondary lens group during focusing. This lens has a minimum focusing distance of 45 cm / 17.7 inch throughout entire zoom range. The rear focus system ensures high-speed focusing with the wide lens 20mm F1.8 EX DG ASPHERICAL RF.

### • 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.

### • 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.



### • OS (Optical Stabilizer) Function

The OS function uses two sensors inside the lens to detect vertical and horizontal movement of the camera and works by moving an optical image stabilizing lens group to effectively compensate for camera shake. The OS function offers the equivalent of using a shutter speed 4 stops faster making it suitable for telephoto and low light photography. Sony and Pentax mount lenses equipped with OS, such as 18-250mm F3.5-6.3 DC OS HSM and 18-50/2.8-4.5 DC OS HSM, can be used even if the camera has a built-in camera shake reduction system.\* As the stabilizing feature is built into the lens, it can be designed specifically to suit the characteristics of that lens. This provides precise compensation for camera shake throughout the entire zoom range. This also enables the correctly stabilized image to appear in the viewfinder aiding autofocus and composition.



Camera shake correction mechanism OFF



Camera shake correction mechanism ON

\*For Sony mount, the stabilizer function (OS) will function with all Konica Minolta and Sony Digital SLR cameras. It is not possible to use the OS function with film SLR cameras.

\*For Pentax, the OS will function with Digital SLR cameras except \*ist Series and K100D. It is not possible to use the OS function with film SLR cameras.

\*When the OS function of lens body is used, please turn the stabilizer function of camera body off.

