SIGMA



# LENS CATALOGUE

# SIGMA GLOBAL VISION

# NEW CONCEPT, NEW LINE.

## Sigma presents a new way of looking at lenses

When you're taking photos, your lens is critical to capturing the desired image. Changing your lens changes the photos you take. By selecting and changing the lens to suit the purpose and the situation, the photographer creates a personal camera system that serves his or her specific needs. This is the system we know as the SLR camera, and its performance depends on lens selection. Over the decades, Sigma has contributed to the art of photography by developing some of the world's finest lenses. Now, with our new lens lineup, you can transform not just your photographs but yourself as a photographer.

We've grouped our new lens models into three product lines: Contemporary, Art, and Sports. Each line has been assigned a clearly defined concept. From now on, all our products will be developed and presented in terms of how they embody these three concepts. Since digital SLR cameras are becoming increasingly multifunctional and diverse, we want to help photographers get the most out of their DLSR cameras and enjoy photography even more. Sigma may be a small company, but we're determined to effect some big changes. And this is just the beginning.

## Contemporary, Art, Sports: three lines, perfect order

Having taken our lenses to a new level of performance, Sigma has adopted a simple product identification strategy that makes it easy for users to identify the kind of lens for which they are looking. Building on this idea, we've reorganized all our lenses into three product lines, each characterized by its own clearly defined concept. From now on, every new lens we develop will be assigned to one of these product lines. Now finding the right lens is easier than ever.

### C Contemporary

Featuring the very latest technology and combining optical performance with compactness, our high-performance Contemporary line covers a wide range of needs.

Standard zoom lenses
Telephoto zoom lenses
High-magnification zoom lenses
More

### A Art

Designed with a focus on sophisticated optical performance and abundant expressive power, our Art line delivers high-level artistic expression.

Large-aperture prime lenses
Wide-angle lenses
Ultra-wide-angle lenses
Macro lenses
Fisheye lenses
More

### S Sports

Featuring sophisticated optical performance and expressiveness, our Sports line lenses deliver high action-capture performance, enabling photographers to get exactly the shots they want.

Telephoto lenses
Telephoto zoom lenses
Super telephoto lenses
Super telephoto zoom lenses
More

# ESSENTIALS

## You'll find our philosophy and craftsmanship in every product

Our new lineup fully expresses our approach to lenses and photography itself. All of our lenses belong to one of three lines—Contemporary, Art, or Sports—all of which share our development philosophy and advanced manufacturing system. High performance, high quality, and high end in every respect, these lenses give people who love photography lasting value and consistent, exciting results. The secret is our passion for craftsmanship that we put into every production process and every product.

### QUALITY

**Inspecting each and every lens with our proprietary Foveon-based A1 MTF measuring system, we deliver premium quality**

There are three requirements for outstanding lenses: fine design, precise manufacturing and inspection that ensures compliance with all specifications. Sigma lenses are born of outstanding design concepts and excellent manufacturing technology. But they're not complete until they undergo our uncompromising lens performance evaluation. We've developed our own A1 proprietary MTF (modulation transfer function) measuring system using 46-megapixel Foveon direct image sensors. Even previously undetectable high-frequency details are now within the scope of our quality control inspections. We check each and every lense in our new lines before we ship it. Thanks to our ultra-high-resolution sensors, you enjoy ultra-high-performance.

### CRAFTSMANSHIP

**"Made in Japan" craftsmanship is what makes our lenses high-performance, high-quality, and high-end**

Apart from a handful of processes, we manufacture our lenses in house. We grind lenses, mold plastic parts, painting, mount substrates, perform assembly, and even manufacture screws, many other parts, and molds. With this integrated system, we produce all of our interchangeable lenses, cameras, and strobes at our Aizu factory. In fact, we are now one of the very few manufacturers whose products are solely made in Japan. We like to think our products are somehow imbued with the essence of our homeland, blessed as it is with great natural beauty and focused, hard-working people. We pride ourselves on the authentic quality of Sigma products, which are born of a marriage between highly attuned expertise and intelligent, advanced technology. Our sophisticated products have satisfied professionals and lovers of photography all over the world, since our manufacturing is based on genuine craftsmanship, underpinned by the passion and pride of our experts.

## VALUE

**This proprietary Sigma service lets you use your cherished Sigma lenses for many years to come**

We at Sigma understand that, to a photographer, a lens is not only a key device for photographic expression but also a valuable asset. We'd like our customers to be able to use the lens systems they have carefully put together for as long as possible. Leveraging our expertise in manufacturing lenses with our own integrated production system, we are proud to present our new Mount Conversion Service. In this fee-based service, we will convert the mounts of your Sigma lenses to another mount system, allowing you to use your prized lenses with the camera system of your choice.

## CUSTOMIZATION

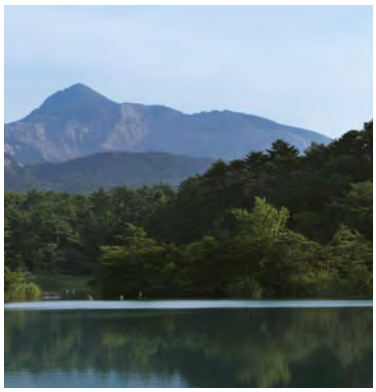
**Our new SIGMA USB DOCK accessory and exclusive software let you personalize the specification of your new Sigma lenses**

With our new lines of interchangeable lenses, the SIGMA USB DOCK accessory and exclusive SIGMA Optimization Pro software let photographers update lens firmware and customize focus position and other parameters. Simply connect the lens to a computer with the SIGMA USB DOCK and use the simple on-screen controls to create personal lens specifications. For Sports lenses, it is possible to select the autofocus speed and adjust the focus limiter and Optical Stabilizer (OS) function.

## RESPONSIBILITY

**In our manufacturing activities, we aim for sustainable growth and the highest standard of corporate social responsibility (CSR)**

The history of our Aizu factory, our sole production base, is also the history of Sigma itself. From the moment we first conceived the idea of setting up a factory in Aizu, we have aimed to grow and develop as a member of the local community. We believe that when a company sets up a business base, it has an economic and cultural responsibility to the local community from that time onward. The global market may be the principal focus of our business, but our attention to responsibility begins at home.



# ABOUT OUR LENS

## One Sigma—Three product lines

We reorganize all of our interchangeable lenses into three product lines. Each line has its own clearly defined concept, and we develop each lens to exemplify the concept of one of the lines.

### C Contemporary

Incorporating the very latest technology in these lenses, Sigma has solved the difficult problem of keeping size and weight low without compromising on advanced optical performance or utility. High-performance, versatile, compact and superbly portable, the lenses in our Contemporary line can handle landscape shots on your travels, casual snapshots, family pictures, and all sorts of other photo opportunities.

### A Art

With unsurpassed expressive performance, these lenses meet the highest standards demanded by photographers. Developed with the maximum emphasis on artistic touch, our Art line lenses are designed to meet the expectations of users who value a creative, dramatic outcome above compactness and multifunction. Along with landscapes, portraits, still-life, close-up and casual snaps, they're perfect for the kind of photography that unleashes the inner artist. Ideal for studio photography, they offer just as much expressive scope when capturing architecture, starry skies, underwater shots and many other scenes.

### S Sports

With their high-level optical performance and expressive power, these lenses can capture fast-moving subjects, even at distance. This high-performance line also offers a variety of functions to aid the photographer in challenging conditions and scenarios. Besides sports photography, the lenses are also perfect for nature shots featuring birds, wild animals and other creatures, and for capture of aircraft, trains, race cars and more. Our Sports line lenses also offer a wide range of customization functions: exclusive software allows many settings to be customized.




## Lens categories for all major standards

For our three new lines, Sigma develops lenses optimized for 35mm full-frame, APS-C, and mirrorless interchangeable lens cameras.

### SIGMA DN LENS

**High-performance lenses for mirrorless interchangeable lens cameras**

We have developed these high-performance, compact lenses with quiet autofocusing based on original technology and know-how we acquired through the development of digital cameras and interchangeable lenses. The superior telecentricity assures sharp and high-resolution image quality across the entire image plane. In addition, DN lenses benefit from a linear AF motor which moves the lens unit directly without the need for gears or other mechanical parts. This system ensures accurate and quiet autofocusing, making the lens suitable for video recording as well as still photos.

### SIGMA DC LENS

**High-performance Lens for APS-C format DSLR cameras.**

Optimized for DSLRs with APS-C size image sensors, these lenses leverage original technology fostered in the development of Sigma SD series cameras. The configuration of lens elements and the lens coatings represent the culmination of decades of optical engineering experience. The result is truly excellent performance in a compact, lightweight format that offers outstanding flexibility to the serious photographer.

### SIGMA DG LENS

**High-performance SLR lenses with full-frame sensor coverage**

Designed to deliver the ultimate in performance on full-frame digital SLRs, Sigma DG lenses also bring out the best in 35mm SLR film cameras and APS-C size DSLRs. Remarkable image rendition is achieved by comprehensive correction of aberrations and distortions. Special care is taken to thoroughly minimize color fringing caused by lateral chromatic aberration, which is particularly noticeable at high resolution in digital photography. DG lenses can offer both high contrast and subtle tonal gradations, unmarred by flare and ghosting, thanks to Sigma's digitally optimized optical design and original Super Multi-Layer Coating technology, which suppress reflections between image sensor and lens surfaces. Large image circles assure ample peripheral brightness to prevent vignetting.

Note 1: DC lenses have an image circle that covers APS-C size image sensors. Not for use on digital cameras having image sensors larger than APS-C size or on 35mm or APS film cameras, as vignetting will occur.
Note 2: To find the 35mm camera-equivalent focal length, multiply the DC lens focal length by the crop factor (digital multiplier) of 1.5, 1.6, or 1.7, depending on the brand of DSLR camera on which the lens will be used. To find which DC lens is equivalent to a full-frame lens, divide the focal length of the full frame lens by the same crop factor.


MADE IN JAPAN
AF
MF
FOCUS
18-35mm 1:1.8 DC
35
28
24
20
18

**35mm F1.4 DG HSM** ISO100 1/250s F6.3 © RYUICHI OSHIMOTO

C Contemporary

# DC LENS

Lens for APS-C format DSLR camera

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

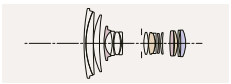
| ASP | FLD/SLD | OS* | HSM | IF |

Hood (LH780-03) included

**High-performance and compact—large-aperture APS-C format standard zoom lens**

Covering the standard zoom range, this lens has a focal range equivalent to 25.5-105mm on a 35mm lens. Thanks to Sigma's latest technologies, it's exceptionally lightweight and 30% more compact by volume than previous lenses of its type. Its low F-number equips photographers to shoot subjects at extremely close range, making this the perfect lens for travel, family photos, artistic compositions, and many other uses. A complement to uncompromising optical performance, functionality, quality, and elegance, the compact size of the lens makes it ideal for everyday use.

Note: Optical Stabilizer (OS) functionality not available for Sony and Pentax mounts.



- Lens construction: 14 groups, 16 elements
- Minimum focusing distance: 22cm (8.7in.)
- Magnification: 1:2.8
- Filter size: ø 72mm
- AF mounts: 17-70mm F2.8-4 DC MACRO OS HSM for Sigma, Nikon, Canon 17-70mm F2.8-4 DC MACRO HSM for Sony, Pentax

A Art

# DC LENS

Lens for APS-C format DSLR camera

## 18-35mm F1.8 DC HSM

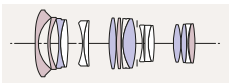
| ASP | SLD | HSM | IF |

Case and hood (LH780-06) included

**F1.8 brightness throughout the zoom range—large-aperature standard zoom lens for APS-C format cameras**

SIGMA 18-35mm F1.8 DC HSM is the first zoom lens ever to achieve a maximum aperture of F1.8 throughout the zoom range.* It is a wide-aperture, standard zoom-lens for digital single lens reflex cameras with APS-C size sensors. The lens has a focal range equivalent to 27-52.5mm in a 35mm format, and it can cover the angles of view of multiple fixed-focal length lenses. This wide-aperture, standard zoom lens enables the photographer to expand creative possibilities on any occasion.

*Among interchangeable lenses for DSLR cameras as of April, 2013



- Lens construction: 12 groups, 17 elements
- Minimum focusing distance: 28cm
- Magnification: 1:4.3
- Filter size: ø 72mm
- AF mounts: Sigma, Sony, Nikon, Pentax, Canon

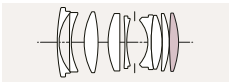
## 30mm F1.4 DC HSM

| ASP | HSM | RF |

Case and hood (LH686-01) included

**Ideal for artistic shots—large-aperture standard lens with F1.4 brightness**

This large-aperture standard lens with an angle of view equivalent to 45mm on a 35mm camera is a superb go-to for artistic photography on an APS-C format DSLR camera. Offering a bright F1.4 aperture and an angle of view extremely close to that of human vision, this lens is ideal for many different types of photographic expression. Featuring an advanced design and the latest manufacturing technologies, this lens delivers highest-level image quality worthy of the Art line. The photographer can leverage the shallow depth of field for a beautiful bokeh effect in snapshots, portraits, landscapes, and many other types of photography.



