



2016 Autumn Lens Series

- A** Art 85mm F1.4 DG HSM
- A** Art 12-24mm F4 DG HSM
- S** Sports 500mm F4 DG OS HSM



SIGMA

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A Art

85mm F1.4 DG HSM



Peak 85mm F1.4 performance. Introducing the ultimate lens for portraits and more.

Portrait photographers demand the attractive bokeh effect that large-diameter lenses offer, as well as outstanding resolution. Fulfilling the exacting standards of the Art line, the SIGMA 85mm F1.4 DG HSM | Art delivers both of these elements at the highest level. The bokeh effect is so precise, you can focus on the pupil of the subject's eye while blurring the eyelashes. Adding to the effect, the area in focus is extremely high resolution while the bokeh area is very attractive in appearance. The SIGMA 85mm F1.4 DG HSM | Art incorporates 14 lens elements in 12 groups, a remarkable structure that helps the lens deliver ultra-high resolution. This lens is therefore an excellent match for digital cameras with ultra-high resolution of 50 megapixels or more.

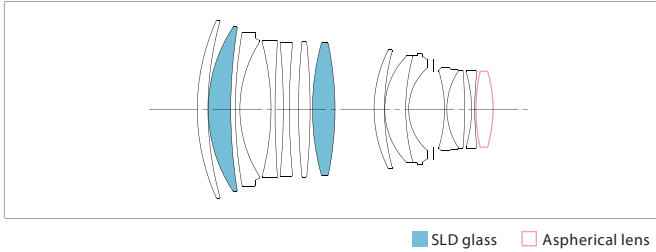
More on our new product lineup:

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Principal features

● Image quality perfect for ultra-high megapixel digital cameras

Ultra-high-megapixel full-frame DSLRs offering 50-megapixel or higher resolution are now available, and nothing will bring out the performance potential of these cameras better than the fundamental performance of lens. The SIGMA 85mm F1.4 DG HSM | Art incorporates two elements made of SLD (Special Low Dispersion Glass) and one element with a high rate of anomalous partial dispersion and a high index of refraction. These features help ensure a crisp image throughout the plane. The optical system also minimizes sagittal coma flare for outstanding image quality without streaking—even at wide-open aperture.



● The beautiful bokeh effect that only a large-diameter lens can offer

Elements made of SLD (Special Low Dispersion) glass and an optimized power distribution help minimize axial chromatic aberration. In the areas in front of and behind the point of focus, the optical system produces an attractive and natural bokeh effect by producing a smooth gradation of focus and minimizing streaking.



● Newly designed HSM for nimble AF control

The newly designed Hyper Sonic Motor (HSM) offers 1.3 times the torque of its conventional. Even at low speeds, it offers exceptionally stable performance. The updated AF algorithm helps ensure nimble autofocus performance. In addition, full-time manual focus override allows the lens to be switched to manual focus simply by rotating the focus ring—even during continuous AF. The user can quickly find the perfect focus without needing to touch the focus mode switch.

● Compatible with Mount Converter MC-11

MOUNT CONVERTER MC-11 allows you to use your SIGMA SA mount and SIGMA EOS mount (Canon-compatible) interchangeable lenses with the Sony E-mount camera body. Owners of multiple camera systems can get even more out of their valuable lens assets, while Sony E-mount camera owners can enjoy the world of large-diameter, medium-telephoto photography.

Lens exterior

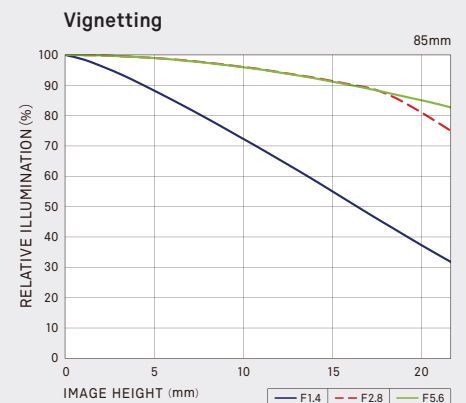
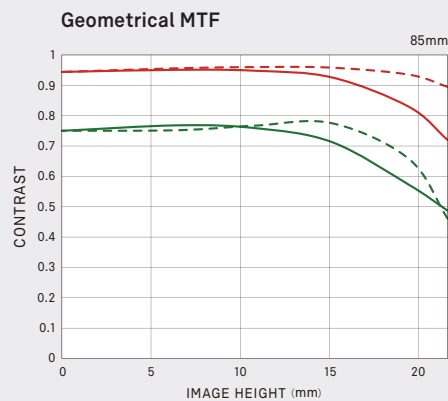
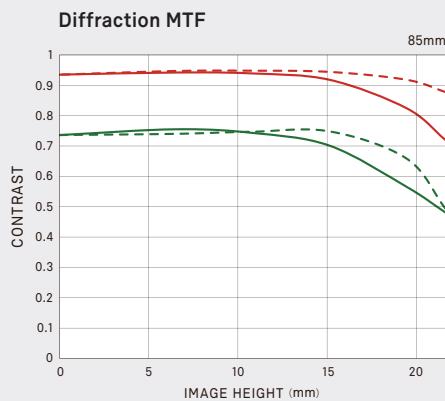
Note: Appearance varies slightly by mount type.