## PRINCIPLES OF THE LENS

### • 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.



F2.8



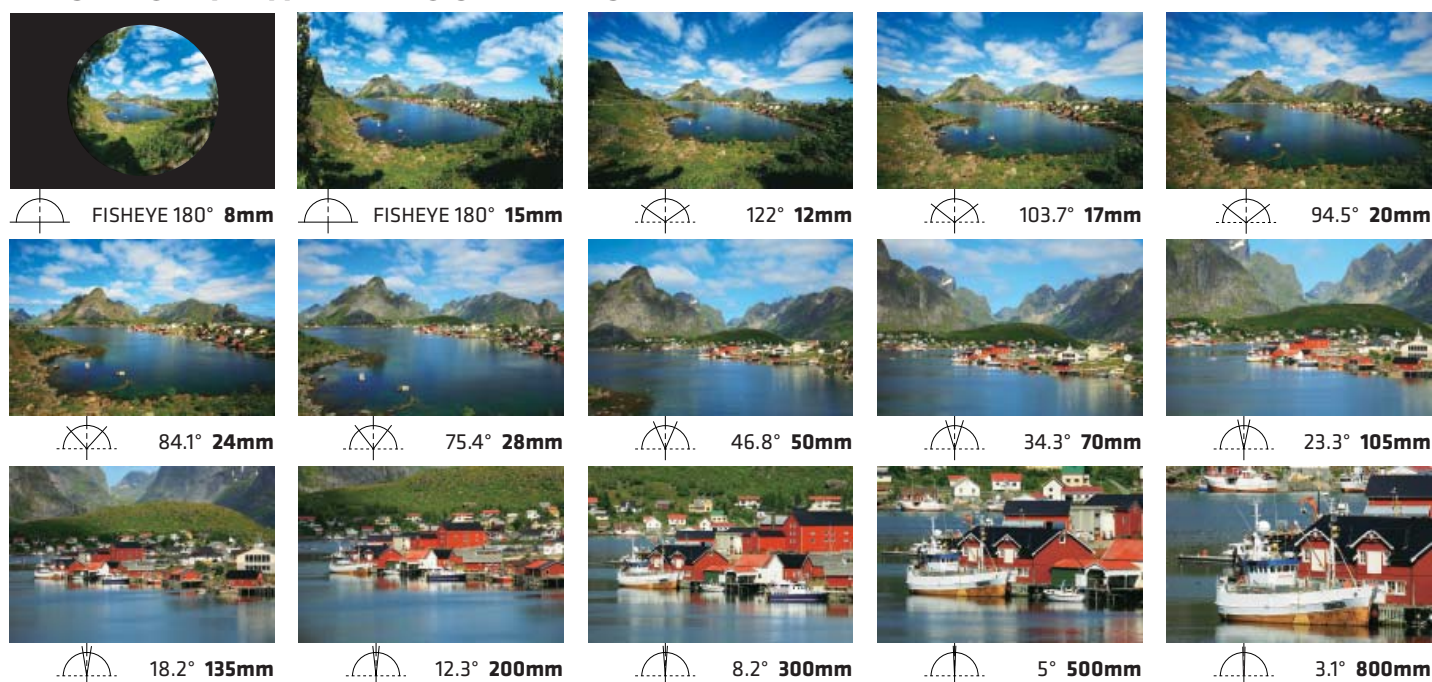
F22

### • 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 OF VIEW AND FOCAL LENGTH



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. 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.

### • 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.

## TELE CONVERTER


These APO Tele Converters are compatible with digital cameras, and when mounted between the lens and the camera body, they can increase the focal length of the lens by the power of 1.4 or 2. They are

also compatible with the AF 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.

APO TELE CONVERTER 1.4x EX DG	Dedicated Lenses	for SIGMA	for SONY	for NIKON	for CANON	for PENTAX
		824402	824624	824556	824273	824266
	APO 50-500mm F4.5-6.3 DG OS HSM	MF	MF	MF	MF	—
	APO 70-200mm F2.8 EX DG OS HSM	AF	AF	AF	AF	—
	APO 70-200mm F2.8 II EX DG MACRO HSM	AF	AF	AF	AF	—
	APO 120-300mm F2.8 EX DG HSM	AF	—	AF	AF	—
	APO 120-400mm F4.5-5.6 DG OS HSM	MF	MF	MF	MF	—
	APO 150-500mm F5-6.3 DG OS HSM	MF	MF	MF	MF	—
	APO 300-800mm F5.6 EX DG HSM	MF	—	MF	MF	—
	APO MACRO 150mm F2.8 EX DG HSM	AF*1	—	AF*1	AF*1	—
	APO 300mm F2.8 EX DG / HSM	AF	MF	AF	AF	AF
	APO 500mm F4.5 EX DG / HSM	MF	MF	MF	MF	MF
	APO 800mm F5.6 EX DG / HSM	MF	—	MF	MF	—

\*Four Thirds mount is not available.  
\*1: It is capable of AF from 0.52m (20.5 in) to infinity.

APO TELE CONVERTER 2x EX DG	Dedicated Lenses	for SIGMA	for SONY	for NIKON	for CANON	for PENTAX
		876401	876623	876555	876272	876265
	APO 50-500mm F4.5-6.3 DG OS HSM	MF	MF	MF	MF	—
	APO 70-200mm F2.8 EX DG OS HSM	AF	AF	AF	AF	—
	APO 70-200mm F2.8 II EX DG MACRO HSM	AF	AF	AF	AF	—
	APO 120-300mm F2.8 EX DG HSM	AF	—	AF	AF	—
	APO 120-400mm F4.5-5.6 DG OS HSM	MF	MF	MF	MF	—
	APO 150-500mm F5-6.3 DG OS HSM	MF	MF	MF	MF	—
	APO 300-800mm F5.6 EX DG HSM	MF	—	MF	MF	—
	APO MACRO 150mm F2.8 EX DG HSM	MF	—	MF	MF	—
	APO 300mm F2.8 EX DG / HSM	AF	MF	AF	AF	AF
	APO 500mm F4.5 EX DG / HSM	MF	MF	MF	MF	MF
	APO 800mm F5.6 EX DG / HSM	MF	—	MF	MF	—

\*Four Thirds mount is not available.

