

## C | Contemporary

### SIGMA 18-200mm F3.5-6.3 DC MACRO OS HSM 18-200mm F3.5-6.3 DC MACRO HSM

As entry level lenses for digital SLR cameras, standard zoom lenses are capable of many types of photography. With this lens, you can enjoy the variation of different angle-of-views covering from a wide-angle of 18mm (equivalent to 27mm on a 35mm camera) to a tele-photo of 200mm (equivalent to 300mm on a 35mm camera), as well as Macro. Moreover, thanks to the OS (Optical Stabilizer) functionality, while pursuing convenience of handheld photography for close-up, indoor and night time photography, SIGMA incorporated the latest technology freely in order to achieve its compact size as an everyday lens. SIGMA proposes a new standard zoom lens.



Accessory: Petal-Type Hood (LH676-01) supplied.

Corresponding AF Mounts: SIGMA, Canon, Sony, Nikon, Pentax

The Appearance and specifications are subject to change without notice.

For Sony and Pentax, the OS function is not incorporated.

[Special Features]

### 1. Contemporary line that covers a wide range of photography

SIGMA is organizing all its interchangeable lenses into three product lines; Contemporary, Art and Sports. Among the three, the Contemporary line is a high performance line which incorporates the very latest technology making it possible to accommodate both high optical performance and compactness for use in various photography situations. Sigma has solved the difficult problem of keeping the size and weight down without compromising optical performance and function with the latest technology. This lens covers frequently used wide-angle to tele-photo, as well as macro photography.

### 2. New standard zoom up to 200mm

SIGMA has always been producing a high performance standard zoom lens, dedicated for digital DSLR cameras, that covers up to 200mm by reflecting the latest technology.

In 2005, SIGMA released 18-200mm F3.5-6.3 DC as a smallest and lightest all-rounder lens in class that covers from wide-angle to tele-photo range. SIGMA, in 2007, incorporated OS (Optical Stabilization) functionality, and in 2011, has successfully made the size of the lens even more compact.

Now, this new lens has been redeveloped as the standard zoom lens from SIGMA's new product line, which has higher performance, is even smaller and lighter-weight, and on top of that, includes "the macro feature". As an entry level interchangeable lens, it is capable of many photographic scenes.

### 3. Diameter reduced by 4.6mm compared to its predecessor

We pursued the compactness as an ideal everyday lens. From an early stage of development, SIGMA was determined to make the lens size compact, for example, by incorporating double-sided aspherical lens elements and downsizing the motor. As a result, while the predecessor had a diameter of  $\phi$  75.3mm, this lens has reduced it to  $\phi$  70.7mm, which has the difference of 4.6mm. It also achieves -11% in volume ratio compared to its predecessor. It is one of the smallest in its class of lenses with more than a 7x zoom ratio, and is more comparable in size to a generic standard zoom lenses.

#### 4. High rendering performance throughout the entire zoom range

With our Contemporary line, the lens is required to fulfill the maximum potential while achieving a compact and light-weight construction. This lens incorporates SLD (Special Low Dispersion) glass elements that have a high refractive index, and corrects chromatic aberration at the telephoto-end very well. Moreover, aspherical lens elements, including double-sided aspherical lenses, ensure a compact size and excellent correction of distortion. This also helps to produce superior rendering performance throughout the entire zoom range from wide-angle to tele-photo and macro photography.

#### 5. Close-up photography

One of the biggest features of this lens is that it is possible to shoot subjects as close as Macro lenses. This lens features a minimum focusing distance of 39cm and a maximum magnification ratio of 1:3. It offers the versatility for shooting close-ups of fashion accessories, cuisine, flower arrangements and much more without changing the lens. Its working distance is 14.7cm, and it is suitable for shooting images with natural light as it keeps the shadows of camera and lens off of the image. On its lens barrel, it indicates the maximum shooting magnification at each focal length, and it is so convenient for a photographer that the size of the object in the image sensor becomes easily recognizable. Uncompromising in every aspect of lens design, Sigma has even chosen to engrave the product name on the front of the lens to prevent reflections of the letters during close-up photography.

#### 6. Incorporating new composite TSC

In product development of cameras and lenses, it is crucial to lay out main components, metal parts and polycarbonate, to optimize and ensure each feature. This lens has incorporated TSC (Thermally Stable Composite) that has the same level of thermal shrinkage as aluminum and little elasticity, especially in temperature changes. Since thermal shrinkage is low, it has a high affinity to metal parts that contributes to high precision in product manufacturing. It also results in slimmer mechanical parts, such as the zoom ring and scaling.