- Lens construction: 8 groups, 9 elements
- Minimum focusing distance: 30cm
- Magnification: 1:6.8
- Filter size: ø 62mm
- AF mounts: Sigma, Nikon, Canon

A Art

# DG LENS

Standard lens for DSLR camera

## 24-105mm F4 DG OS HSM / DG HSM

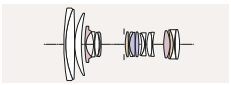
| ASP | FLD/SLD | OS* | HSM | IF |

Case and hood (LH876-02) included

**From wide-angle to medium telephoto—new standard zoom lens combining high image quality with convenience**

When shooting nature or travel scenes, photographers need a high zoom ratio combined with excellent handling to capture all the subjects they encounter. This new standard zoom lens covers the most commonly used zoom range, from wide-angle to medium telephoto, combining high and stable image quality with outstanding convenience. It also takes usability to the next level, offering F4 brightness throughout the zoom range, OS (Optical Stabilizer) functionality, and an HSM (hypersonic motor). Thanks to its convenient handling, this is an ideal lens for many types of photography such as snapshots, portraits, and landscapes.

Note: Optical Stabilizer (OS) functionality not available for Sony mounts.



- Lens construction: 14 groups, 19 elements
- Minimum focusing distance: 45cm
- Magnification: 1:4.6
- Filter size: ø 82mm
- AF mounts:24-105mm F4 DG OS HSM for Sigma, Nikon, Canon 24-105mm F4 DG HSM for Sony

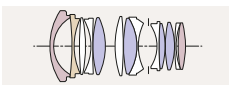
## 35mm F1.4 DG HSM

| ASP | FLD/SLD | HSM | IF |

Case and hood (LH730-03) included

**Our Art line flagship—large-aperture wide-angle lens with F1.4 brightness**

With unsurpassed expressive performance, this large-aperture lens offers a bright F-number of F1.4 in wide-angle photography and beautiful bokeh effects. Coma of point light sources is minimized, making this lens an excellent choice for photographing illumination. The aspheric lens at the front of the lens series helps minimize both distortion and vignetting. The viewfinder image is bright from the center to the edges, and the rounded diaphragm produces an attractive round bokeh effect at large-aperture settings.



- Lens construction: 11 groups, 13 elements
- Minimum focusing distance: 30cm
- Magnification: 1:5.2
- Filter size: ø 67mm
- AF mounts: Sigma, Sony, Nikon, Pentax, Canon

*The angle of view depends on camera model.

Illustrations of lens configurations are color-coded as follows: - Aspherical lens, - SLD glass, - ELD glass, - FLD glass.

# DN LENS

Lens for mirrorless camera

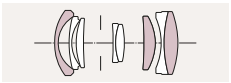
## 19mm F2.8 DN

**| ASP | IF |**

Case and hood (LH520-03) included

**High-performance wide-angle lens for mirrorless cameras**

This high-performance standard lens offers an angle of view equivalent to 38mm on the Micro Four Thirds system and 28.5mm on the E-mount system (35mm equivalent focal length). A wide-angle lens with excellent mobility, it is ideal for casual snapshots as well as indoor photography that leverages its wide angle of view.



- Lens construction: 6 groups, 8 elements
- Minimum focusing distance: 20cm (7.8in.)
- Magnification: 1:7.4
- Filter size: ø 46mm
- AF mounts: Micro Four Thirds System, Sony E-mount

Black

Silver

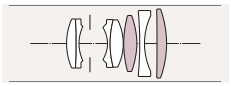
## 30mm F2.8 DN

**| ASP | IF |**

Case and hood (LH520-03) included

**High-performance standard lens for mirrorless cameras**

This high-performance standard lens offers an angle of view of equivalent to 60mm on the Micro Four Thirds system and 45mm on the E-mount system (35mm equivalent focal length). Designed with a focus on power distribution, this lens delivers exceptional image quality. With excellent mobility, it is ideal for both casual snapshots and portraits.



- Lens construction: 5 groups, 7 elements
- Minimum focusing distance: 30cm (11.8in.)
- Magnification: 1:8.1
- Filter size: ø 46mm
- AF mounts: Micro Four Thirds System, Sony E-mount

Black

Silver

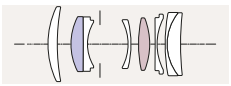
## 60mm F2.8 DN

**| ASP | SLD | IF |**

Case and hood (LH520-03) included

**High-performance mid-range telephoto lens for mirrorless cameras**

This high-performance mid-range telephoto lens offers an angle of view of equivalent to 120mm on the Micro Four Thirds system and 90mm on the E-mount system (35mm equivalent focal length). Offering a feeling of natural perspective, a shallow depth of field, and beautiful bokeh effects, this lens allows the photographer to single out and capture a particular part of a subject. It brilliantly realizes the photographer's intentions to create highly artistic shots.



- Lens construction: 6 groups, 8 elements
- Minimum focusing distance: 50cm (19.7in.)
- Magnification: 1:7.2
- Filter size: ø 46mm
- AF mounts: Micro Four Thirds System, Sony E-mount

Black

Silver



# DG LENS

Telephoto lens for DSLR camera

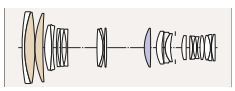
## 120-300mm F2.8 DG OS HSM

**| FLD/SLD | OS | HSM | IF | CONV |**

Case, hood (LH1220-01), shoulder strap, and tripod socket (TS-51) included

**Extending the range of photographic expression—high-performance large-aperture telephoto zoom lens**

This lens combines the highest levels of optical performance and photographic expression with equally fine functionality and usability. It embodies the concept of the Sports line, which features outstanding action-capture performance. Fully customizable, it allows photographers to create their own specification. It is an ideal choice for photographing sports events, animals and natural environments, airplanes, motorsports, and even portraits. It greatly empowers photographic expression, allowing photographers to capture those crucial shots.



- Lens construction: 18 groups, 23 elements
- Minimum focusing distance: 150-250cm (59.1-98.4in.)
- Magnification: 1:8.1 (at 200mm)
- Filter size: ø 105mm
- AF mounts: Sigma, Nikon, Canon

Illustrations of lens configurations are color-coded as follows: - Aspherical lens, - SLD glass, - ELD glass, - FLD glass.

# ACCESSORIES

Accessory for all new Sigma lines

## USB DOCK

By connecting a Sigma Art, Contemporary, or Sports lens to a computer with the SIGMA USB DOCK, photographers can update the lens firmware and adjust focus position and other parameters. Exclusive SIGMA Optimization Pro software makes customization easy. For Sports lenses, it is possible to select the autofocus speed and adjust the focus limiter and Optical Stabilizer (OS) function.

UPC code
Sigma: 0085126-878566
Nikon: 0085126-878559
Canon: 0085126-878542

# SOFTWARE

Software for all new Sigma lines

## SIGMA Optimization Pro

Exclusive SIGMA Optimization Pro software can customize the following settings:

### Focus position adjustment screen

**Art, Contemporary, and Sports**

**Lens firmware update:** Users can connect to the Internet via the SIGMA USB DOCK and a computer to download the latest lens firmware from Sigma.

**Focus setting:** Multiple focus setting options are available: 4 categories for fixed focal length lenses, and 16 categories (4 options for focal length x 4 options for shooting distance) for zoom lenses.

**Sports line only**

**AF speed selection:** Three AF speed modes are available.

**Focus limiter adjustment:** Any value in the AF drive range may be selected.

**OS adjustment:** Three OS (Optical Stabilizer) adjustment modes are available to match photographic subjects.

SIGMA Optimization Pro for Windows and SIGMA Optimization Pro for Macintosh may be downloaded from the following link:
http://www.sigma-global.com/download
http://www.sigma-global.com/download/en/index.html

Windows
Operating conditions:
- Core2Duo or faster processor
- Windows 7 or Windows 8
- 1GB of available hard drive space
- 24-bit graphics card (approximately 16.7 million colors)
- 1,024 x 768 or higher screen resolution
- USB 1.1 as standard

Mac OS
Operating conditions:
- Mac OS X Version 10.7 or 10.8 and Intel Core Processor
- 1GB of RAM
- 1GB of available hard disk space
- 24-bit or higher graphics card
- 1,024 x 768 or higher screen resolution.
- USB 1.1 as standard.

# WIDE ZOOM LENS **DC**

Wide-angle zoom lens for APS-C format DSLR camera

The wide angle of view and short focal length of these lenses make it possible to compress distance and emphasize perspective in striking and dynamic ways.

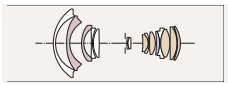
## 8-16mm F4.5-5.6 DC HSM

**| ASP | FLD/SLD | HSM | IF |**

Case included

**World's first of its type—ultra-wide-angle zoom lens with 8mm minimum focal length**

This is the world's first ultra-wide-angle zoom lens with a minimum focal length of 8mm designed especially for DSLR cameras with APS-C image sensors. Its ultra-wide angle of 121.2° can create dramatic effects with exaggerated perspective. Four FLD glass elements and three aspherical lenses assure superb image quality, while the Super Multi-Layer Coating minimizes flare and ghosting. The HSM provides fast and quiet autofocusing with full-time manual capability.



- Lens construction: 11 groups, 15 elements
- Minimum focusing distance: 24cm (9.4in.)
- Magnification: 1:7.8
- AF mounts: Sigma, Sony, Nikon, Pentax, Canon

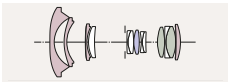
## 10-20mm F3.5 EX DC HSM

**| EX | ASP | ELD/SLD | HSM | IF |**

Case and hood (LH873-01) included

**Ultra-wide-angle zoom lens for digital cameras with bright fixed F-number**

With a fixed maximum aperture of F3.5 throughout the entire zoom range, this ultra-wide-angle zoom lens lets you shoot in low light and create beautiful bokeh effects to isolate your subject. The maximum 109.7° angle of view makes possible bold use of perspective in expressive shots. ELD (Extraordinary Low Dispersion) and SLD (Special Low Dispersion) glass and aspherical lens elements help minimize optical aberrations and make possible a highly compact lens. Sigma's Super Multi-Layer Coating minimizes flare and ghosting, while the HSM ensures fast and quiet autofocusing.



- Lens construction: 10 groups, 13 elements
- Minimum focusing distance: 24cm (9.4in.)
- Magnification: 1:6.6
- Filter dize: ø 82mm
- AF mounts: Sigma, Sony, Nikon, Pentax, Canon

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

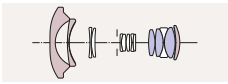
**| EX | ASP | SLD | HSM* | IF |**

Case and hood (LH825-04) included

**For true wide-angle photography—ultra-wide-angle zoom lens for digital cameras**

An ultra-wide-angle zoom lens that is ideal for capturing the grandeur of landscapes and creating a strong sense of perspective. The minimum focusing distance is only 24cm, so a small nearby subject can be shot against a far-off background. SLD glass and aspherical lens elements deliver high image quality throughout the entire zoom range. Models equipped with HSM offer fast and quiet autofocusing.

*Pentax and Sony mounts (non-HSM version)



- Lens construction: 10 groups, 14 elements
- Minimum focusing distance: 24cm (9.4in.)
- Magnification: 1:6.7
- Filter size: ø 77mm
- AF mounts: 10-20mm F4-5.6 EX DC HSM for Sigma, Nikon, Canon 10-20mm F4-5.6 EX DC for Sony, Pentax

# WIDE LENS **DC**

Wide-angle lens for APS-C format DSLR camera

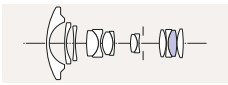
## 4.5mm F2.8 EX DC CIRCULAR FISHEYE HSM

**| EX | SLD | HSM | IF |**

Case included.

**World's first of its type—circular fisheye lens for APS-C format DSLR cameras**

This lens creates a circular image that can capture entire landscapes or serve as input for remapping to immersive panoramas. With its equisolid angle projection, the lens also has scientific applications. The maximum aperture of F2.8 permits relatively short exposures when the photographer is shooting celestial objects or auroras. The minimum focusing distance is 13.5cm, and the maximum magnification is 1:6. SLD glass provides powerful correction of aberration, while the Super Multi-Layer Coating minimizes flare and ghosting. The HSM provides fast and quiet autofocusing with full-time manual capability.



- Lens construction: 9 groups, 13 elements
- Minimum focusing distance: 13.5cm (5.3in.)
- Magnification: 1:6
- Filter type: Gelatin
- AF mounts: Sigma, Sony, Nikon, Pentax, Canon

## 10mm F2.8 EX DC FISHEYE HSM

**| EX | HSM |**

Case included

**Ideal for close shots—fisheye lens for APS-C format DSLR cameras**

This fisheye lens produces a diagonal angle of view of 180°* for striking images with exaggerated perspective and distortion. The minimum focusing distance of 13.5cm/5.3in. and maximum magnification of 1:3.3 allow subjects to be as close as 1.8cm/0.7in. from the lens's front element. The integral hood and Super Multi-Layer Coating minimize flare and ghosting and create superior image quality.

- Lens construction: 7 groups, 12 elements
- Minimum focusing distance: 13.5cm (5.3in.)
- Magnification: 1:3.3
- Filter type: Gelatin
- AF mounts: Sigma, Sony, Nikon, Pentax, Canon

*The angle of view depends on camera model.

Illustrations of lens configurations are color-coded as follows: - Aspherical lens, - SLD glass, - ELD glass, - FLD glass.

# WIDE ZOOM LENS **DG**

Wide-angle zoom lens for DSLR camera

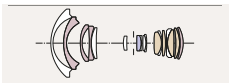
## 12-24mm F4.5-5.6 II DG HSM

**| ASP | FLD/SLD | HSM | IF |**

Case included

**Ultra-wide-angle zoom lens for 35mm full-frame DSLR cameras**

This ultra-wide-angle zoom lens incorporates the latest optical design technology to provide superior performance. FLD ("F" Low Dispersion) glass elements, which offer performance equal to that of fluorite, and SLD (Special Low Dispersion) glass elements provide excellent correction of chromatic aberration. Aspherical lenses contribute to the lens's advanced performance and compact construction. The Super Multi-Layer Coating reduces flare and ghosting. High image quality is assured throughout the entire zoom range. The HSM ensures quiet and high-speed autofocus, and the lens offers full-time manual focus capability as well. This lens has superior peripheral brightness and provides sharp and high-contrast images even at maximum aperture.