# SIGMA LENS LINEUP & LENS ACCESSORIES

## DC LENS



**8-16mm F4.5-5.6 DC HSM**  
Lens case supplied.



**10-20mm F3.5 EX DC HSM**  
Lens case and Petal type lens hood (LH873-01) supplied.



**10-20mm F4-5.6 EX DC**  
**10-20mm F4-5.6 EX DC HSM**  
Lens case and Petal type lens hood (LH825-04) supplied.



**17-50mm F2.8 EX DC OS HSM**  
Lens Case and Petal type lens hood (LH-825-03) supplied.



**17-70mm F2.8-4 DC MACRO OS HSM**  
Petal type lens hood (LH-780-04) supplied.



**18-50mm F2.8-4.5 DC OS HSM**  
Petal type lens hood (LH730-02) supplied.



**18-125mm F3.8-5.6 DC HSM**  
**18-125mm F3.8-5.6 DC OS HSM**  
Petal type lens hood (LH730-02) supplied.



**18-200mm F3.5-6.3 DC**  
Petal type lens hood (LH680-01) supplied.



**18-200mm F3.5-6.3 DC OS**  
**18-200mm F3.5-6.3 DC OS HSM**  
Petal type lens hood (LH780-04) supplied.



**18-250mm F3.5-6.3 DC OS HSM**  
Petal type lens hood (LH780-04) supplied.



**50-200mm F4-5.6 DC OS HSM**  
Lens hood (LH674-01) supplied.



**4.5mm F2.8 EX DC CIRCULAR FISHEYE HSM**  
Lens case supplied.



**10mm F2.8 EX DC FISHEYE HSM**  
Lens case supplied.



**30mm F1.4 EX DC**  
**30mm F1.4 EX DC HSM**  
Lens case and Petal type lens hood (LH715-01) supplied.

## ZOOM LENS



**12-24mm F4.5-5.6 EX DG ASPHERICAL**  
**12-24mm F4.5-5.6 EX DG ASPHERICAL HSM**  
Lens case supplied.



**24-70mm F2.8 IF EX DG HSM**  
Lens case and Petal type lens hood (LH876-01) supplied.



**24-70mm F2.8 EX DG MACRO**  
Lens case and Petal type lens hood (LH875-02) supplied.



**28-300mm F3.5-6.3 DG MACRO**  
Petal type lens hood (LH680-01) supplied.



**APO 50-500mm F4.5-6.3 DG OS HSM**  
Lens case, Petal type lens hood (LH1030-01), shoulder strap, Stepdown Ring, hood adapter (HA1030-01) and tripod socket (TS-31) supplied.



**APO 70-200mm F2.8 EX DG OS HSM**  
Lens case, Petal type lens hood (LH850-02), hood adapter (HA850-01) and tripod socket (TS-21) supplied.



**APO 70-200mm F2.8 II EX DG MACRO HSM**  
Lens case, Petal type lens hood (LH850-01) and tripod socket (TS-21) supplied.



**70-300mm F4-5.6 DG OS**  
Lens hood (LH680-02) supplied.



**APO 70-300mm F4-5.6 DG MACRO**  
Lens case, lens hood (LH635-01) supplied.



**70-300mm F4-5.6 DG MACRO**  
Lens hood (LH635-01) supplied.



**APO 120-300mm F2.8 EX DG HSM**  
Lens case, lens hood (LH1134-01), shoulder strap and tripod socket (TS-41) supplied.



**APO 120-400mm F4.5-5.6 DG OS HSM**  
Lens case, lens hood (LH830-01), Shoulder Strap and tripod socket (TS-31) supplied.



**APO 150-500mm F5-6.3 DG OS HSM**  
Lens case, lens hood (LH927-01), Shoulder Strap and tripod socket (TS-31) supplied.



**APO 300-800mm 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.



**APO 200-500mm F2.8 / 400-1000mm F5.6 EX DG**  
Dedicated hard case, strap, 400-1000mm F5.6 Attachment, Battery charger BC-21, Battery pack BP-21 supplied.



There's a Sigma lens for every idea photographers want to express.  
Sigma Lens Line-up including Tele Converters & Lens Accessories.

SINGLE FOCAL LENGTH LENS



**8mm F3.5 EX DG CIRCULAR FISHEYE**  
Lens case supplied.



**15mm F2.8 EX DG DIAGONAL FISHEYE**  
Lens case supplied.



**20mm 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.



**28mm F1.8 EX DG ASPHERICAL MACRO**  
Lens case and Petal type lens hood (LH825-03) supplied.



**50mm F1.4 EX DG HSM**  
Lens case and Petal type lens hood (LH829-01) supplied.



**85mm F1.4 EX DG HSM**  
Lens case, Petal type lens hood (LH850-03) and hood adapter (HA850-02) supplied.



**MACRO 50mm F2.8 EX DG**  
Lens hood (LH550-02) supplied.



**MACRO 70mm F2.8 EX DG**  
Lens case, lens hood (LH620-01) supplied.



**MACRO 105mm F2.8 EX DG**  
Lens case, lens hood (LH580-03) supplied.



**APO MACRO 150mm F2.8 EX DG HSM**  
Lens case, lens hood (LH780-03) and tripod socket (TS-21) supplied.



**APO 300mm F2.8 EX DG**  
**APO 300mm F2.8 EX DG HSM**  
Lens case, lens hood (LH1196-01), circular PL filter and tripod socket (TS-21) supplied.