## [Other Features]

### Optical Stabilizer

This lens incorporates an OS system which offers superior stabilization, making it possible to compensate for camera shake even in macro range photography where a small blur can be easily identified.

\*1. The closer the lens is to the object, the less effective the OS function is.

\*2. For Sony and Pentax, OS function is not incorporated.

### Designed to minimize flare and ghosting

Flare and ghosting were thoroughly measured and monitored from the lens development stage to establish an optical design which is resistant to strong incidental light such as backlight. The Super Multi-Layer Coating reduces flare and ghosting and provides sharp and high contrast images even in backlit conditions. Attaching the matched petal type hood, which is supplied, will provide extra protection from flare and ghosting.

### Incorporating Rounded Diaphragm

The 7 blade-rounded diaphragm creates an attractive blur to the out-of-focus areas of the image.

### Hyper Sonic Motor

HSM (Hyper Sonic Motor) delivers high AF speed and extremely quiet performance. With the latest AF algorithm, smoother AF is achieved.

### Brass made bayonet mount

This lens incorporates a brass made bayonet mount which has both high accuracy and durability. A special treatment to reinforce its strength is applied to the surface giving it greater strength and making it highly resistant to long-term use.

### Ease of use

The new product lines incorporate rubber for the attachment part of the provided lens hood. For better

usability, the design of the lens cap and AF / MF changeover switch has been improved.

### Newly developed “SIGMA USB DOCK” exclusively for new product lines

Based on these new lines, we have developed special software (SIGMA Optimization Pro) that can update the lens firmware and adjust parameters such as focus.

### Evaluation with Sigma’s own MTF measuring system “A1”

We used to measure lens performance with MTF measuring system using conventional sensors. However, we’ve now developed our own proprietary MTF (modulation transfer function) measuring system (A1) using 46-megapixel Foveon direct image sensors. Even previously undetectable high-frequency details are now within the scope of our quality control inspections. The SIGMA 18-200mm F3.5-6.3 DC MACRO OS HSM will all be checked using this “A1” before they are shipped.

### “Made in Japan”

The vast majority of Sigma's manufacturing – right down to molds and parts – is carried out under an integrated production system, entirely in Japan. 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 clean air and water, and focused, hard-working people. We pride ourselves on the authentic quality of Sigma products, 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, because our manufacturing is based on genuine craftsmanship, underpinned by the passion and pride of our experts.

### Applicable for the Mount Conversion Service

As an experienced lens manufacturer that has been creating a diverse range of interchangeable lenses, we have started the innovative chargeable service “Mount Conversion Service”. With this service, the mount of your current SIGMA lenses can be changed to another mount of your choice. It gives a new life to your favorite lenses when you wish to use it on a different camera body.

\*. This “Mount Conversion Service” is different from a normal repair. In order to apply for the service, please contact your nearest authorized subsidiary / distributor of SIGMA.

**[Specification]** For Sigma

Lens Construction: 16 elements in 13 groups | Minimum aperture (W): F22 | Filter size: ø62mm | Angle of view (SD1): 76.5°-8.1° | Minimum focusing distance: 39cm/15.4in. | Dimensions (Diameter x Length): ø70.7mm x 86mm/2.8in. x 3.4in. | Number of diaphragm blades: 7 (Rounded diaphragm) | Maximum magnification ratio: 1:3 | Weight: 430g/15.2oz.

**[UPC Code]**

SIGMA	: 0085126-885564	Sony	: 0085126-885625	Nikon	: 0085126-885557
Pentax	: 0085126-885618	Canon	: 0085126-885540		

**[Accessories]**

Petal type Lens Hood LH676-01 (supplied)	: 0085126-930226		
FRONT CAP LCF-62 III (supplied)	: 0085126-929817		
REAR CAP LCR II (supplied)			
SIGMA	: 0085126-929497	Sony	: 0085126-929527
Nikon	: 0085126-929503	Pentax	: 0085126-929534
Canon	: 0085126-929510		
SIGMA DG UV 62mm	: 0085126-923723		
SIGMA DG WIDE CIRCULAR PL 62mm	: 0085126-923839		

**[Information]**

SIGMA GLOBAL VISION: <http://www.sigma-global.com>