- Lens construction: 13 groups, 17 elements
- Minimum focusing distance: 28cm (11.0in.)
- Magnification; 1:6.4
- AF mounts: Sigma, Sony, Nikon, Canon

# WIDE LENS **DG**

Wide-angle lens for DSLR camera

## 8mm F3.5 EX DG CIRCULAR FISHEYE

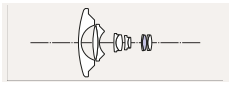
**| EX | SLD |**

Case included

**Large F3.5 aperture and close-up capability—circular fisheye lens for DSLR cameras**

This circular fisheye lens produces circular images* with a 180° angle of view. With the exaggerated perspective of its wide angle of view, this lens has great potential for creative expression. The lens also benefits from a F3.5 maximum aperture and autofocus. The minimum focusing distance is 13.5cm, and maximum magnification is 1:4.6. For outstanding image quality, Sigma's Super Multi-Layer Coating minimizes flare and ghosting, while SLD glass corrects chromatic aberration.

*A full-circle image can only be captured with full-frame (36 x 24mm sensor) DSLR and 35mm film SLR cameras.



- Lens construction: 6 groups, 11 elements
- Minimum focusing distance: 13.5cm (5.3in.)
- Magnification: 1:4.6
- Filter type: Gelatin
- AF mounts: Sigma, Nikon, Canon

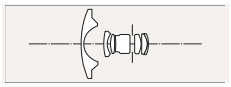
## 15mm F2.8 EX DG DIAGONAL FISHEYE

**| EX |**

Case included

**Diagonal fisheye autofocus lens for DSLR cameras**

This fisheye lens with a 180° angle of view across the diagonal offers distorted images and a minimum focusing distance of 15cm for creative photography. A photo with extreme perspective can be taken by shooting a subject in the foreground against a background wider than the range of human vision.



- Lens construction: 6 groups, 7 elements
- Minimum focusing distance: 15cm (5.9in.)
- Magnification: 1:3.8
- Filter type: Gelatin
- AF mounts: Sigma, Sony, Nikon, Pentax, Canon

## 20mm F1.8 EX DG ASPHERICAL RF

**| EX | ASP | RF |**

Case and hood (LH875-02) included

**Superior peripheral brightness—large-aperture wide-angle lens**

With its 94.5° angle of view and shallow depth of field enabled by the maximum aperture of F1.8, this ultra-wide-angle lens offers vast creative possibilities. The large aperture of F1.8 aids handheld shooting in available light, making it ideal for indoor use as well as architectural and landscape photography. For close-up photography, the minimum focusing distance is 20cm with a lens-to-subject working distance of 6.5cm. Aspherical lens elements effectively correct aberration and minimize vignetting, providing superior peripheral brightness. The rear focus system eliminates front lens rotation, making it possible to use the included hood.

- Lens construction: 11 groups, 13 elements
- Minimum focusing distance: 20cm (7.9in.)
- Magnification: 1:4
- Filter size: ø 82mm
- AF mounts: Sigma, Sony, Nikon, Pentax, Canon

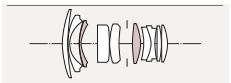
## 24mm F1.8 EX DG ASPHERICAL MACRO

**| EX | ASP |**

Case and hood (LH825-03) included

**Excellent for close-up photography—large-aperture wide-angle lens**

The large maximum aperture of F1.8 enables beautiful bokeh effects. Using a floating focus configuration, this lens provides magnification of 1:2.7 and a minimum focusing distance of 18cm to open up vast opportunities for close-up photography. Aspherical lens elements effectively correct aberrations and provide superior peripheral brightness to minimize vignetting. The lens has a straight focusing system and comes equipped with a hood.



- Lens construction: 9 groups, 10 elements
- Minimum focusing distance: 18cm (7.1in.)
- Magnification: 1:2.7
- Filter size; ø 77mm
- AF mounts: Sigma, Sony, Nikon, Pentax, Canon

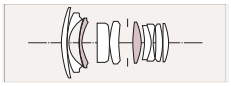
## 28mm F1.8 EX DG ASPHERICAL MACRO

**| EX | ASP |**

Case and hood (LH825-03) included

**Large-aperture wide-angle lens for digital and 35mm film SLR cameras**

This wide-angle lens offers a large maximum aperture of F1.8. Sigma's floating focus configuration enables close-up photography with a minimum focusing distance of 20cm and maximum magnification of 1:2.9. This lens is suitable for landscape, architectural, portrait, and general photography. Aspherical lens elements effectively correct aberrations and provide superior peripheral brightness to minimize vignetting. The lens has a straight focusing system and comes equipped with a hood.



- Lens construction: 9 groups, 10 elements
- Minimum focusing distance: 20cm (7.9in.)
- Magnification: 1:2.9
- Filter size: ø 77mm
- AF mounts: Sigma, Sony, Nikon, Pentax, Canon

Illustrations of lens configurations are color-coded as follows: - Aspherical lens, - SLD glass, - ELD glass, - FLD glass.

8-16mm F4.5-5.6 DC HSM FOCAL LENGTH 16mm ISO100 1/320s F10.0 © RYUICHI OSHIMOTO

# STANDARD ZOOM LENS **DC**

Standard zoom lens for APS-C format DSLR camera

A zoom lens gives you flexible control over angle of view and apparent perspective. With a standard zoom lens —a single lens lets you shoot large group portraits, architecture, landscapes, and more.

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

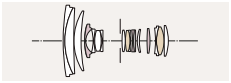
**| EX | ASP | FLD | OS* | HSM | IF |**

Hood (LH825-03) included

**Minimum focal length of 17mm—large-aperture standard zoom lens for DSLR cameras**

This large-aperture standard zoom lens covers a wide-angle focal length of 17mm. Ideal for travel and other situations where you want mobility, this lens has a compact body and is only 91.8mm long. Two FLD glass elements and three aspherical lens elements correct aberrations, while the Super Multi-Layer Coating minimizes flare and ghosting. Plentiful peripheral brightness assures sharp, high-contrast images all the way to the maximum aperture. The HSM provides fast and quiet autofocusing.

Note: Optical Stabilizer (OS) functionality not available for Sony and Pentax mounts.



- Lens construction: 13 groups, 17 elements
- Minimum focusing distance: 28cm (11.0in.)
- Magnification: 1:5
- Filter size: ø 77mm
- AF mounts: 17-50mm F2.8 EX DC OS HSM for Sigma, Nikon, Canon 17-50mm F2.8 EX DC HSM for Sony, Pentax

## 18-200mm F3.5-6.3 II DC OS HSM / DC HSM

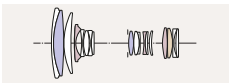
**| ASP | FLD/SLD | OS* | HSM | IF |**

Hood (LH680-01) included

**Compact high-zoom ratio lens with OS (Optical Stabilizer)**

Combining outstanding image quality with a compact design, this 11.1x high-zoom ratio lens incorporates Sigma's original OS function. FLD ("F" Low Dispersion) glass elements, which offer performance equal to that of fluorite, and SLD (Special Low Dispersion) glass elements effectively correct chromatic aberration. Optimally positioned in the lens groups, aspherical lens elements contribute to outstanding image quality and the lens's compact design. With a length of only 87.7mm, this lens offers outstanding mobility for use in a wide variety of photographic scenes. The HSM ensures fast and quiet autofocusing. The rounded 7-blade circular diaphragm creates beautiful round bokeh effects at larger aperture settings.

Note: Optical Stabilizer (OS) functionality not available for Sony mounts.



- Lens construction: 14 groups, 18 elements
- Minimum focusing distance: 45cm (17.7in.)
- Magnification: 1:3.8
- Filter size: ø 62mm
- AF mounts: 18-200mm F3.5-6.3 II DC OS HSM for Sigma, Nikon, Canon 18-200mm F3.5-6.3 II DC HSM for Sony

## 18-250mm F3.5-6.3 DC MACRO OS HSM / DC MACRO HSM

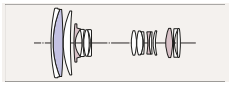
**| ASP | SLD | OS* | HSM | IF |**

Hood (LH680-04) included

**High-performance and compact—high-zoom ratio lens for DSLR cameras**

One single all-purpose lens for digital cameras does it all, offering exceptional wide-angle, telephoto, and macro functionality. Featuring revolutionary optical and structural designs, this lens offers a compact size, a minimum focusing distance of 35cm, and a maximum magnification ratio of 1:2.9. SLD (Special Low Dispersion) glass elements effectively correct chromatic aberration. Thanks to precision-molded glass aspherical lens elements and control via a newly designed cam, this lens offers minimal optical aberrations and outstanding image quality throughout the zoom range. The barrel features a new TSC (Thermally Stable Composite) material. Ideal for keeping equipment to a minimum during travel, this lens is a versatile ally in a wide range of uses and situations.

Note: Optical Stabilizer (OS) functionality not available for Sony and Pentax mounts.



- Lens construction: 13 groups, 16 elements
- Minimum focusing distance: 35cm
- Magnification: 1:2.9
- Filter size: ø 62mm
- AF mounts: 18-250mm F3.5-6.3 DC MACRO OS HSM for Sigma, Nikon, Canon 18-250mm F3.5-6.3 DC MACRO HSM for Pentax, Sony

# STANDARD ZOOM LENS **DG**

Standard zoom lens for DSLR camera

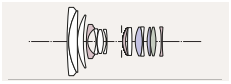
## 24-70mm F2.8 IF EX DG HSM

**| EX | ASP | ELD/SLD | HSM | IF |**

Case and hood (LH876-01) included

**Fully equipped with HSM—large-aperture standard zoom lens for full-frame SLR cameras**

With a total length of only 94.7mm, this compact lens is ideal for a wide range of genres such as portrait and landscape photography. The F2.8 maximum aperture is maintained throughout the entire zoom range, which covers frequently used focal lengths down to a wide angle of 24mm. ELD and SLD glass together with aspherical lens elements correct aberrations to assure imaging excellence at all focal lengths. The rounded 9-blade circular diaphragm creates beautiful bokeh effects at larger aperture settings, while the HSM provides fast and quiet autofocusing with full-time manual capability.



- Lens construction: 12 groups, 14 elements
- Minimum focusing distance: 38cm (15.0in.)
- Magnification: 1:5.3
- Filter size; ø 82mm
- AF mounts: Sigma, Sony, Nikon, Pentax, Canon

# STANDARD LENS **DG**

Standard lens for DSLR camera

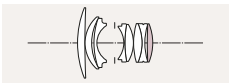
## 50mm F1.4 EX DG HSM

**| EX | ASP | HSM |**

Case and hood (LH829-01) included

**Great choice for all photography, digital-compatible—large-aperture standard lens**

This large aperture 50mm standard prime lens is capable of producing sharp, high-contrast images from wide-open aperture onward with plenty of peripheral brightness. The F1.4 maximum aperture and rounded 9-blade diaphragm create beautiful rounded bokeh effects for portraits, landscapes, and group shots. Precision-molded glass aspherical lenses achieve superior correction of chromatic aberration to assure high image quality across the entire image plane. The HSM provides fast and quiet autofocusing with full-time manual capability.



- Lens construction: 6 groups, 8 elements
- Minimum focusing distance: 45cm (17.7in.)
- Magnification: 1:7.4
- Filter size: 77mm
- AF mounts: Sigma, Sony, Nikon, Pentax, Canon

*The angle of view depends on camera model.

Illustrations of lens configurations are color-coded as follows: - Aspherical lens, - SLD glass, - ELD glass, - FLD glass.

**18-200mm F3.5-6.3 II DC OS HSM** FOCAL LENGTH 22mm ISO100 1/500s F8.0 © RYUICHI OSHIMOTO

**APO 70-200mm F2.8 EX DG OS HSM** FOCAL LENGTH 200mm ISO100 1/100s F4.0 © RYUICHI OSHIMOTO

# TELEPHOTO ZOOM LENS **DC**

Telephoto zoom lens for APS-C format DSLR camera

Bridge distances and create dramatic ambience with a telephoto zoom lens.
Indispensable for wildlife and sports photography.

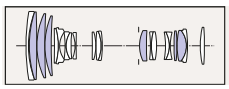
## APO 50-150mm F2.8 EX DC OS HSM

**| EX | SLD | OS | HSM | IF | CONV |**

Case, hood (LH850-02), and tripod socket (TS-21) included

**Fully equipped with OS—large-aperture telephoto zoom lens for digital cameras**

This large-aperture telephoto zoom lens for digital cameras incorporates Sigma's original OS (Optical Stabilizer) function. SLD glass elements provide excellent correction for chromatic aberration, and image quality is excellent at all distances. This lens incorporates an inner focusing and inner zooming system, resulting in steady holding of both focus and zoom. This lens has a minimum focusing distance of 80cm and maximum magnification of 1:6.3. The rounded diaphragm creates an attractive round bokeh effect, even at wide-open aperture. This lens is compatible with Sigma's APO TELE CONVERTERS (sold separately).