**APO 500mm F4.5 EX DG**  
**APO 500mm 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 800mm F5.6 EX DG**  
**APO 800mm 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.

LENS ACCESSORIES

LENS HOOD

 <b>LH550-02</b> 0085126 922917	 <b>LH580-03</b> 0085126 257002	 <b>LH595-01</b> 0085126 520014	 <b>LH620-01</b> 0085126 924218	 <b>LH630-01</b> 0085126 920081	 <b>LH630-02</b> 0085126 521004
 <b>LH635-01</b> 0085126 501006	 <b>LH674-01</b> 0085126 926922	 <b>LH680-01</b> 0085126 917302	 <b>LH680-02</b> 0085126 926953	 <b>LH715-01</b> 0085126 923198	 <b>LH730-02</b> 0085126 580216
 <b>LH780-03</b> 0085126 922740	 <b>LH780-04</b> 0085126 923624	 <b>LH825-03</b> 0085126 916800	 <b>LH825-04</b> 0085126 510244	 <b>LH829-01</b> 0085126 926557	 <b>LH830-01</b> 0085126 926045
 <b>LH850-01</b> 0085126 924195	 <b>LH850-02</b> 0085126 927301	 <b>LH850-03</b> 0085126 927455	 <b>LH873-01</b> 0085126 926939	 <b>LH875-02</b> 0085126 916794	 <b>LH876-01</b> 0085126 926731
 <b>LH927-01</b> 0085126 926052	 <b>LH1030-01</b> 0085126 927059	 <b>LH1134-01</b> 0085126 920951	 <b>LH1196-01</b> 0085126 194000	 <b>LH1236-01</b> 0085126 183004	 <b>LH1571-01</b> 0085126 151003
 <b>LH1571-02</b> 0085126 921637					

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.

 <b>DG UV</b>	46 mm	0085126 925963	 <b>DG WIDE CIRCULAR PL</b>	46 mm	0085126 925970
	52 mm	0085126 923693		52 mm	0085126 923808
	55 mm	0085126 923709		55 mm	0085126 923815
	58 mm	0085126 923716		58 mm	0085126 923822
	62 mm	0085126 923723		62 mm	0085126 923839
	67 mm	0085126 923730		67 mm	0085126 923846
	72 mm	0085126 923747		72 mm	0085126 923853
	77 mm	0085126 923754		77 mm	0085126 923860
	82 mm	0085126 923761		82 mm	0085126 923877
	86 mm	0085126 923778		86 mm	0085126 923884
	95 mm	0085126 923785	<b>DG CIRCULAR PL</b>	95 mm	0085126 923891
	105 mm	0085126 923792		105 mm	0085126 923907

TRIPOD SOCKET

A Tripod Socket is used to attach telephoto lenses to a tripod. The tripod collar design enables quick release of the lens. The TS-41 is larger than the TS-21 tripod fitting, providing lenses with even more stability when used on a tripod. Please see SPECIFICATION for information of compatible lens models.

 TS-21 0085126 566029	 TS-31 0085126 918415	 TS-41 0085126 529024
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# SPECIFICATION