Specifications

| | |
|---------------------------|--------------------------|
| Lens construction | 14 elements in 12 groups |
| Minimum aperture | F16 |
| Filter size | ø86mm |
| Angle of view (35mm) | 28.6° |
| Minimum focusing distance | 85cm / 33.5in. |

| | |
|------------------------------|-------------------------------|
| Dimensions (diameter×length) | ø94.7mm×126.2mm / 3.7in×5.0in |
| Number of diaphragm blades | 9 (rounded diaphragm) |
| Maximum magnification ratio | 1:8.5 |
| Weight | 1130g / 39.9oz |



| Spatial frequency | S | M |
|-------------------|---|-------|
| 10 lines / mm | — | - - - |
| 30 lines / mm | — | - - - |

S: Sagittal line
M: Meridional line
All values are at wide-open aperture.

Case and Hood (LH927-02) included.
All specifications for SIGMA mount. Appearance and specifications are subject to change without notice.

A Art

12-24mm F4 DG HSM



Top 12mm ultra-wide-angle performance — welcome to the world of zero distortion

The wide-angle zoom pioneer, SIGMA has developed and launched many extraordinary products in this category over the decades. Now SIGMA introduces an ultra-wide-angle zoom lens that is perfect for the era of ultra-high resolution digital cameras. The SIGMA 12-24mm F4 DG HSM | Art offers an optimal package of center-to-edge image quality, minimized distortion, and low minimum focusing distance. To achieve these qualities without compromise, SIGMA has leveraged its lens design expertise and all of its leading-edge technologies. Advanced materials such as low-dispersion glass play a crucial role, while SIGMA's advanced lens processing methods have made possible an aspherical lens of extremely large diameter.

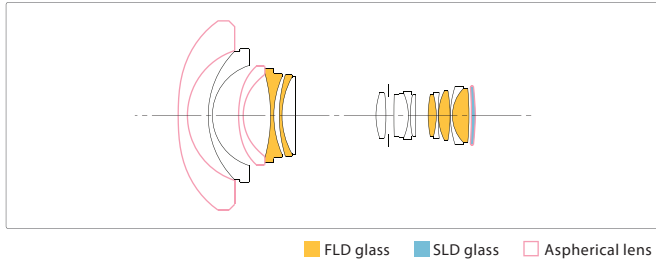
More on our new product lineup:

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Principal features

Outstanding image quality — from center to edges

When it comes to ultra-wide-angle lenses, photographers want outstanding image quality from the center of the image to the edges without any distortion. Such performance is particularly valuable in architectural photography. The new SIGMA 12-24mm F4 DG HSM | Art leverages SIGMA's accumulated expertise in the processing and manufacture of aspherical lenses and incorporates multiple aspherical lenses produced with precision glass molding. The lens also features lens elements made with FLD ("F"Low Dispersion) glass, which is equivalent to fluorite in performance, and an optimized power distribution. Together, these features help minimize distortion, transverse chromatic aberration, and coma flare. As a result, image quality is outstanding across the image, all the way to the edges.



Featuring an $\varnothing 80\text{mm}$ aspherical lens — the largest in this lens class

The SIGMA 12-24mm F4 DG HSM | Art features an $\varnothing 80\text{mm}$ large-diameter molded glass aspherical lens—the largest such element in this class of lenses. This lens is highly effective in minimizing distortion, spherical aberration, and coma flare.



Mount with dust- and splash-proof construction

The lens mount incorporates rubber sealing to protect the mount from dust and water drops. The front and rear lenses feature a water- and oil-repellent coating that is particularly useful when shooting in a drizzle, near ocean spray, and in a wide variety of other conditions.

Compatible with Mount Converter MC-11

Mount Converter MC-11 allows you to use your SIGMA SA mount and SIGMA EOS mount (Canon-compatible) interchangeable lenses with the Sony E-mount camera body. Owners of multiple camera systems can get even more out of their valuable lens assets, while Sony E-mount camera owners can enjoy the world of ultra-wide-angle zoom photography.