- Lens construction: 15 groups, 21 elements
- Minimum focusing distance: 80cm (31.5in.)
- Magnification: 1:6.3
- Filter size: ø 77mm
- AF mounts: Sigma, Nikon, Canon

# TELEPHOTO ZOOM LENS **DG**

Telephoto zoom lens for DSLR camera

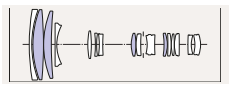
## APO 50-500mm F4.5-6.3 DG OS HSM

**| SLD | OS | HSM | RF | CONV |**

Case, hood (LH1030-01), shoulder strap, stepdown ring, hood adapter (HA1030-01), and tripod socket (TS-31) included

**Covering 50-500mm—10x telephoto zoom lens**

This 10x telephoto zoom lens covers the range of 50mm (standard) to 500mm (telephoto) and incorporates Sigma's Optical Stabilizer (OS). One lens allows photographers to handle everything from snapshots and macro photography to photographing aircraft and motorsports—all without a tripod. SLD glass corrects chromatic aberration to assure pristine image rendition throghout the entire zoom range. The HSM provides fast and quiet autofocusing with full-time manual capability. An APO TELE CONVERTER (sold separately) can be mounted to create a 1,000mm ultra-telephoto lens.



- Lens construction: 16 groups, 22 elements
- Minimum focusing distance: 50-180cm (19.7-70.9in.)
- Magnification: 1:3.1
- Filter size: ø 95mm
- AF mounts: Sigma, Sony, Nikon, Pentax, Canon

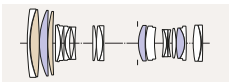
## APO 70-200mm F2.8 EX DG OS HSM

**| EX | FLD/SLD | OS | HSM | IF | CONV |**

Case, hood (LH850-02), hood adapter (HA850-01), and tripod socket (TS-21) included

**Fully equipped with OS—large-aperture telephoto zoom lens for full-frame SLR cameras**

This large-aperture telephoto zoom lens has an open-aperture value of F2.8 throughout the entire zoom range. Two FLD glass elements, offering performance on par with fluorite glass, and three SLD glass elements effectively correct chromatic aberration to assure excellent image quality all the way to full aperture. The Super Multi-Layer Coating minimizes flare and ghosting, and the HSM provides fast and quiet autofocusing with full-time manual capability. This lens is also compatible with Sigma's exclusive APO TELE CONVERTER (sold separately).



- Lens construction: 17 groups, 22 elements
- Minimum focusing distance: 140cm (55.1in.)
- Magnification: 1:8
- Filter size: ø 77mm
- AF mounts: Sigma, Sony, Nikon, Pentax, Canon

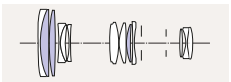
## APO 70-300mm F4-5.6 DG MACRO

**| SLD |**

Case and hood (LH635-01) included

**Tele-macro functionality, digital compatibility—telephoto zoom for full-frame SLR cameras**

This high-performance telephoto zoom lens offers macro functionality with a maximum magnification of 1:2 at the 300mm focal length. For macro convenience without having to change lenses, the minimum focusing distance can be switched from 150mm to 95mm, and zooming is possible between 200mm and 300mm to adjust framing. SLD corrects chromatic aberration to deliver high image quality throughout the entire zoom range.



- Lens construction: 10 groups, 14 elements
- Minimum focusing distance: 150/95cm (59.1/37.4in.)
- Magnification: 1:4.1 (1:2)*
- Filter size: ø 58mm
- AF mounts: Sigma, Sony, Nikon, Pentax, Canon

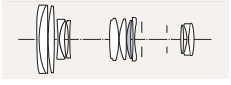
## 70-300mm F4-5.6 DG MACRO

**| SLD |**

Hood (LH635-01) included

**Excellent cost performance—telephoto zoom lens for full-frame SLR cameras**

With a maximum magnification of 1:2 at the maximum focal length of 300mm, this telephoto zoom lens provides high-performance macro capability at a reasonable price. For macro photography, the minimum focusing distance can be switched to allow closer shots, and zooming is possible between 200mm and 300mm to adjust framing. The lens is highly suited to many other applications as well, such as portraiture from a distance and dynamic sports action. SLD glass corrects chromatic aberration, and Sigma's Super Multi-Layer Coating minimizes flare and ghosting to assure outstanding image rendition.



- Lens construction: 10 groups, 14 elements
- Minimum focusing distance: 150/95cm (59.1/37.4in.)
- Magnification: 1:4.1 (1:2)*
- Filter size: ø 58mm
- AF mounts: Sigma, Sony, Nikon, Pentax, Canon

*( ) indicates the maximum magnification and the minimum shooting distance when the built-in macro mode is used.

Illustrations of lens configurations are color-coded as follows: - Aspherical lens, - SLD glass, - ELD glass, - FLD glass.

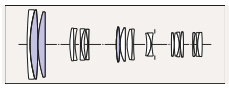
## APO 120-400mm F4.5-5.6 DG OS HSM

**| SLD | OS | HSM | RF | CONV |**

Case, hood (LH830-01), shoulder strap, and tripod socket (TS-31) included

**Fully equipped with OS—telephoto zoom lens**

This telephoto zoom lens is equipped with Sigma's own Optical Stabilizer (OS). Select OS Mode 1 for general photography and Mode 2 for panning. With a minimum focusing distance of 150cm and maximum magnification of 1:4.2, this lens is a powerful tool for close-up photography. SLD glass corrects chromatic aberration, while Sigma's rear focusing system effectively minimizes the fluctuation of aberration due to focusing. The HSM provides fast and quiet autofocusing with full-time manual capability. This lens is compatible with Sigma's APO TELE CONVERTERS (sold separately).



- Lens construction; 15 groups, 21 elements
- Minimum focusing distance: 150cm (59.1in.)
- Magnification: 1:4.2
- Filter size; ø 77mm
- AF mounts: Sigma, Sony, Nikon, Pentax, Canon

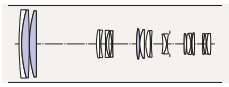
## APO 150-500mm F5-6.3 DG OS HSM

**| SLD | OS | HSM | RF | CONV |**

Case, hood (LH927-01), shoulder strap, and tripod socket (TS-31) included

**Fully equipped with OS and telephoto up to 500mm—ultra-telephoto zoom lens**

This ultra-telephoto zoom lens allows photographers to bring the subject close with short perspective. Sigma's own Optical Stabilizer (OS) enables handheld telephoto shooting with minimal camera shake. SLD (Special Low Dispersion) glass effectively corrects chromatic aberration, while Sigma's rear focusing configuration inhibits fluctuation of aberration due to focusing. The HSM provides fast and quiet autofocusing with full-time manual capability. This lens is compatible with Sigma's APO TELE CONVERTER (sold separately).



- Lens construction: 15 groups, 21 elements
- Minimum focusing distance: 220cm (86.6in.)
- Magnification: 1:5.2
- Filter size: ø 86mm
- AF mounts: Sigma, Sony, Nikon, Pentax, Canon

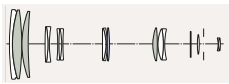

## APO 200-500mm F2.8 / 400-1000mm F5.6 EX DG

**| EX | ELD/SLD | IF |**

Exclusive hard case, exclusive strap, 400-1,000mm F5.6 attachment, battery charger (BC-21), and battery pack (BP-21) included

**F2.8 at 500mm and F5.6 at 1,000mm—large-aperture ultra-telephoto zoom lens.**

This is the first ultra-telephoto lens with an F2.8 aperture at 500mm. An exclusive attachment transforms the lens into a 400-1,000mm F5.6 ultra-telephoto with autofocus capability. This opens up fresh possibilities of photographic expression for sports, action, nature photography, astrophotography, and even portraits. ELD and SLD glass effectively correct aberrations to assure superb image rendition even at full aperture. A revolving filter ring enables the use of a circular polarizing filter to cut glare and intensify color saturation.



- Lens construction: 13 groups, 17 elements
- Minimum focusing distance: 200-500cm (78.7-196.9in.)
- Magnification: 1:7.7
- Filter size: 72mm (rear)
- AF mounts: Sigma, Nikon, Canon

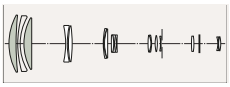
## APO 300-800mm F5.6 EX DG HSM

**| EX | ELD | HSM | IF | CONV |**

Case, hood (LH1571-02), shoulder strap, and circular PL filter included (lens is equipped with fixed tripod socket)

**Telephoto up to 800mm—ultra-telephoto lens for full-frame SLR cameras**

This lens covers the ultra-telephoto range up to 800mm, bringing distant subjects right in front of the camera. Ideal for capturing sports action on the other side of the playing field or the face of a climber scaling a peak. The angle of view can be seamlessly changed from 8.2° to 3.1°, taking considerable footwork out of picture composition. The HSM provides fast and quiet autofocusing with full-time manual capability. The Sigma 2X APO TELE CONVERTER (sold separately) transforms this lens into a 600-1600mm manual-focus zoom.



- Lens construction: 16 groups, 18 elements
- Minimum focusing distance: 600cm (236.2in.)
- Magnification: 1:6.9
- Filter size: ø 46mm (rear)
- AF mounts: Sigma, Nikon, Canon

# TELEPHOTO LENS **DG**

Long focal lengths compress distance and bring faraway subjects up close.
A telephoto lens is a powerful tool for adding atmospheric allure and stunning impact to your work.

## 85mm F1.4 EX DG HSM

**| EX | ASP | SLD | HSM | RF |**

Case, hood (LH850-03), and hood adapter (HA850-02) included

**Offering natural perspective—large-aperture medium telephoto lens for full-frame SLR cameras**

This large-aperture medium telephoto lens ensures nearly natural perspective. Its F1.4 maximum aperture is ideal for available-light photography, helping shoot landscapes, sunsets, and portraits. One SLD glass element and one precision-molded glass aspherical lens correct aberrations to ensure pristine image rendition at all focusing distances. The Super Multi-Layer Coating reduces flare and ghosting to maintain sharpness and contrast throughout the entire range of focusing distances. The HSM provides fast and quiet autofocusing with full-time manual capability, and the rounded 9-blade diaphragm creates an attractive bokeh effect even at wide-open aperture.

- Lens construction: 8 groups, 11 elements
- Minimum focusing distance: 85cm (33.5in.)
- Magnification: 1:8.6
- Filter size: 77mm
- AF mounts: Sigma, Sony, Nikon, Pentax, Canon

## APO 300mm F2.8 EX DG HSM / EX DG

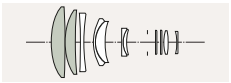
**| EX | ELD | HSM* | IF | CONV |**

Case, hood (LH1196-01), circular PL filter, and tripod socket (TS-21) included

**Maximum aperture of F2.8 and digital compatibility—large-aperture telephoto lens**

A high-performance telephoto lens with an established reputation, this lens can handle sports action, portraits, and many other applications. ELD glass maximizes correction of chromatic aberration to assure sharp, high-contrast images. Sigma's Super Multi-Layer Coating minimizes flare and ghosting, and the HSM models provide fast and quiet autofocusing with full-time manual capability. A rotatable drop-in filter holder in the rear part of the lens accepts the included circular polarizing filter. This lens also accommodates Sigma's APO TELE CONVERTERS (sold separately).

*Pentax and Sony mounts (non-HSM version)



- Lens construction: 9 groups, 11 elements
- Minimum focusing distance: 250cm (98.4in.)
- Magnification: 1:7.5
- Filter size: ø 46mm (rear)
- AF mounts: APO 300mm F2.8 EX DG HSM for Sigma, Nikon, Canon
  APO 300mm F2.8 EX DG for Sony, Pentax

## APO 500mm F4.5 EX DG HSM / EX DG

**| EX | ELD | HSM* | IF | CONV |**

Case, hood (LH1236-01), shoulder strap, and circular PL filter included (lens is equipped with fixed tripod socket)

**Digital compatibility—large-aperture telephoto lens**

This large-aperture telephoto lens can capture sharp images of fast-moving subjects, such as athletes in action and animals in the wild. ELD glass delivers sharp, high-contrast images throughout the entire aperture range, and the Super Multi-Layer Coating minimizes flare and ghosting. A rotatable drop-in filter holder in the rear part of the lens accepts the included circular polarizing filter. HSM models provide fast and quiet autofocusing with full-time manual capability. This lens also accommodates Sigma's APO TELE CONVERTER (sold separately).

*Pentax and Sony mounts (non-HSM version)

- Lens construction: 8 groups, 11 elements
- Minimum focusing distance: 400cm (157.5in.)
- Magnification: 1:7.7
- Filter size: ø 46mm (rear)
- AF mounts: APO 500mm F4.5 EX DG HSM for Sigma, Nikon, Canon
  APO 500mm F4.5 EX DG for Sony, Pentax

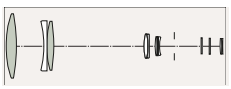
## APO 800mm F5.6 EX DG HSM

**| EX | ELD | HSM | IF | CONV |**

Case, hood (LH1571-01), shoulder strap, and circular PL filter included (lens is equipped with fixed tripod socket)

**800mm telephoto and digital compatibility—ultra-telephoto lens**

Explore the full potential of ultra-telephoto photography with this large-aperture 800mm lens. ELD glass delivers pristine image rendition throughout the entire aperture range. A rotatable drop-in filter holder in the rear accepts the included circular polarizing filter. Sigma's inner focus configuration enhances focusing operation, and the HSM provides fast and quiet autofocusing with full-time manual capability. Attaching the Sigma 2X APO TELE CONVERTER (sold separately) will convert this lens into a 1600mm manual-focus ultra-telephoto.



- Lens construction: 9 groups, 12 elements
- Minimum focusing distance: 700cm (275.6in.)
- Magnification: 1:8.8
- Filter size: ø 46mm (rear)
- AF mounts: Sigma, Nikon, Canon

Illustrations of lens configurations are color-coded as follows: - Aspherical lens, - SLD glass, - ELD glass, - FLD glass.

**MACRO 105mm F2.8 EX DG OS HSM** ISO100 1/160s F8.0 © KIMIO YAJIMA

# MACRO LENS **DG**



For shooting extreme close-ups, a macro lens can take you beyond
the range of the naked eye to reveal a captivating world of breathtaking details.