## The Major Distinguishing Characteristics of SIGMA Digital Lenses

DC Lenses	AF Mount / UPC Code (please add 0085126 prefix in front)						Lens Construction	
	for SIGMA	for Sony	for Nikon	for Pentax	for Canon	Four Thirds	Groups	Elements
8-16mm F4.5-5.6 DC HSM	203566 (H)	203627 (H)	203559 (H)	203610 (H)	203542 (H)	—	11	15
10-20mm F3.5 EX DC HSM	202569 (H)	202620 (H)	202552 (H)	202613 (H)	202545 (H)	—	10	13
10-20mm F4-5.6 EX DC / HSM	201401 (H)	201340	201555 (H)	201609	201272 (H)	201586 (H)	10	14
17-50mm F2.8 EX DC OS HSM	583569 (H)	583620 (H)	583552 (H)	583613 (H)	583545 (H)	—	13	17
17-70mm F2.8-4 DC MACRO OS HSM Ⓢ	668563 (H)	668624 (H)	668556 (H)	668617 (H)	668549 (H)	—	13	17
18-50mm F2.8-4.5 DC OS HSM Ⓢ	861568 (H)	861629 (H)	861551 (H)	861612 (H)	861544 (H)	—	12	16
18-125mm F3.8- 5.6 DC OS HSM *	853563 (H)	853624 (H)	853556 (H)	853617 (H)	853549 (H)	—	12	16
18-200mm F3.5-6.3 DC	777401	777340	777555 (M)	777456	777272	—	13	15
18-200mm F3.5-6.3 DC OS / HSM	888565	—	888558 (H)	—	888541	—	13	18
18-250mm F3.5-6.3 DC OS HSM Ⓢ	880569 (H)	880620 (H)	880552 (H)	880613 (H)	880545 (H)	—	14	18
50-200mm F4-5.6 DC OS HSM Ⓢ	686567 (H)	686628 (H)	686550 (H)	686611 (H)	686543 (H)	—	10	14
4.5mm F2.8 EX DC CIRCULAR FISHEYE HSM	486563 (H)	486624 (H)	486556 (H)	486617 (H)	486549 (H)	—	9	13
10mm F2.8 EX DC FISHEYE HSM	477561 (H)	477622 (H)	477554 (H)	477615 (H)	477547 (H)	—	7	12
30mm F1.4 EX DC / HSM	300401 (H)	300340	300555 (H)	300609	300272 (H)	300586 (H)	7	7

• All Nikon and Sony mounts are compatible with (H) type cameras. •The (H) symbol in the UPC code indicates a HSM lens. The Nikon mount (M) lenses are incorporated with a built-in AF motor. When Pentax mount incorporated with HSM is attached to Pentax

\*1st series and K100D, AF will not function. • Sony and Pentax mounts with \* do not incorporate an OS function. ⓈWhen Pentax mount incorporated with OS is attached to a Pentax \*1st series and K100D, the OS function will not operate. • Vignetting will occur