Lens exterior

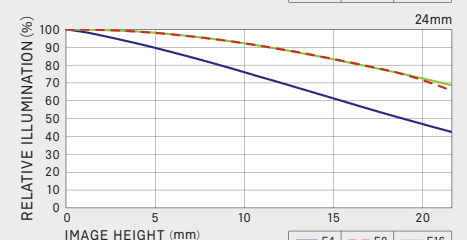
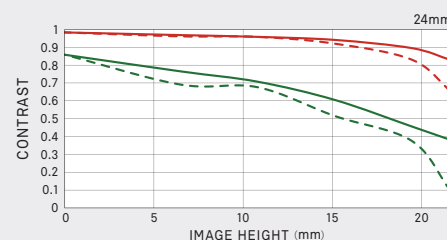
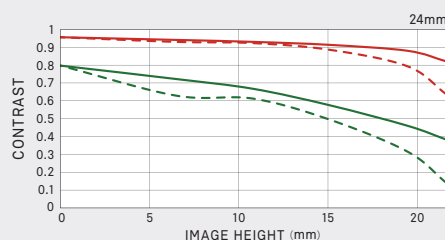
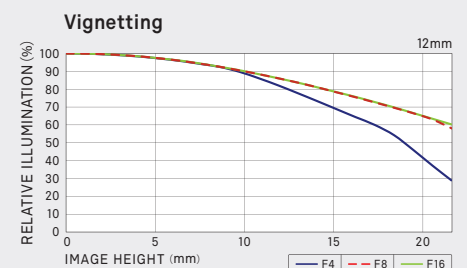
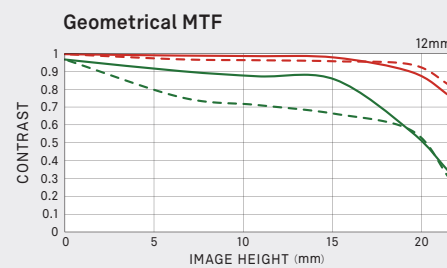
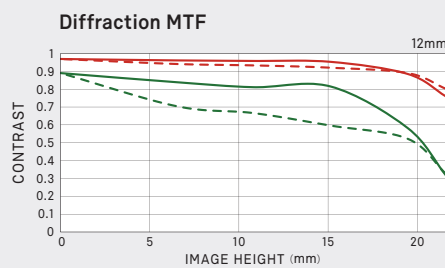
Note: Appearance varies slightly by mount type.



Specifications

| | |
|---------------------------|----------------------------|
| Lens construction | 16 elements in 11 groups |
| Minimum aperture | F22 |
| Angle of view (35mm) | 122°–84.1° |
| Minimum focusing distance | 24–25.8cm / 9.4in.–10.2in. |

| | |
|------------------------------|--|
| Dimensions (diameter×length) | $\varnothing 102\text{mm} \times 131.5\text{mm}$ / 4.0in.×5.2in. |
| Number of diaphragm blades | 9 (rounded diaphragm) |
| Maximum magnification ratio | 1:4.9 |
| Weight | 1150g / 40.6oz. |



| Spatial frequency | S | M |
|-------------------|---|-------|
| 10 lines / mm | — | - - - |
| 30 lines / mm | — | - - - |

S: Sagittal line
M: Meridional line
All values are at wide-open aperture.

Case included. All specifications for SIGMA mount. Appearance and specifications are subject to change without notice.

S Sports

500mm F4 DG OS HSM



Introducing the flagship lens of the Sports line.

Photographers typically choose a prime lens when they require top image quality. The new flagship lens of our Sports line, the SIGMA 500mm F4 DG OS HSM fulfills this need while incorporating SIGMA's latest technologies and delivering a full range of advanced features and functions: enhanced dust- and splash-proof construction, Optical Stabilizer (OS) system, SIGMA Teleconverter compatibility, AF function switch, SIGMA's latest-generation Hyper Sonic Motor (HSM), and more. Combining top-level optical performance with functionality for challenging shoots, the SIGMA 500mm F4 DG OS HSM | Sports sets a new standard for high-performance telephoto lenses.

More on our new product lineup:

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Principal features

Enhanced dust/splash-proof construction and exclusive PROTECTOR

Designed for top performance in tough shooting conditions, the SIGMA 500mm F4 DG OS HSM | Sports features a highly effective dust- and splash-proof construction. The front of the lens features a water- and oil-repellent coating that allows water to be wiped away easily and helps prevent oil from sticking to the surface.



Magnesium alloy barrel

To help minimize the weight associated with a telephoto lens, the lens barrel is made with a magnesium alloy. Both lightweight and tough, this alloy contributes to the outstanding maneuverability of the SIGMA 500mm F4 DG OS HSM | Sports.