## MACRO 50mm F2.8 EX DG

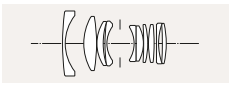
**| EX |**

Hood (LH550-02) included

**Macro lens for full-frame DSLR cameras**

A standard focal-length macro lens ideal for shooting small items such as accessories that require precise positioning. Its floating focus system delivers high image quality for both life-size and distant shots. Aberrations are corrected from corner-to-corner of the image. This lens excels in capturing texture, making it ideal for macro photography. It is also an outstanding choice for general and portrait use. The included screw-type round lens hood can be fitted with a circular polarizing filter. An aperture of F45* provides extraordinary depth of field.

*Nikon and Pentax models have an aperture of F32



- Lens construction: 9 groups, 10 elements
- Minimum focusing distance: 18.8cm (7.4in.)
- Magnification: 1:1
- Filter size: ø 55mm
- AF mounts: Sigma, Sony, Nikon, Pentax, Canon

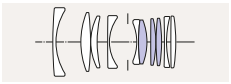
## MACRO 70mm F2.8 EX DG

**| EX | SLD |**

Case and hood (LH620-01) included

**Medium-telephoto macro lens for full-frame DSLR cameras**

This large-aperture medium-telephoto macro lens is suitable for shooting not only flowers, insects, and other tiny objects, but also landscapes and portraits. When mounted on a DSLR having an APS-C size sensor, the angle of view approximates that of a 105mm lens on a 35mm SLR. SLD glass with a high refractive index and the latest optical design assure sharp images, while the Super Multi-Layer Coating minimizes flare and ghosting. A floating focus configuration avoids fluctuation of aberration due to focusing, thereby maintaining high resolution and pristine image quality at all focusing distances.



- Lens construction: 9 groups, 10 elements
- Minimum focusing distance: 25.7cm (10.1in.)
- Magnification: 1:1
- Filter size: ø 62mm
- AF mounts: Sigma, Sony, Nikon, Pentax, Canon

## MACRO 105mm F2.8 EX DG OS HSM

**| EX | SLD | OS | HSM | IF | CONV |**

Case, hood (LH680-03), and hood adapter (HA680-01) included

**Fully equipped with OS—high-performance large-aperture medium telephoto macro lens for full-frame DSLR cameras**

Equipped with Sigma's Optical Stabilizer (OS), this high-performance large-aperture medium-telephoto macro lens enables handheld close-up photography. SLD glass corrects aberrations, and Sigma's floating inner focus configuration renders images from life-size to infinity with pristine quality. The lens also accepts Sigma's APO TELE CONVERTERS (sold separately) to enable magnification beyond life-size. The HSM provides fast and quiet autofocusing with full-time manual capability, and the rounded 9-blade diaphragm creates an attractive bokeh effect even at wide-open aperture.

- Lens construction: 11 groups, 16 elements
- Minimum focusing distance: 31.2cm (12.3in.)
- Magnification: 1:1
- Filter size: ø 62mm
- AF mounts: Sigma, Sony, Nikon, Canon

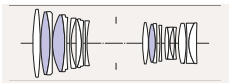
## APO MACRO 150mm F2.8 EX DG OS HSM

**| EX | SLD | OS | HSM | IF | CONV |**

Case, hood (LH780-05), hood adapter (HA780-01), and tripod socket (TS-21) included

**Fully equipped with OS—large-aperture telephoto macro lens for full-frame DSLR cameras**

This is a large-aperture telephoto macro lens with the latest optical design technology and Sigma's Optical Stabilizer (OS). SLD glass corrects aberration, while the Super Multi-Layer Coating minimizes flare and ghosting. Sigma's floating inner focus configuration renders images from life-size to infinity with astounding image quality. The HSM provides fast and quiet autofocusing with full-time manual capability. An APO TELE CONVERTER (sold separately) designed exclusively for the lens enables magnification beyond life size.



- Lens construction: 13 groups, 19 elements
- Minimum focusing distance: 38cm (15.0in.)
- Magnification: 1:1
- Filter size: ø 72mm
- AF mounts: Sigma, Sony, Nikon, Canon

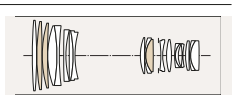
## APO MACRO 180mm F2.8 EX DG OS HSM

**| EX | FLD | OS | HSM | IF | CONV |**

Case, hood (LH927-01), hood adapter (HA927-01), and tripod socket (TS-21) included

**Flagship lens offering F2.8 brightness—large-aperture telephoto macro lens**

Equipped with Sigma's Optical Stabilizer (OS), this large-aperture telephoto macro lens features the latest optical design technology and outstanding image quality. SLD glass corrects aberration, while the Super Multi-Layer Coating minimizes flare and ghosting. Sigma's floating inner focus configuration renders images from life-size to infinity with astounding image quality. The HSM provides fast and quiet autofocusing with full-time manual capability. An APO TELE CONVERTER (sold separately) designed exclusively for the lens enables magnification beyond life size.



- Lens construction: 14 groups, 19 elements
- Minimum focusing distance: 47cm (18.5in.)
- Magnification: 1:1
- Filter size: ø 86mm
- AF mounts: Sigma, Sony, Nikon, Canon

Illustrations of lens configurations are color-coded as follows: - Aspherical lens, - SLD glass, - ELD glass, - FLD glass.

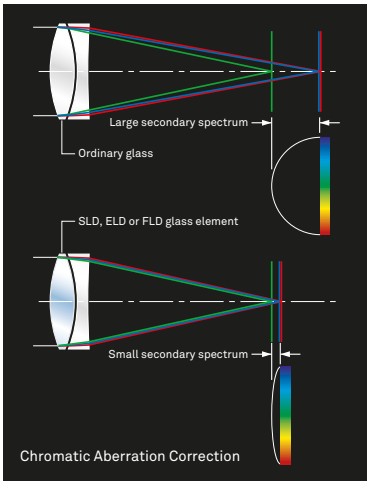
# SIGMA LENS TECHNOLOGY

Our lenses are packed with advanced and unique technologies, which we have developed over the decades as the lens expert.

**Original technology minimizes secondary spectrum**

## Exclusive low-dispersion glass

The degree to which light is refracted (bent) by glass depends on the light's wavelength (color). This fact causes different colors of light to focus at slightly different points. The result is chromatic aberration, the color fringing that is particularly noticeable in telephoto lenses. Most chromatic aberration can be removed by combining a high-refractivity convex lens element with a low-refractivity concave element. But residual chromatic aberration known as "secondary spectrum" can only be corrected with selected low-dispersion glass materials.




In addition to ELD (Extraordinary Low Dispersion) glass and SLD (Special Low Dispersion) glass, Sigma uses FLD ("F" Low Dispersion) glass, which has the highly desirable anomalous dispersion characteristics of fluorite. Careful arrangement of these exclusive low-dispersion glass elements gives Sigma lenses superlative image rendition untarnished by residual chromatic aberration.

**Effective correction of spherical aberration and distortion**

## Aspherical lens

Sigma's aspherical lens technology contributes to outstanding optical performance and compact dimensions. These aspherical lens elements compensate for the spherical aberration and distortion which cannot be completely eliminated using conventional spherical lens elements alone. They are also key to reducing the size and weight of high-power zooms and other large lenses while improving image quality. Sigma has two kinds of aspherical lens technologies. Hybrid aspherical lens elements are made by forming a polymer in an aspherical shape on a glass lens surface. Precision-molded glass aspherical lens elements are made by direct forming of the glass lens material.

**Proprietary multi-layer coating technology that virtually eliminates ghosting and flare**

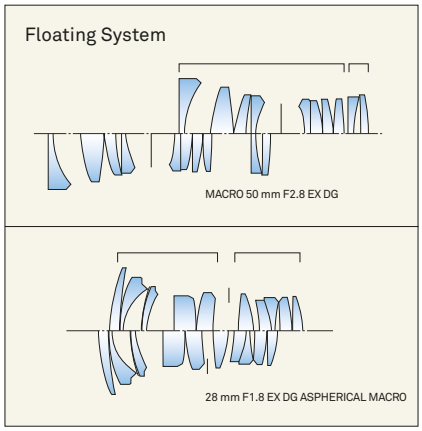
## Super Multi-Layer Coating

Sigma's own Super Multi-Layer Coating suppresses flare and ghosting by preventing reflections within the lens. All DG and DC lenses in the current Sigma range feature this original technology. In digital cameras, flare and ghosting may also be caused by reflections between the image sensor and lens surfaces. Here too, Sigma's Super Multi-Layer Coating is highly effective, assuring images of outstanding contrast.

**Advanced focusing mechanism that reduces lens movement and aberration variation**

## Floating system

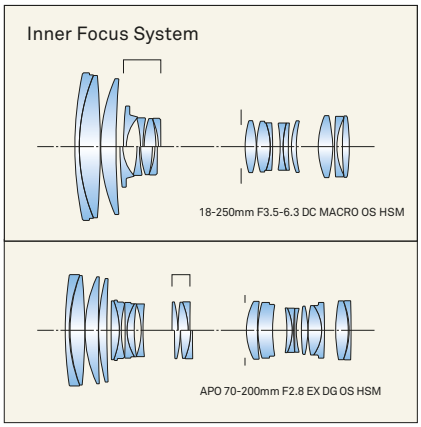
This system adjusts the distance between lens groups during focusing, thereby reducing the amount of lens movement required. The result is less variation in aberration at different shooting distances. The benefits are particularly great in macro lenses, since they cover a wide range of shooting distances, as well as in wide-angle SLR camera lenses that employ asymmetric configurations of lens elements.

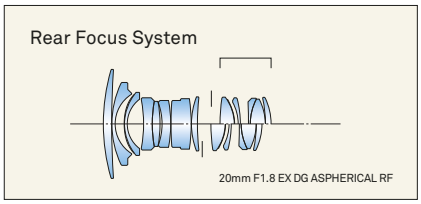



**Focus systems for optimized performance**

## Inner and rear focus

In a conventional lens, focusing requires an extension of the entire lens or the front lens group. However, to better accommodate autofocusing mechanisms and closeup photography, a need has arisen for lenses that do not change their length during focusing or suffer from focus-dependent variation in aberration. Therefore, Sigma has developed focusing systems that only move elements within the lens barrel. These incorporate smaller and lighter moving lens elements, which help improve autofocus speed. With their unchanging barrel length and small variation in center of gravity, these lenses also offer enhanced balance and stability. Furthermore, since the front of the lens does not rotate, it is easy to use polarizing filters.




**Original Sigma technology that counteracts camera shake**

## Optical Stabilizer (OS)

Sigma's original Optical Stabilizer (OS) technology uses two sensors inside the lens to detect vertical and horizontal motion. By adjusting particular lens elements, the OS compensates for the detected movement, thereby minimizing the blur caused by camera shake. In addition, since stabilization takes place within the lens, what you see in the viewfinder is the resulting stabilized image. As a result, you can confidently judge focus and composition. Two OS modes are available, depending on the lens. Mode 1 detects and corrects vertical and horizontal motion, making it ideal for shooting with the camera in a fixed position. Mode 2 detects and corrects only vertical motion, making it ideal for panning, as when shooting motor sports, for example.


# PRINCIPLES OF THE LENS

What you should know to choose the right lens for your needs.

**Designed to optimize bokeh near maximum aperture**

## Rounded diaphragm

The polygonal shape of a conventional iris diaphragm causes out-of-focus light points to appear polygonal. A rounded diaphragm is designed to produce rounded out-of-focus light points when opened to near maximum aperture. This creates attractive bokeh effects in many situations, such as when photographing a subject against an out-of-focus surface of water from which light is being reflected.

**AF drive motor for rapid focusing and quiet operation**

## Hypersonic motor (HSM)

The hypersonic motor (HSM) is an original Sigma development that uses ultrasonic waves to drive the autofocus mechanism. Its extremely quiet operation helps avoid disturbing photographic subjects. High torque and speed assure rapid autofocus response. Sigma uses two types of HSM: ring HSM and micro HSM. The Ring HSM configuration permits manual fine tuning of focus (manual override) by turning the focusing ring after autofocus is complete.

## Angle of view

Angle of view is determined by the focal length of the lens and the size of the image (sensor or film format) frame. With a given image size, changing the focal length will change the area of the scene that appears in the photographic image. Expressed in degrees, this area of the scene is the angle of view, which in this catalog is computed in reference to the diagonal of image formats measuring 36mm x 24mm, 20.7mm x 13.8mm, and 23.55mm x 15.7mm. The longer the focal length, the smaller the angle of view and the greater the image magnification.

## F-number

The aperture controls how much light can be gathered by the lens. The F-number (F2.8, F4, F5.6, etc.) is the ratio of the focal length to the entrance pupil diameter. The lower the F-number, the brighter the lens; the higher the F-number, the darker the lens. The benefits of a low F-number include the ability to use higher shutter speeds, excellent bokeh effects, and a bright viewfinder image.

## Perspective

Changing the focal length of the lens changes the apparent distance in an image between the subject and its background. This optical effect is called perspective. For example, a wide-angle lens causes the background to seem far away and vast, emphasizing the distance between it and the subject. In contrast, a telephoto lens with a long focal length will cause the background to appear close to the subject, de-emphasizing perspective. Further, a wide-angle lens can bring the surroundings of the subject into the shot, while a telephoto lens can effectively isolate the subject. By leveraging the power of perspective in this way, one may greatly increase the range of photographic expression.

## Depth of field

When you focus on a subject, some objects in front of and behind the subject will also be in focus. “Depth of field” refers to the depth of this foreground-background distance. A smaller lens aperture (higher F-number) increases depth of field, bringing more foreground and background into focus. A larger aperture (lower F-number) isolates your subject with a blurred bokeh foreground and background. Focal length is also a factor. Telephoto lenses have less depth of field, whereas wide-angle lenses have more.