## The Major Distinguishing Characteristics of SIGMA Lenses

DG Lenses	AF Mount / UPC Code (please add 0085126 prefix in front)						Lens Construction	
	for SIGMA	for Sony	for Nikon	for Pentax △	for Canon	Four Thirds	Groups	Elements
12- 24mm F4.5- 5.6 EX DG ASPHERICAL / HSM *1	200404 (H)	200343 (D)	200558 (H)	200459	200275 (H)	—	12	16
24- 70mm F2.8 IF EX DG HSM *2	571566 (H)	571627 (H)	571559 (H)	571610 (H)	571542 (H)	—	12	14
24- 70mm F2.8 EX DG MACRO	548407	548346 (D)	548445	548452	548278	—	13	14
28- 300mm F3.5- 6.3 DG MACRO	795405	795344 (D)	795443	795450	795276	—	13	15
APO 50- 500mm F4.5-6.3 DG OS HSM *2	738563 (H)	738624 (H)	738556 (H)	738617 (H)	738549 (H)	—	16	22
APO 70-200mm F2.8 EX DG OS HSM *2	589561 (H)	589622 (H)	589554 (H)	589615 (H)	589547 (H)	—	17	22
APO 70- 200mm F2.8 II EX DG MACRO HSM *2	579562 (H)	579623 (H)	579555 (H)	579616 (H)	579548 (H)	—	15	18
70- 300mm F4- 5.6 DG OS *2	572563	572624 (M)	572556 (M)	572617 (M)	572549	—	11	16
APO 70- 300mm F4- 5.6 DG MACRO *1	508401	508340	508555 (M)	508456	508272	—	10	14
70- 300mm F4- 5.6 DG MACRO *1	509408	509347	509552 (M)	509453	509279	—	10	14
APO 120- 300mm F2.8 EX DG HSM	135560 (H)	—	135553 (H)	—	135546 (H)	—	16	18
APO 120- 400mm F4.5- 5.6 DG OS HSM *2	728564 (H)	728625 (H)	728557 (H)	728618 (H)	728540 (H)	—	15	21
APO 150- 500mm F5- 6.3 DG OS HSM *2	737566 (H)	737627 (H)	737559 (H)	737610 (H)	737542 (H)	—	15	21
APO 200-500mm F2.8 / 400-1000mm F5.6 EX DG *1	597566	—	597559	—	597542	—	13	17
APO 300-800mm F5.6 EX DG HSM	595562 (H)	—	595555 (H)	—	595548 (H)	—	16	18
8mm F3.5 EX DG CIRCULAR FISHEYE *2	485405	—	485597	—	485276	—	6	11
15mm F2.8 EX DG DIAGONAL FISHEYE	476403	476342	476441	476458	476274	—	6	7
20mm F1.8 EX DG ASPHERICAL RF	411404	411343 (D)	411442	411459	411275	—	11	13
24mm F1.8 EX DG ASPHERICAL MACRO	432409	432348 (D)	432447	432454	432270	—	9	10
28mm F1.8 EX DG ASPHERICAL MACRO	440404	440343 (D)	440442	440459	440275	—	9	10
50mm F1.4 EX DG HSM *2	310561 (H)	310622 (H)	310554 (H)	310615 (H)	310547 (H)	310585 (H)	6	8
85mm F1.4 EX DG HSM *2	320560 (H)	320621 (H)	320553 (H)	320614 (H)	320546 (H)	—	8	11
MACRO 50mm F2.8 EX DG	346409	346348	346447	346454	346270	—	9	10
MACRO 70mm F2.8 EX DG *2	270568	270346 (D)	270599	270605	270544	—	9	10
MACRO 105mm F2.8 EX DG	257408	257347	257446	257453	257279	—	10	11
APO MACRO 150mm F2.8 EX DG HSM *1	104566 (H)	—	104559 (H)	—	104542 (H)	104580 (H)	12	16
APO 300mm F2.8 EX DG / HSM	195564 (H)	195342	195557 (H)	195458	195540 (H)	—	9	11
APO 500mm F4.5 EX DG / HSM	184568 (H)	184346	184551 (H)	184452	184544 (H)	—	8	11
APO 800mm F5.6 EX DG / HSM	152567 (H)	—	152550 (H)	—	152543 (H)	—	9	12

### Notice for Product name/AF Mount and UPC code

• 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

• (M):It is incorporated with a built-in AF motor (for Nikon, Pentax and Sony mount)

• (H):It is incorporated with HSM. When (H) & (M)equipped models of Sony and Pentax lenses are attached to camera bodies that do not support HSM, AF will not function.

(H) & (M)equipped models of Nikon AF lenses allow auto-focus photography with Nikon Digital

SLR cameras aswell as Nikon F6, F5, F4series, F100, F90,F90X, F80, F70, u2, u, PRONEA 600, PRONEA S, FUJIFILM FinePix S2Pro, S3 Pro, S5 Pro, KODAK DCS Pro 14n and DCS Pro SLR/n. In other cases, focusing is done manually. • (D): It is compatible with D type cameras. All Nikon mounts are compatible with D type cameras. △: Pentax mount lenses cannot be used with SFX, and SF7. \*1:Nikon mount does not have an aperture ring. \*2:Nikon and Pentax mounts do not have an aperture ring. Some function of may not work depending on camera model. When attaching lenses indicated with \*1 and \*2, some function may not work depending on camera model.



