

A | Art

SIGMA 24-70mm F2.8 DG OS HSM

Top-level performance optimized for the era of ultra-high-megapixel cameras

1. The large-diameter standard zoom ideal for today's ultra-high-megapixel digital cameras
2. OS functionality and newly designed HSM for success on any shoot
3. Lens barrel designed for high rigidity
4. Other features



Launch: TBD

Accessories: Case, Hood (LH876-04)

AF Mounts: SIGMA, NIKON, CANON

Appearance and specifications are subject to change without notice.

The definitive large-diameter standard zoom lens for any shoot

What photographers demand from the 24-70mm F2.8 specification is much more than outstanding image quality. They want all the features that make this a go-to lens for a wide range of photographic opportunities, including optical design ideal for the latest ultra-high-megapixel digital cameras, hypersonic motor (HSM) for high-speed autofocus, optical stabilizer (OS) with powerful stabilization effect, dust- and splash-proof mount with rubber sealing, and a metal barrel for a stable, rigid feel. This all-new 24-70mm F2.8 lens from SIGMA delivers the performance and functionality that help pros succeed in news, nature, and many other fields of photography.

【Key features】

1. The large-diameter standard zoom ideal for today's ultra-high-megapixel digital cameras

● Outstanding optical performance

Three SLD (Special Low Dispersion) glass lens elements and four aspherical lens elements help minimize optical aberrations. To ensure outstanding image quality from the center to the edges of the photograph, the optical system minimizes coma, which causes points of light to streak, and transverse chromatic aberration, which cannot be corrected via aperture control. The optical system also minimizes distortion, which can be particularly evident in wide-angle shots, resulting in excellent optical performance throughout the zoom range.

● A 24-70mm F2.8 lens that meets the high standards of the Art line

SIGMA has continuously pioneered 24-70mm F2.8 lenses that are a step ahead of the times. The first model of this specification, SIGMA 24-70mm F2.8 EX DG ASPHERICAL DF, launched in 2001.

Representing the fourth generation of the family, the new SIGMA 24-70mm F2.8 DG OS HSM | Art accomplishes a challenging feat in optical design: incorporating optical stabilizer functionality in a large-diameter standard zoom. By leveraging all of its design and manufacturing expertise, SIGMA has ensured that this new lens fulfills the uncompromising requirements of the Art line for image and build quality.

- **Bokeh that is a cut above**

At wide-open aperture, this lens offers outstanding photographic expression. The area in focus is extremely sharp, while the background exhibits a beautiful bokeh effect with only slight spherical aberration. Since large-diameter zoom lenses are often used at wide-open aperture, SIGMA has paid close attention to the shape of the bokeh, aiming for perfect circularity.

- **Incorporating advanced aspherical lens processing technology**

Aspherical lenses necessitate refined expertise in the design and manufacturing of advanced, high-performance lenses. SIGMA's first products to feature this technology were the SIGMA 12-24mm F4 DG HSM | Art and SIGMA 14mm F1.8 DG HSM | Art, which both incorporated a large ø80mm aspherical lens as their front lens element. Building on the success of these predecessors, the SIGMA 24-70mm F2.8 DG HSM | Art incorporates an aspherical lens element that helps achieve extremely high resolution. This element is much thicker at the center than the edges, and forming its unusual shape is a feat of manufacturing technology. Moreover, SIGMA processes the surface of this aspherical lens element with ultra-precise tolerances that are measured in hundredths of a micrometer. This extremely fine surface allows the SIGMA 24-70mm F2.8 DG HSM | Art to deliver a very natural and smooth bokeh effect, without the visible concentric rings that afflict typical aspherical lens elements.

2. OS functionality and newly designed HSM for success on any shoot

Designed for advanced utility in a wide variety of situations, the optical stabilizer (OS) offers a powerful stabilization effect. The newly designed large hypersonic motor (HSM) offers 1.3 times the torque of its predecessor and exceptionally stable performance even at lower speeds.

* Based on CIPA's guideline. Measuring at telephoto end, when it is attached to the camera with 35mm image sensor.

3. Lens barrel designed for high rigidity

Since large-diameter standard zoom lenses tend to serve as a go-to lens and see frequent use, the SIGMA 24-70mm F2.8 DG HSM | Art is designed to stand up to the challenging shooting environments that pros encounter. To this end, the lens barrel contains a large amount of metal, while the external moving parts feature thermally stable composite (TSC), which is resistant to thermal expansion and

contraction. This structure contributes not only to the outstanding optical performance of the lens but also to its high rigidity and confidence-inspiring build quality.

4. Other features

- **Mount with dust- and splash-proof design**

Since the area of the lens most vulnerable to dust and other foreign bodies is the mount, rubber sealing helps provide peace of mind. In addition, the front lens element features a water- and oil-repellent coating that helps the lens perform well in the rain, near water, and in other challenging conditions.

- **Nikon electromagnetic diaphragm mechanism included**

The Nikon mount version of this lens includes an electromagnetic diaphragm mechanism that allows it to receive the appropriate signals from the camera body. This feature ensures precision diaphragm control and stable Auto Exposure (AE) performance during continuous shooting.

Note: Functionality may be limited on some camera bodies.

- **Fast AF with full-time manual focus**

- **Compatible with Mount Converter MC-11**

- **Available SIGMA USB DOCK**

Makes customization and flexible adjustment possible

- **Available Mount Conversion Service**

Allows use with another camera body

- **Rounded diaphragm**

- **Designed to minimize flare and ghosting**

- **High-precision, durable brass bayonet mount**

- **Evaluation with SIGMA's own MTF measuring system "A1"**

- **Made in Japan**

With outstanding craftsmanship

- **The lens barrel is engraved with the year of release**

For more information about the SIGMA GLOBAL VISION lineup of fine products, please visit the official SIGMA global website:

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

Lens Construction: 19 elements in 14 groups | Minimum aperture (width): F22 | Angle of view (35mm): 84.1-34.3° | Minimum focusing distance: 37cm./15in. | Dimensions (diameter x length): ϕ 88mm×107.6mm /3.5in. x 4.2in. | Number of diaphragm blades: 9 (rounded diaphragm) | Maximum magnification ratio: 1:4.8 | Weight: TBD

【Contact】

For further information, please contact your local authorized SIGMA representative listed in the link below:

<http://www.sigma-photo.co.jp/english/network/>

【Product information】

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