## ANGLE OF VIEW AND FOCAL LENGTH

FISHEYE 180° **8mm**

FISHEYE 180° **15mm**

122° **12mm**

103.7° **17mm**

94.5° **20mm**

84.1° **24mm**

75.4° **28mm**

46.8° **50mm**

34.3° **70mm**

23.3° **105mm**

18.2° **135mm**

12.3° **200mm**

8.2° **300mm**

5° **500mm**

3.1° **800mm**

## **DN LENS** SINGLE FOCAL LENGTH LENS

**19mm F2.8 DN**
Case and hood (LH520-03) included

**30mm F2.8 DN**
Case and hood (LH520-03) included

**60mm F2.8 DN**
Case and hood (LH520-03) included

## **DC LENS** SINGLE FOCAL LENGTH LENS

**4.5mm F2.8 EX DC CIRCULAR FISHEYE HSM**
Case included

**10mm F2.8 EX DC FISHEYE HSM**
Case included

**30mm F1.4 DC HSM**
Case and hood (LH686-01) included

## **DC LENS** ZOOM LENS

**8-16mm F4.5-5.6 DC HSM**
Case included

**10-20mm F3.5 EX DC HSM**
Case and hood (LH873-01) included

**10-20mm F4-5.6 EX DC HSM**
**10-20mm F4-5.6 EX DC**
Case and hood (LH825-04) included

**17-50mm F2.8 EX DC OS HSM**
**17-50mm F2.8 EX DC HSM**
Case and hood (LH825-03) included

**17-70mm F2.8-4 DC MACRO OS HSM/**
**17-70mm F2.8-4 DC MACRO HSM**
Hood (LH780-03) included

**18-35mm F1.8 DC HSM**
Case and hood (LH780-06) included

**18-200mm F3.5-6.3 II DC OS HSM**
**18-200mm F3.5-6.3 II DC HSM**
Hood (LH680-01) included

**18-250mm F3.5-6.3 DC MACRO OS HSM**
**18-250mm F3.5-6.3 DC MACRO HSM**
Hood (LH680-04) included

**APO 50-150mm F2.8 EX DC OS HSM**
Case, hood (LH850-02), and tripod socket (TS-21) included

## **DG LENS** SINGLE FOCAL LENGTH LENS

**8mm F3.5 EX DG CIRCULAR FISHEYE**
Case included

**15mm F2.8 EX DG DIAGONAL FISHEYE**
Case included

**20mm F1.8 EX DG ASPHERICAL RF**
Case and hood (LH875-02) included

**24mm F1.8 EX DG ASPHERICAL MACRO**
Case and hood (LH825-03) included

**28mm F1.8 EX DG ASPHERICAL MACRO**
Case and hood (LH825-03) included

**35mm F1.4 DG HSM**
Case and hood (LH730-03) included

**50mm F1.4 EX DG HSM**
Case and hood (LH829-01) included

**85mm F1.4 EX DG HSM**
Case, hood (LH850-03), and hood adapter (HA850-02) included

**APO 300mm F2.8 EX DG HSM /**
**APO 300mm F2.8 EX DG**
Case, hood (LH1196-01), circular PL filter, and tripod socket (TS-21) included

**APO 500mm F4.5 EX DG HSM /**
**APO 500mm F4.5 EX DG**
Case, hood (LH1236-01), shoulder strap, and circular PL filter included (lens is equipped with fixed tripod socket)

**APO 800mm F5.6 EX DG HSM**
Case, hood (LH1571-01), shoulder strap, and circular PL filter included (lens is equipped with fixed tripod socket)

## **DG LENS** ZOOM LENS

**12-24mm F4.5-5.6 II DG HSM**
Case included

**24-70mm F2.8 IF EX DG HSM**
Case and hood (LH876-01) included

**24-105mm F4 DG OS HSM**
**24-105mm F4 DG HSM**
Case and hood (LH876-02) included

**APO 70-300mm F4-5.6 DG MACRO**
Case and hood (LH635-01) included

**70-300mm F4-5.6 DG MACRO**
Hood (LH635-01) included

**APO 120-400mm F4.5-5.6 DG OS HSM**
Case, hood (LH830-01), shoulder strap,
and tripod socket (TS-31) included

**APO 150-500mm F5-6.3 DG OS HSM**
Case, hood (LH927-01), shoulder strap,
and tripod socket (TS-31) included

**APO 300-800mm F5.6 EX DG HSM**
Case, hood (LH1571-02), shoulder strap, and circular PL filter included
(lens is equipped with fixed tripod socket)

**APO 50-500mm F4.5-6.3 DG OS HSM**
Case, hood (LH1030-01), shoulder strap, stepdown ring, hood adapter (HA1030-01), and tripod socket (TS-31) included

**APO 70-200mm F2.8 EX DG OS HSM**
Case, hood (LH850-02), hood adapter (HA850-01),
and tripod socket (TS-21) included

**120-300mm F2.8 DG OS HSM**
Case, hood (LH1220-01), shoulder strap,
and tripod socket (TS-51) included


**APO 200-500mm F2.8 / 400-1000mm F5.6 EX DG**
Exclusive hard case, exclusive strap, 400-1,000mm F5.6 attachment, battery charger (BC-21), and battery pack (BP-21) included

## **DG LENS** MACRO LENS

**MACRO 50mm F2.8 EX DG**
Hood (LH550-02) included

**MACRO 70mm F2.8 EX DG**
Case and hood (LH620-01) included

**MACRO 105mm F2.8 EX DG OS HSM**
Case, hood (LH680-03), and hood adapter (HA680-01) included

**APO MACRO 150mm F2.8 EX DG OS HSM**
Case, hood (LH780-05), hood adapter (HA780-01),
and tripod socket (TS-21) included

**APO MACRO 180mm F2.8 EX DG OS HSM**
Case, hood (LH927-01), hood adapter (HA927-01),
and tripod socket (TS-21) included

C Contemporary A Art S Sports

## LENS ACCESSORIES TELE CONVERTER

Mounted between the lens and camera body, a Sigma TELE CONVERTER can increase the focal length by a factor of 1.4x or 2x. Ideal for use with APO lenses, Sigma TELE CONVERTERS use advanced coating technology to suppress flare and ghosting that are particularly noticeable in digital SLR camera images. Therefore, they can be used with APO lenses while retaining the full performance of the master lenses. This offers a convenient solution when you need greater focal length in telephoto photography.


**APO TELE CONVERTER 1.4x EX DG**
Case included
*1: AF-capable from 0.45m (17.7in.) to infinity.
*2: AF-capable from 0.52m (20.5in.) to infinity.
*3: AF-capable from 0.67m (26.4in.) to infinity.

| 1.4x Dedicated Lenses | SIGMA 824402 | Sony 824624 | Nikon 824556 | Canon 824273 |
|---|---|---|---|---|
| APO 50-150mm F2.8 EX DC OS HSM | AF | MF | AF | AF |
| 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 |
| 120-300mm F2.8 DG OS HSM \| S013 | 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 |
| MACRO 105mm F2.8 EX DG OS HSM | AF *1 | AF *1 | AF *1 | AF *1 |
| APO MACRO 150mm F2.8 EX DG OS HSM | AF *2 | AF *2 | AF *2 | AF *2 |
| APO MACRO 180mm F2.8 EX DG OS HSM | AF *3 | AF *3 | AF *3 | AF *3 |
| APO 300mm F2.8 EX DG / HSM | AF | MF | AF | AF |
| APO 500mm F4.5 EX DG / HSM | MF | MF | MF | MF |
| APO 800mm F5.6 EX DG HSM | MF | — | MF | MF |


**APO TELE CONVERTER 2x EX DG**
Case included

| 2.0x Dedicated Lenses | SIGMA 876401 | Sony 876623 | Nikon 876555 | Canon 876272 |
|---|---|---|---|---|
| APO 50-150mm F2.8 EX DC OS HSM | AF | MF | AF | AF |
| 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 |
| 120-300mm F2.8 DG OS HSM \| S013 | 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 |
| MACRO 105mm F2.8 EX DG OS HSM | MF | MF | MF | MF |
| APO MACRO 150mm F2.8 EX DG OS HSM | MF | MF | MF | MF |
| APO MACRO 180mm F2.8 EX DG OS HSM | MF | MF | MF | MF |
| APO 300mm F2.8 EX DG / HSM | AF | MF | AF | AF |
| APO 500mm F4.5 EX DG / HSM | MF | MF | MF | MF |
| APO 800mm F5.6 EX DG HSM | MF | — | MF | MF |

## LENS ACCESSORIES SIGMA DG FILTER

Sigma DG filters use Sigma's Super Multi-Layer Coating to minimize flare and ghosting. Black-rimmed glass further eliminates internal reflections and other extraneous light. These high-performance UV and polarizing filters are ideal for both digital and film photography.


**SIGMA DG UV**


**SIGMA DG WIDE CIRCULAR PL**

| | | | | | |
|---|---|---|---|---|---|
| DG UV | 46mm | 925963 | DG WIDE CIRCULAR PL | 46mm | 925970 |
| | 49mm | 928919 | | 49mm | 928926 |
| | 52mm | 923693 | | 52mm | 923808 |
| | 55mm | 923709 | | 55mm | 923815 |
| | 58mm | 923716 | | 58mm | 923822 |
| | 62mm | 923723 | | 62mm | 923839 |
| | 67mm | 923730 | | 67mm | 923846 |
| | 72mm | 923747 | | 72mm | 923853 |
| | 77mm | 923754 | | 77mm | 923860 |
| | 82mm | 923761 | | 82mm | 923877 |
| | 86mm | 923778 | DG CIRCULAR PL | 86mm | 923884 |
| | 95mm | 923785 | | 95mm | 923891 |
| | 105mm | 923792 | | 105mm | 923907 |

## LENS ACCESSORIES TRIPOD SOCKET

A tripod socket is used to mount telephoto lenses on a tripod. The socket collar permits rapid release for quick lens changing. The TS-41 base is longer than that of the TS-21 to provide greater stability. Please refer to the major distinguishing characteristics on 30-31page.

**TRIPOD SOCKET TS-21**
UPC code: 566029

**TRIPOD SOCKET TS-31**
UPC code: 918415

**TRIPOD SOCKET TS-41**
UPC code: 529024

**TRIPOD SOCKET TS-51**
UPC code: 929664

## LENS ACCESSORIES LENS HOOD

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
|  LH520-03 UPC code: 929831 |  LH550-02 UPC code: 922917 |  LH620-01 UPC code: 924218 |  LH635-01 UPC code: 501006 |  LH680-01 UPC code: 917302 |  LH680-03 UPC code: 928025 |  LH680-04 UPC code: 929008 |  LH686-01 UPC code: 929824 |  LH730-03 UPC code: 929466 |  LH780-03 UPC code: 929602 |  LH780-05 UPC code: 927936 |
|  LH780-06 UPC code: 930127 |  LH825-03 UPC code: 916800 |  LH825-04 UPC code: 510244 |  LH829-01 UPC code: 926557 |  LH830-01 UPC code: 926045 |  LH850-02 UPC code: 927301 |  LH850-03 UPC code: 927455 |  LH873-01 UPC code: 926939 |  LH875-02 UPC code: 916794 |  LH876-01 UPC code: 926731 |  LH876-02 UPC code: 930189 |
|  LH927-01 UPC code: 926052 |  LH1030-01 UPC code: 927059 |  LH1196-01 UPC code: 194000 |  LH1220-01 UPC code: 929657 |  LH1236-01 UPC code: 183004 |  LH1571-01 UPC code: 151003 |  LH1571-02 UPC code: 921637 | | | | |

## LENS ACCESSORIES HOOD ADAPTER

| | | | | | |
|---|---|---|---|---|---|
|  HA680-01 UPC code: 928032 |  HA780-01 UPC code: 928049 |  HA850-01 UPC code: 927332 |  HA850-02 UPC code: 927462 |  HA927-01 UPC code: 929336 |  HA1030-01 UPC code: 927318 |

# REFERENCE

### Abbreviations used in the product names in this catalog

Please refer to the examples below to interpret the Sigma product names listed in this catalog. For further details on abbreviations, please see the Sigma Lens Technology section on page 24-25.

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

Case and hood (LH780-03) included

**High-performance and compact—large-aperture APS-C format standard zoom lens**

Covering the standard zoom range, the lens has a focal range equivalent to 25.5-105mm on a 35mm lens. Thanks to Sigma's latest technologies, it's exceptionally lightweight and 30% more compact by volume than previous lenses of its type. Its low F-number equips photographers to shoot subjects at extremely close range, making this the perfect lens for travel, family photos, artistic compositions, and many other uses. A complement to uncompromising optical performance,

## 17-70mm

Indicates range of focal length. The larger the number, the greater the magnification of distant objects. The smaller the number, the wider the angle of view.

## OS

Indicates lenses incorporating an Optical Stabilizer (OS) to compensate for camera shake.

## F2.8-4

Indicates maximum aperture. The smaller the number, the "faster" the lens, meaning more light can enter to allow shooting under dim illumination. If only a single figure is given, the lens is a prime (fixed focal length) lens or a zoom lens that maintains the same F-number regardless of zoom position. If the maximum aperture of a zoom lens changes depending on zoom position, it is expressed thus: F2.8-4.

## EX

Indicates Sigma's professional-grade prime and zoom lenses. Generally, these lenses retain the same maximum aperture regardless of zoom position.

## HSM

Indicates lenses equipped with a hypersonic motor.

## DC

Indicates high-performance lenses designed especially for DSLRs with APS-C size image sensors. Vignetting will result if used on larger sensors. Lenses suitable for DSLRs having full-frame sensors are indicated by the DG mark, and lenses exclusively for mirrorless interchangeable lens cameras are indicated by the DN mark.