	Angle of view (SD format)	Number of blades in diaphragm	Minimum Aperture (wide)	Minimum Focusing Distance (cm / in.)	Magnifi- cation	Filter Size ( $\phi$ mm)	Dimensions Diameter x Length ( $\phi$ mm x mm / $\phi$ in. x in.)	Weight (g / oz.)	Hood (included)
	114.5°– 75.7°	7	24	24 / 9.4	1:7.8	–	75x105.7 / 3.0x4.2	555 / 19.6	–
	102.4°– 63.8°	7	22	24 / 9.4	1:6.6	82	87.3x88.2 / 3.4x3.5	520 / 18.3	LH873-01
	102.4°– 63.8°	6	22	24 / 9.4	1:6.7	77	83.5x81 / 3.3x3.2	465 / 16.4	LH825-04
	72.4°– 27.9°	7	22	28 / 11.0	1:5	77	83.5x91.8 / 3.3x3.6	565 / 19.9	LH825-03
	72.4°– 20.2°	7	22	22 / 8.7	1:2.7	72	79x88.9 / 3.1x3.5	535 / 18.9	LH780-04
	69.3°– 27.9°	7	22	30 / 11.8	1:4.1	67	74x88.6 / 2.9x3.5	395 / 13.9	LH730-02
	69.3°– 11.4°	7	22	35 / 13.8	1:3.8	67	74x88.5 / 2.9x3.5	490 / 17.3	LH730-02
	69.3°– 7.1°	7	22	45 / 17.7	1:4.4	62	70x78.1 / 2.8x3.1	405 / 14.3	LH680-01
	69.3°– 7.1°	7	22	45 / 17.7	1:3.9	72	79x100 / 3.1x3.9	610 / 21.5	LH780-04
	69.3°– 5.7°	7	22	45 / 17.7	1:3.4	72	79x101 / 3.1x4.0	630 / 22.2	LH780-04
	27.9°– 7.1°	8	22	110 / 43.3	1:4.5	55	74.4x102.2 / 2.9x4.0	420 / 14.8	LH674-01
	180°	6	22	13.5 / 5.3	1:6	**	76.2x77.8 / 3.0x3.1	470 / 16.6	–
	154°	7	22	13.5 / 5.3	1:3.3	**	75.8x83.1 / 3.0x3.3	475 / 16.8	–
	45°	8	16	40 / 15.7	1:10.4	62	76.6x59 / 3.0x2.3	400 / 14.1	LH715-01

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.