Tripod socket with 90° click stops

Since photographers often prefer to use a hyper-telephoto lens with a monopod or tripod, the lens features a large and extremely stable tripod socket. Antistatic nickel plating on the socket parts help enhance the quality and durability of the 90° click stops, which make it easy to switch between vertical and horizontal shooting positions.

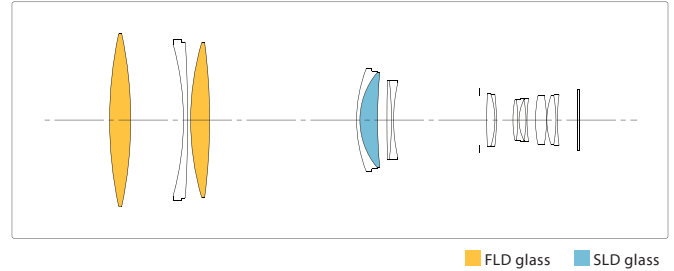


Wide range of accessories (each sold separately)

Tripod Socket TS-81 is a large lens foot. Its optimized rail length makes it easy to adjust the center of gravity of the equipment for outstanding balance. PROTECTOR LPT-11 is exclusively designed for the SIGMA 500mm F4. It effectively helps prevent damage to the lens during shooting and maintenance. Circular PL Filter RCP-11 is a drop-in filter that can easily be rotated while the lens is in use.

Top-level optical performance

The lens incorporates two FLD and one SLD glass elements, while the optimized power distribution helps minimize spherical aberration and axial chromatic aberration. The optical system also effectively minimizes transverse chromatic aberration, which can often affect images taken with a telephoto lens. In addition, image quality remains exceptional when the lens is used with a SIGMA Tele Converter (sold separately).



AF function switch with preset AF modes

The AF function switch allows you to set your own autofocus specification. The lens can remember your chosen focus position or turn off AF until it is needed.

Note: Available switch functions may vary by mount.



OS system with new Intelligent OS algorithm

The Optical Stabilizer (OS) system features an acceleration sensor to deliver even more precise performance. In Mode 2, the acceleration sensor teams up with the new Intelligent OS algorithm to deliver effective stabilization while you move the camera horizontally, vertically, or diagonally—regardless of the position of the lens. This feature helps ensure effective panning and outstanding capture of moving subjects.

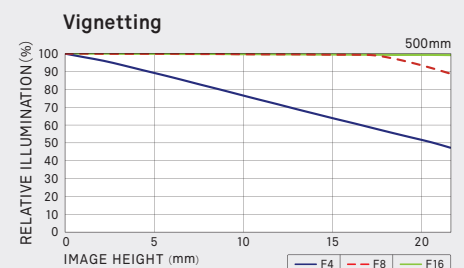
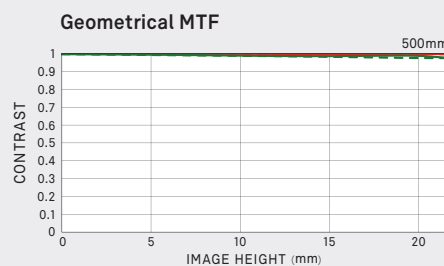
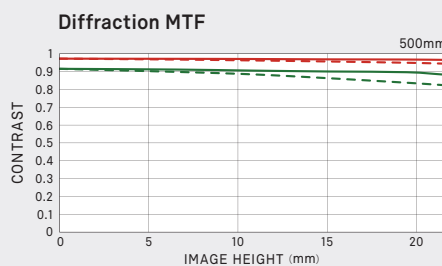
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Specifications

| | |
|---------------------------|--------------------------|
| Lens construction | 16 elements in 11 groups |
| Minimum aperture | F32 |
| Filter size | ø46mm (rear) |
| Angle of view (35mm) | 5° |
| Minimum focusing distance | 350cm / 137.8in. |

| | |
|--------------------------------|-----------------------------------|
| Dimensions (diameter x length) | ø144.8mm x 380.3mm / 5.7in x 15in |
| Number of diaphragm blades | 9 (rounded diaphragm) |
| Maximum magnification ratio | 1:6.5 |
| Weight | 3310g / 116.7oz. |



| Spatial frequency | S | M |
|-------------------|---|-------|
| 10 lines / mm | — | - - - |
| 30 lines / mm | — | - - - |

S: Sagittal line
M: Meridional line
All values are at wide-open aperture.

Case, Hood (LH1388-01) and WR Protector included. Lens is equipped with fixed tripod socket. All specifications for SIGMA mount. Appearance and specifications are subject to change without notice.

SIGMA

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