# FUNCTION

### Abbreviations used in this catalog to indicate function

## EX
**EX LENS**

Sigma's professional-grade prime lenses and wide-aperture zoom lenses that maintain their maximum F-number regardless of zoom position.

## ASP
**ASPHERICAL LENS**

Aspherical lenses offer greater design latitude, raise performance, permit use of fewer lens elements, and allow a more compact size.

## ELD/FLD/SLD
**LOW DISPERSION LENS**

These lenses include one or more elements made of ELD (Extraordinary Low Dispersion), FLD ("F" Low Dispersion), or SLD (Special Low Dispersion) glass, which help minimize chromatic aberration, which can harm image quality.

## OS
**OPTICAL STABILIZER**

An Optical Stabilizer mechanism built into the lens helps assure a sharp image while giving you freedom of movement and more latitude in camera settings.

## HSM
**HYPER-SONIC MOTOR**

Using a motor driven by ultrasonic waves, these lenses offer speedy autofocusing and quiet operation.

## IF
**INNER FOCUS**

To increase stability, this lens configuration uses movable internal lens elements that adjust focus without changing the length of the lens barrel.

## RF
**REAR FOCUS**

Rear focus is one type of Sigma inner focus system, in which focusing is performed by moving particular elements within the lens interior.

## CONV
**TELECONVERTER-COMPATIBLE LENS**

This indicates a lens that will accept available Sigma APO TELE CONVERTER attachments, which increase focal length and support AE (automatic exposure) operation.

Note: OS and HSM are not included on mounts for certain camera systems. Please refer to the major distinguishing characteristics on 30-31page.

**SIGMA DC LENSES** The major distinguishing characteristics of high-performance lenses for APS-C format DSLR cameras

| DC LENSES | Edition | AF mount / UPC code (please add 0085126 prefix in front) | | | | | Lens construction | |
|---|---|---|---|---|---|---|---|---|
| | | SIGMA | Sony | Nikon | Pentax | Canon | Groups | Elements |
| 8-16mm F4.5-5.6 DC HSM | | 203566 Ⓗ | 203627 Ⓗ | 203559 Ⓗ | 203610 Ⓗ | 203542 Ⓗ | 11 | 15 |
| 10-20mm F3.5 EX DC HSM | | 202569 Ⓗ | 202620 Ⓗ | 202552 Ⓗ | 202613 Ⓗ | 202545 Ⓗ | 10 | 13 |
| 10-20mm F4-5.6 EX DC / HSM | | 201401 Ⓗ | 201340 | 201555 Ⓗ | 201609 | 201272 Ⓗ | 10 | 14 |
| 17-50mm F2.8 EX DC OS HSM * | | 583569 Ⓗ | 928636 Ⓗ | 583552 Ⓗ | 928629 Ⓗ | 583545 Ⓗ | 13 | 17 |
| 17-70mm F2.8-4 DC MACRO OS HSM * | C 013 | 884567 Ⓗ | 884628 Ⓗ | 884550 Ⓗ | 884611 Ⓗ | 884543 Ⓗ | 14 | 16 |
| 18-35mm F1.8 DC HSM | A 013 | 210564 Ⓗ | ★210625 Ⓗ | 210557 Ⓗ | ★210618 Ⓗ | 210540 Ⓗ | 12 | 17 |
| 18-200mm F3.5-6.3 II DC OS HSM *1 | | 882563 Ⓗ | 882624 Ⓗ | 882556 Ⓗ | - | 882549 Ⓗ | 14 | 18 |
| 18-250mm F3.5-6.3 DC MACRO OS HSM * | | 883560 Ⓗ | 883621 Ⓗ | 883553 Ⓗ | 883614 Ⓗ | 883546 Ⓗ | 13 | 16 |
| APO 50-150mm F2.8 EX DC OS HSM | | 692568 Ⓗ | - | 692551 Ⓗ | - | 692544 Ⓗ | 15 | 21 |
| 4.5mm F2.8 EX DC CIRCULAR FISHEYE HSM | | 486563 Ⓗ | 486624 Ⓗ | 486556 Ⓗ | 486617 Ⓗ | 486549 Ⓗ | 9 | 13 |
| 10mm F2.8 EX DC FISHEYE HSM | | 477561 Ⓗ | 477622 Ⓗ | 477554 Ⓗ | 477615 Ⓗ | 477547 Ⓗ | 7 | 12 |
| 30mm F1.4 DC HSM | A 013 | 301569 Ⓗ | - | 301552 Ⓗ | - | 301545 Ⓗ | 8 | 9 |

**SIGMA DN LENSES** The major distinguishing characteristics of high-performance lenses for mirrorless interchangeable lens cameras

| DN LENSES | Edition | Color | AF mount / UPC code (please add 0085126 prefix in front) | | Lens construction | | Angle of view | | Number of blades in diaphragm | Minimum aperture (wide) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SONY E Mount | Micro Four Thirds Mount | Groups | Elements | Sony-E format | Micro Four Thirds format | | |
| 19mm F2.8 DN | A013 | Black | 929749 | 929732 | 6 | 8 | 73.5° | 59.3° | 7 | 22 |
| | | Silver | 929763 | 929756 | | | | | | |
| 30mm F2.8 DN | A013 | Black | 929701 | 929695 | 5 | 7 | 50.7° | 39.6° | 7 | 22 |
| | | Silver | 929725 | 929718 | | | | | | |
| 60mm F2.8 DN | A013 | Black | 350659 | 350635 | 6 | 8 | 26.6° | 20.4° | 7 | 22 |
| | | Silver | 929787 | 929770 | | | | | | |

**SIGMA DG LENSES** The major distinguishing characteristics of high-performance SLR lenses with full-frame sensor coverage

| DG LENSES | Edition | AF mount / UPC code (please add 0085126 prefix in front) | | | | | Lens construction | | Angle of view |
|---|---|---|---|---|---|---|---|---|---|
| | | SIGMA | Sony | Nikon | Pentax | Canon | Groups | Elements | 35mm format |
| 12-24mm F4.5-5.6 II DG HSM *1 | | 204563 Ⓗ | 204624 Ⓗ | 204556 Ⓗ | - | 204549 Ⓗ | 13 | 17 | 122°- 84.1° |
| 24-70mm F2.8 IF EX DG HSM *2 | | 571566 Ⓗ | 571627 Ⓗ | 571559 Ⓗ | 571610 Ⓗ | 571542 Ⓗ | 12 | 14 | 84.1°- 34.3° |
| 24-105mm F4 DG OS HSM *1 * | A013 | ★635565 Ⓗ | ★635626 Ⓗ | ★635558 Ⓗ | - | ★635541 Ⓗ | 14 | 19 | 84.1°- 23.3° |
| APO 50-500mm F4.5-6.3 DG OS HSM *2 | | 738563 Ⓗ | 738624 Ⓗ | 738556 Ⓗ | 738617 Ⓗ | 738549 Ⓗ | 16 | 22 | 46.8°- 5.0° |
| APO 70-200mm F2.8 EX DG OS HSM *2 | | 589561 Ⓗ | 589622 Ⓗ | 589554 Ⓗ | 589615 Ⓗ | 589547 Ⓗ | 17 | 22 | 34.3°- 12.3° |
| APO 70-300mm F4-5.6 DG MACRO *1 | | 508401 | 508340 | 508555 Ⓜ | 508456 | 508272 | 10 | 14 | 34.3°- 8.2° |
| 70-300mm F4-5.6 DG MACRO *1 | | 509408 | 509347 | 509552 Ⓜ | 509453 | 509279 | 10 | 14 | 34.3°- 8.2° |
| 120-300mm F2.8 DG OS HSM | S013 | 137564 Ⓗ | - | 137557 Ⓗ | - | 137540 Ⓗ | 18 | 23 | 20.4°- 8.2° |
| APO 120-400mm F4.5-5.6 DG OS HSM *2 | | 728564 Ⓗ | 927219 Ⓗ | 728557 Ⓗ | 927202 Ⓗ | 728540 Ⓗ | 15 | 21 | 20.4°- 6.2° |
| APO 150-500mm F5-6.3 DG OS HSM *2 | | 737566 Ⓗ | 927233 Ⓗ | 737559 Ⓗ | 927226 Ⓗ | 737542 Ⓗ | 15 | 21 | 16.4°- 5° |
| APO 200-500mm F2.8/400-1000mm F5.6 EX DG *1 | | 597566 | - | 597559 | - | 597542 | 13 | 17 | 12.3°- 5° |
| APO 300-800mm F5.6 EX DG HSM | | 595562 Ⓗ | - | 595555 Ⓗ | - | 595548 Ⓗ | 16 | 18 | 8.2°- 3.1° |
| 8mm F3.5 EX DG CIRCULAR FISHEYE *1 | | 485405 | - | 485597 | - | 485276 | 6 | 11 | 180° |
| 15mm F2.8 EX DG DIAGONAL FISHEYE | | 476403 | 476342 | 476441 | 476458 | 476274 | 6 | 7 | 180° |
| 20mm F1.8 EX DG ASPHERICAL RF | | 411404 | 411343 Ⓓ | 411442 | 411459 | 411275 | 11 | 13 | 94.5° |
| 24mm F1.8 EX DG ASPHERICAL MACRO | | 432409 | 432348 Ⓓ | 432447 | 432454 | 432270 | 9 | 10 | 84.1° |
| 28mm F1.8 EX DG ASPHERICAL MACRO | | 440404 | 440343 Ⓓ | 440442 | 440459 | 440275 | 9 | 10 | 75.4° |
| 50mm F1.4 EX DG HSM *2 | | 310561 Ⓗ | 310622 Ⓗ | 310554 Ⓗ | 310615 Ⓗ | 310547 Ⓗ | 6 | 8 | 46.8° |
| 85mm F1.4 EX DG HSM *2 | | 320560 Ⓗ | 320621 Ⓗ | 320553 Ⓗ | 320614 Ⓗ | 320546 Ⓗ | 8 | 11 | 28.6° |
| APO 300mm F2.8 EX DG/HSM | | 195564 Ⓗ | 195342 | 195557 Ⓗ | 195458 | 195540 Ⓗ | 9 | 11 | 8.2° |
| APO 500mm F4.5 EX DG/HSM | | 184568 Ⓗ | 184346 | 184551 Ⓗ | 184452 | 184544 Ⓗ | 8 | 11 | 5° |
| APO 800mm F5.6 EX DG HSM | | 152567 Ⓗ | - | 152550 Ⓗ | - | 152543 Ⓗ | 9 | 12 | 3.1° |
| 35mm F1.4 DG HSM *2 | A012 | 340568 Ⓗ | 340629 Ⓗ | 340551 Ⓗ | 340612 Ⓗ | 340544 Ⓗ | 11 | 13 | 63.4° |
| MACRO 50mm F2.8 EX DG | | 346409 | 346348 | 346447 | 346454 | 346270 | 9 | 10 | 46.8° |
| MACRO 70mm F2.8 EX DG *2 | | 270568 | 270346 Ⓓ | 270599 | 270605 | 270544 | 9 | 10 | 34.3° |
| MACRO 105mm F2.8 EX DG OS HSM *1 | | 258566 Ⓗ | 258627 Ⓗ | 258559 Ⓗ | - | 258542 Ⓗ | 11 | 16 | 23.3° |
| APO MACRO 150mm F2.8 EX DG OS HSM *1 | | 106560 Ⓗ | 106621 Ⓗ | 106553 Ⓗ | - | 106546 Ⓗ | 13 | 19 | 16.4° |
| APO MACRO 180mm F2.8 EX DG OS HSM | | 107567 Ⓗ | 107628 Ⓗ | 107550 Ⓗ | - | 107543 Ⓗ | 14 | 19 | 13.7° |

**Notes for product names/AF mounts and UPC codes**

•All Sigma lens mounts are for Sigma lenses only and are fixed. They are compatible with all functions relating to general photography. For further information on compatibility with your camera, please contact your nearest authorized Sigma Service Station. SIGMA World Network: http://www.sigma-photo.co.jp/english/network/ •AF lenses have different appearances depending on the corresponding mount. •In the UPC code, the Ⓗ indicates a HSM lens, and the Ⓜ indicates a lens with a built-in AF motor. Ⓓ:It is compatible with D type cameras. Please confirm the AF drive system of your camera body. For Sony, Nikon, and Pentax mounts, autofocus may not work if the camera does not support the type of AF motor in the lens. All Sigma and Canon mounts incorporate a built-in AF motor (Ⓗ indicates HSM lens). *1: Nikon mount does not have an aperture ring. *2: Nikon and Pentax mounts do not have an aperture ring.