Angle of view (35 mm format)	Angle of view (SD format)	Number of blades in diaphragm	Minimum Aperture (wide)	Minimum Focusing Distance (cm / in.)	Magnifi- cation	Filter Size ( $\phi$ mm)	Dimensions Diameter x Length ( $\phi$ mm x mm / $\phi$ in. x in.)	Weight (g / oz.)	Hood (included)	Tripod Socket (*indicates included with the lens)
122°– 84.1°	92.1°– 54.8°	6	22	28 / 11.0	1:7.1	**	87x102.5 / 3.4x4.0	600 / 21.2	–	–
84.1°– 34.3°	54.8°– 20.2°	9	22	38 / 15.0	1:5.3	82	88.6x94.7 / 3.5x3.7	790 / 27.9	LH876-01	–
84.1°– 34.3°	54.8°– 20.2°	9	32	40 / 15.7	1:3.8	82	88.7x115.5 / 3.5x4.5	715 / 25.2	LH875-02	–
75.4°– 8.2°	47.9°– 4.7°	8	22	50 / 19.7	1:3	62	74x86 / 2.9x3.4	490 / 17.3	LH680-01	–
46.8°– 5.0°	27.9°– 2.9°	9	22	50–180 / 19.7–70.9	1:3.1	95	104.4x219 / 4.1x8.6	1,970 / 69.5	LH1030-01	TS-31*
34.3°– 12.3°	20.2°– 7.1°	9	22	140 / 55.1	1:8	77	86.4x197.6 / 3.4x7.8	1,430 / 50.4	LH850-02	TS-21*,TS-41
34.3°– 12.3°	20.2°– 7.1°	9	22	100 / 39.4	1:3.5	77	86.5x184.4 / 3.4x7.3	1,370 / 48.3	LH850-01	TS-21*,TS-41
34.3°– 8.2°	20.2°– 4.7°	9	22	150 / 59.1	1:3.9	62	76.5x126.5 / 3.0x5.0	610 / 21.5	LH680-02	–
34.3°– 8.2°	20.2°– 4.7°	9	22	150*(95) / 59.1*(37.4)	1:4.1*(1:2)	58	76.6x122 / 3.0x4.8	550 / 19.4	LH635-01	–
34.3°– 8.2°	20.2°– 4.7°	9	22	150*(95) / 59.1*(37.4)	1:4.1*(1:2)	58	76.6x122 / 3.0x4.8	545 / 19.2	LH635-01	–
20.4°– 8.2°	11.8°– 4.7°	9	32	150–250 / 59.1–98.4	1:8.6	105	112.8x271 / 4.4x10.7	2,680 / 94.5	LH1134-01	TS-41*,TS-21
20.4°– 6.2°	11.8°– 3.6°	9	22	150 / 59.1	1:4.2	77	92.5x203.5 / 3.6x8.0	1,640 / 57.8	LH830-01	TS-31*
16.4°– 5°	9.5°– 2.9°	9	22	220 / 86.6	1:5.2	86	94.7x252 / 3.6x9.9	1,780 / 62.8	LH927-01	TS-31*
12.3°– 5°	7.1°– 2.9°	9	22	200–500 / 78.7–196.9	1:7.7	72 (Rear)	236.5x726 / 9.3x28.6	15,700 / 553.7	–	–
8.2°– 3.1°	4.7°– 1.8°	9	32	600 / 236.2	1:6.9	46 (Rear)	156.5x544 / 6.2x21.4	5,880 / 207.4	LH1571-02	–
180°	180°	6	22	13.5 / 5.3	1:4.6	**	73.5x68.6 / 2.9x2.7	400 / 14.1	–	–
180°	98.0°	7	22	15 / 5.9	1:3.8	**	73.5x69 / 2.9x2.7	370 / 13.0	–	–
94.5°	63.8°	9	22	20 / 7.9	1:4	82	88.6x89.5 / 3.5x3.5	520 / 18.3	LH875-02	–
84.1°	54.8°	9	22	18 / 7.1	1:2.7	77	83.6x82.5 / 3.3x3.2	485 / 17.1	LH825-03	–
75.4°	47.9°	9	22	20 / 7.9	1:2.9	77	83.6x82.5 / 3.3x3.2	500 / 17.6	LH825-03	–
46.8°	27.9°	9	16	45 / 17.7	1:7.4	77	84.5x68.2 / 3.3x2.7	505 / 17.8	LH829-01	–
28.6°	14.5°	9	16	85 / 33.5	1:8.6	77	86.4x87.6 / 3.4x3.4	725 / 25.6	LH850-03	–
46.8°	27.9°	7	45	18.8 / 7.4	1:1	55	71.4x66.5 / 2.8x2.6	320 / 11.3	LH550-02	–
34.3°	20.2°	9	22	25.7 / 10.1	1:1	62	76x95 / 3.0x3.7	525 / 18.5	LH620-01	–
23.3°	13.5°	8	45	31.3 / 12.3	1:1	58	74x97.5 / 2.9x3.8	460 / 16.2	LH580-03	–
16.4°	9.5°	9	22	38 / 15.0	1:1	72	79.6x137 / 3.1x5.4	895 / 31.6	LH780-03	TS-21*,TS-41
8.2°	4.7°	9	32	250 / 98.4	1:7.5	46 (Rear)	119x214.5 / 4.7x8.4	2,400 / 84.6	LH1196-01	TS-21*,TS-41
5°	2.9°	9	32	400 / 157.5	1:7.7	46 (Rear)	123x350 / 4.8x13.8	3,150 / 111.1	LH1236-01	–
3.1°	1.8°	9	32	700 / 275.6	1:8.8	46 (Rear)	156.5x521 / 6.2x20.5	4,900 / 172.8	LH1571-01	–

## Notice for stabilizer (OS) function

• The OS function may not work properly when this lens is used with Nikon and Canon mount film SLR cameras with the exception of the Nikon F6 and Canon EOS-1v. • OS equipped model of Pentax and Sony mounts are not capable of autofocus and OS function, when attaching to film SLR cameras as well as Pentax \*ist series and K100D. • When using the OS function of a lens with a camera which incorporates a stabilizer unit, please turn the camera's stabilizer unit off.

## Notice for any others

• The data for maximum diameter x length, weight and minimum aperture setting (f/-stop) was obtained using a SIGMA mount. varies depending on mount type. • An asterisk (\*\*) indicates the filter for a type of lens that allows insertion of a gelatin filter into rear of the lens. • If digital SLR cameras are used, the angle of view varies depending on the camera. •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.



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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