★As of October 2013, a definite release date has yet to be determined.

| Angle of view (SD format) | | Number of blades in diaphragm | Minimum aperture (wide) | Minimum focusing distance (cm/in.) | Magnification | Filter size (ø mm) | Diameter x length (ø mm x mm/ø in. x in.) | Weight (g/oz.) | Hood (included) |
|---|---|---|---|---|---|---|---|---|---|
| SD1 | SD9, SD10, SD14, SD15 | | | | | | | | |
| 121.2°- 83.2° | 114.5°- 75.7° | 7 | 22 | 24/9.4 | 1 : 7.8 | - | 75 × 105.7/3.0 × 4.2 | 555/19.6 | - |
| 109.7°- 70.7° | 102.4°- 63.8° | 7 | 22 | 24/9.4 | 1 : 6.6 | 82 | 87.3 × 88.2/3.4 × 3.5 | 520/18.3 | LH873-01 |
| 109.7°- 70.7° | 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 |
| 79.7°- 31.7° | 72.4°- 27.9° | 7 | 22 | 28/11.0 | 1 : 5 | 77 | 83.5 × 91.8/3.3 × 3.6 | 565/19.9 | LH825-03 |
| 79.7°- 22.9° | 74.4°- 20.2° | 7 | 22 | 22/8.7 | 1 : 2.8 | 72 | 79.0 × 82.0/3.1 × 3.2 | 465/16.4 | LH780-03 |
| 76.5°- 44.2° | 69.3°- 39.1° | 9 | 16 | 28/11 | 1 : 4.3 | 72 | 78.0 × 121.0/3.1 × 4.8 | 810/28.6 | LH780-06 |
| 76.5°- 8.1° | 69.3°- 7.1° | 7 | 22 | 45/17.7 | 1 : 3.8 | 62 | 75.3 × 87.7/3.0 × 3.5 | 490/17.3 | LH680-01 |
| 76.5°- 6.5° | 69.3°- 5.7° | 7 | 22 | 35/13.8 | 1 : 2.9 | 62 | 73.5 × 88.6/2.9 × 3.5 | 470/16.6 | LH680-04 |
| 31.7°- 10.8° | 27.9°- 9.5° | 9 | 22 | 80/31.5 | 1 : 6.3 | 77 | 86.4 × 197.6/3.4 × 7.8 | 1,340/47.3 | LH850-02 |
| 180° | 180° | 6 | 22 | 13.5/5.3 | 1 : 6 | ** | 76.2 × 77.8/3.0 × 3.1 | 470/16.6 | - |
| 180° | 154° | 7 | 22 | 13.5/5.3 | 1 : 3.3 | ** | 75.8 × 83.1/3.0 × 3.3 | 475/16.8 | - |
| 50.7° | 45° | 9 | 16 | 30/11.8 | 1 : 6.8 | 62 | 74.2 × 63.3/2.9 × 2.5 | 435/15.3 | LH686-01 |

| Minimum focusing distance (cm/in.) | Magnification | Filter size (ø mm) | Diameter x length (ø mm x mm/ø in. x in.) | Weight (g/oz.) | Hood (included) |
|---|---|---|---|---|---|
| 20/7.8 | 1 : 7.4 | 46 | 60.8 × 45.7/2.4 × 1.8 | 160/5.6 | LH520-03 |
| 30/11.8 | 1 : 8.1 | 46 | 60.8 × 40.5/2.4 × 1.6 | 140/4.9 | LH520-03 |
| 50/19.7 | 1 : 7.2 | 46 | 60.6 × 55.5/2.4 × 2.2 | 190/6.7 | LH520-03 |

•Sony and Pentax mounts with * do not incorporate an OS function. •*1: Sony mount lenses do not incorporate an OS function. •The Ⓗ symbol in the UPC code indicates the lens includes HSM. •When Pentax mount lenses with HSM and/or OS function are attached to Pentax *ist series or K100D cameras, AF and OS will not function. •A double asterisk (**) in the "Filter size" column indicates that a gelatin filter may be inserted into the rear of the lens. •Angle of view depends on camera model.

•Vignetting will occur if the lens is used with digital cameras with an image sensor larger than APS-C size, with 35mm SLR cameras, or with APS film cameras. •The minimum shooting distance is measured from the image plane. •Figures for maximum diameter x length, weight, and minimum aperture setting (F-number) were obtained using a SIGMA mount lens. •Lens specification varies depending on mount type.

| Angle of view (SD format) | | Number of blades in diaphragm | Minimum aperture (wide) | Minimum focusing distance (cm/in.) | Magnification | Filter size (ø mm) | Diameter x length (ø mm x mm/ø in. x in.) | Weight (g/oz.) | Hood (included) | Hood adapter (included) | Tripod socket (*indicates included with the lens) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SD1 | SD9, SD10, SD14, SD15 | | | | | | | | | | |
| 99.6°- 61.2° | 92.1°- 54.8° | 6 | 22 | 28/11.0 | 1 : 6.4 | - | 87 × 120.2/3.3 × 4.7 | 670/23.6 | - | - | - |
| 61.2°- 22.9° | 54.8°- 20.2° | 9 | 22 | 38/15.0 | 1 : 5.3 | 82 | 88.6 × 94.7/3.5 × 3.7 | 790/27.9 | LH876-01 | - | - |
| 61.2°- 15.4° | 54.8°- 13.5° | 9 | 22 | 45/17.7 | 1 : 4.6 | 82 | 88.6 × 109.4/3.5 × 4.3 | 885/31.2 | LH876-02 | - | - |
| 31.7°- 3.3° | 27.9°- 2.9° | 9 | 22 | 50-180/19.7-70.9 | 1 : 3.1 | 95 | 104.4 × 219/4.1 × 8.6 | 1,970/69.5 | LH1030-01 | HA1030-01 | TS-31* |
| 22.9°- 8.1° | 20.2°- 7.1° | 9 | 22 | 140/55.1 | 1 : 8 | 77 | 86.4 × 197.6/3.4 × 7.8 | 1,430/50.4 | LH850-02 | HA850-01 | TS-41, TS-21* |
| 22.9°- 5.4° | 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 | - | - |
| 22.9°- 5.4° | 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 | - | - |
| 13.5°- 5.4° | 11.8°- 4.7° | 9 | 22 | 150-250/59.1-98.4 | 1 :8.1 | 105 | 121.4 × 291/4.8 × 11.5 | 3,390/119.6 | LH1220-01 | - | TS-51* |
| 13.5°- 4.1° | 11.8°- 3.6° | 9 | 22 | 150/59.1 | 1 :4.2 | 77 | 92.5 × 203.5/3.6 × 8.0 | 1,640/57.8 | LH830-01 | - | TS-31* |
| 10.8°- 3.3° | 9.5°- 2.9° | 9 | 22 | 220/86.6 | 1 : 5.2 | 86 | 94.7 × 252/3.6 × 9.9 | 1,780/62.8 | LH927-01 | - | TS-31* |
| 8.1°- 3.2° | 7.1°- 2.9° | 9 | 22 | 200-500/78.7-196.9 | 1 : 7.7 | 72(Rear) | 236.5 × 726/9.3 × 28.6 | 15,700/553.7 | - | - | - |
| 5.4°- 2.0° | 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 | - | - |
| 180° | 180° | 6 | 22 | 13.5/5.3 | 1 : 4.6 | ** | 73.5 × 68.6/2.9 × 2.7 | 400/14.1 | - | - | - |
| 113° | 98° | 7 | 22 | 15/5.9 | 1 : 3.8 | ** | 73.5 × 69/2.9 × 2.7 | 370/13.0 | - | - | - |
| 70.8° | 63.8° | 9 | 22 | 20/7.9 | 1 : 4 | 82 | 88.6 × 89.5/3.5 × 3.5 | 520/18.3 | LH875-02 | - | - |
| 61.2° | 54.8° | 9 | 22 | 18/7.1 | 1 : 2.7 | 77 | 83.6 × 82.5/3.3 × 3.2 | 485/17.1 | LH825-03 | - | - |
| 53.8° | 47.9° | 9 | 22 | 20/7.9 | 1 : 2.9 | 77 | 83.6 × 82.5/3.3 × 3.2 | 500/17.6 | LH825-03 | - | - |
| 31.7° | 27.9° | 9 | 16 | 45/17.7 | 1 : 7.4 | 77 | 84.5 × 68.2/3.3 × 2.7 | 505/17.8 | LH829-01 | - | - |
| 19.0° | 16.7° | 9 | 16 | 85/33.5 | 1 : 8.6 | 77 | 86.4 × 87.6/3.4 × 3.4 | 725/25.6 | LH850-03 | HA850-02 | - |
| 5.4° | 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 | - | TS-41, TS-21* |
| 3.3° | 2.9° | 9 | 32 | 400/157.5 | 1 : 7.7 | 46(Rear) | 123 × 350/4.8 × 13.8 | 3,150/111.1 | LH1236-01 | - | - |
| 2.0° | 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 | - | - |
| 44.2° | 39.1° | 9 | 16 | 30/11.8 | 1 : 5.2 | 67 | 77 × 94.0/3.0 × 3.6 | 665/23.5 | LH730-03 | - | - |
| 31.7° | 27.9° | 7 | 45 | 18.8/7.4 | 1 : 1 | 55 | 71.4 × 66.5/2.8 × 2.6 | 320/11.3 | LH550-02 | - | - |
| 22.9° | 20.2° | 9 | 22 | 25.7/10.1 | 1 : 1 | 62 | 76 × 95/3.0 × 3.7 | 525/18.5 | LH620-01 | - | - |
| 15.4° | 13.5° | 9 | 22 | 31.2/12.3 | 1 : 1 | 62 | 78.3 × 126.4/3.1 × 5.0 | 725/25.6 | LH680-03 | HA680-01 | - |
| 10.8° | 9.5° | 9 | 22 | 38/15.0 | 1 : 1 | 72 | 79.6 × 150/3.1 × 5.9 | 1,150/40.6 | LH780-05 | HA780-01 | TS-41, TS-21* |
| 9° | 7.9° | 9 | 22 | 47/18.5 | 1 : 1 | 86 | 95 × 203.9/3.7 × 8 | 1,640/57.8 | LH927-01 | HA927-01 | TS-21* |

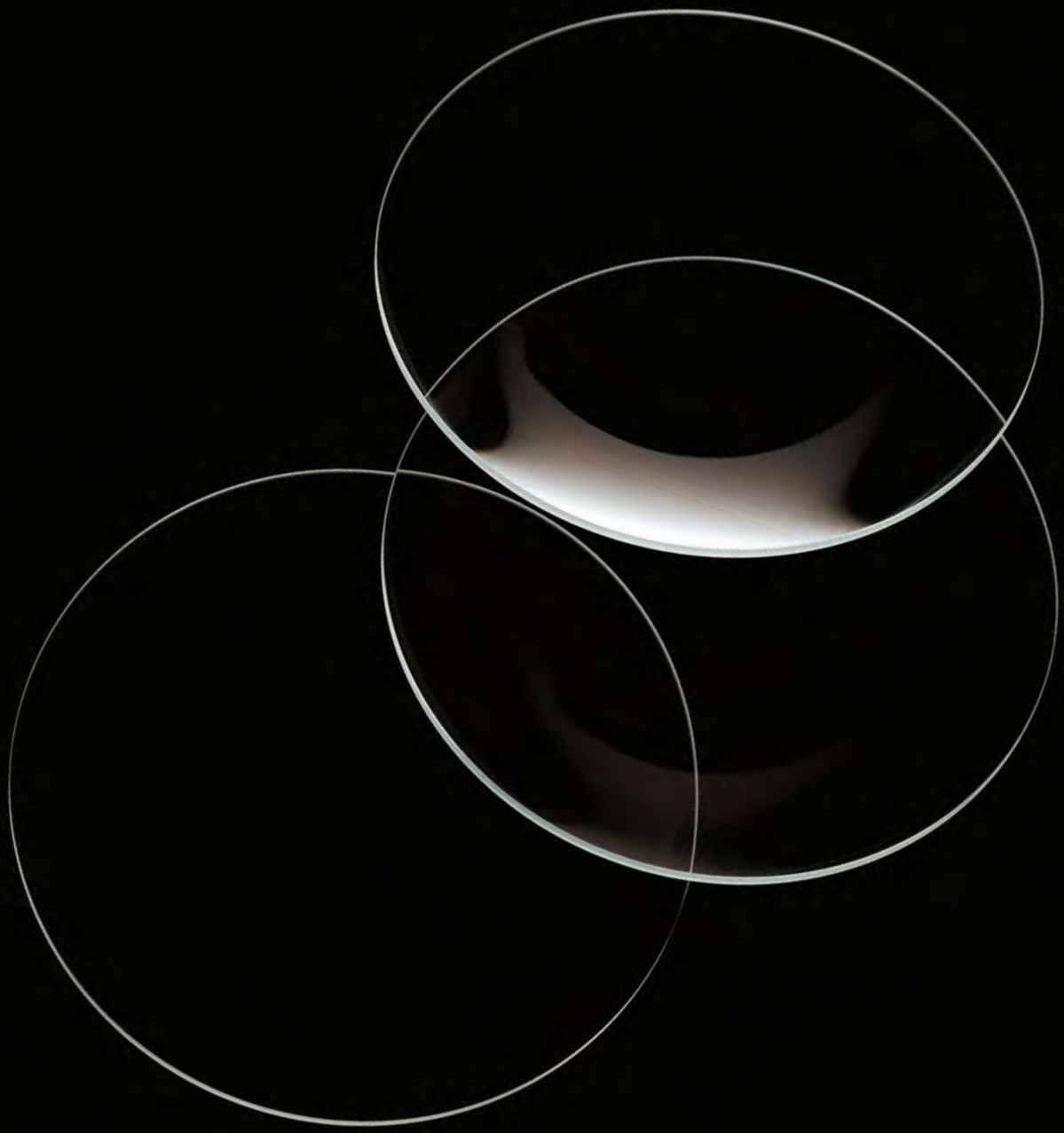
## Notes for Optical Stabilizer (OS) function

•Sony and Pentax mounts with * do not incorporate an OS function. •The OS function will not work when the lens is attached to film SLR cameras (with the exception of the Nikon F6 and Canon EOS-1v) or to Pentax *ist series and K100D cameras. •When using the OS function of a lens with a camera which incorporates a stabilizer unit, please turn the camera's stabilizer unit off.

•Appearances and specifications are subject to change without notice.

## Other notes

•Figures for maximum diameter x length, weight, and minimum aperture setting (F-number) were obtained using a Sigma mount. Specification varies depending on mount type. •A double asterisk (**) in the "Filter size" column indicates that a gelatin filter may be inserted into the rear of the lens. •The angle of view depends on camera model. •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 length of a lens is measured from the filter surface to its mount.



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

10/2013