

# SIGMA

Unveiling another  
SIGMA Art line F1.2 lens.  
Elevating photographic  
mastery beyond  
conventional limits.

**A** Art  
**50mm F1.2 DG DN**

Designed exclusively for full-frame mirrorless cameras

**Supplied accessories: Case, LENS HOOD LH782-03,  
FRONT CAP LCF-72 III, REAR CAP LCR II**

**Available mount: L-Mount, Sony E-mount**

\*The appearance and specifications of the product are subject to change.

\* This product is developed, manufactured and sold based on the specifications of E-mount which was disclosed by Sony Corporation under the license agreement with Sony Corporation.

\* L-Mount is a registered trademark of Leica Camera AG.



More on our product lineup:

[sigma-global.com](https://sigma-global.com)

# The lightest in its class\* — Bright F1.2 maximum aperture and the highest level of descriptive power from SIGMA's Art line

SIGMA's focus with the SIGMA 50mm F1.2 DG DN | Art is on the descriptive power and on portability that allows the high performance to be demonstrated in any field. SIGMA achieved high resolving power from the maximum aperture throughout the entire focus range, while also enriching the beauty of the large bokeh effect at F1.2. In addition, the lens construction and mechanical design have been stripped down to the bare essentials, resulting in a compact and lightweight body. SIGMA invites all photographers to experience this ground-breaking fast-aperture Art prime, which transforms both the experience of creating an image and the expressive power of the end result.

\*As an AF 50mm F1.2 interchangeable lens for full-frame mirrorless cameras. (As of March 2024 by SIGMA)



©Xiao Ting Wu



©Alexandre Souêtre

## Principal features

### Highest descriptive power to take advantage of F1.2 brightness

The lens has been designed with an emphasis on high resolution from the maximum aperture to the full focus range and large, beautiful bokeh expression. The contrast between the sharpness of the focus surface and the melting bokeh effect creates a three-dimensional effect thanks to its F1.2 aperture. In addition, the 13-blade diaphragm allows for beautiful bokeh expressions. Focus breathing is also well-suppressed that the F1.2 rendering can be fully utilized in video recording.

#### Brightness of F1.2 maximum aperture and high resolution from minimum to infinity focus

The latest optical design achieves high resolving power with each aberration thoroughly suppressed from the maximum aperture. The lens is capable of rendering details without color bleeding in any situation. In addition, the incorporated floating focus is advantageous in improving short-range performance, ensuring a stable, high-level image quality throughout the entire range from the minimum focusing distance to infinity.

- Rich and beautiful bokeh without color bleeding
- Rounded diaphragm with 13 blades
- Designed to minimize focus breathing
- Designed to minimize flare and ghosting

### Lightest weight lens body in its class, suitable for a wide range of applications

The highest level of performance has been condensed into the lightest lens body in its class. The lens can be used not only in limited situations and applications, but in all kinds of shooting environments.

#### A dual HLA incorporating a new system

A new system was developed that significantly reduces the overall size of the lens without impacting on the thrust of the HLA, which is characterized by its high driving accuracy and quietness, and is featured in each of the two focus groups. This technological innovation ensures very fast and near-silent AF while maintaining a compact body.

### A wealth of functions for professional use and excellent build quality

The lens is designed with high functionality and reliability to meet the stringent demands of professionals, as well as excellent build quality for long-lasting, reliable use.

#### Various shooting assist functions

The lens is equipped with an AFL button\* which can be assigned to a range of functions via the menu on selected cameras. In addition to the aperture ring, the lens is equipped with an aperture ring lock switch and a click switch to turn the click on and off.

\*Function available on supported cameras only. Available functions may vary depending on the camera used.

#### Dust and splash resistant structure\* and water and oil repellent coating

\*The structure is designed to be dust and splash resistant, but not waterproof. Be careful not to bring the lens in contact with a large amount of water. Water inside the lens may cause major damage and even render the lens unrepairable.

#### Including a petal-type hood with lock

## Specifications

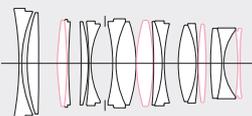
\*The figures below are for L-Mount.

Lens construction	17 elements in 12 groups (4 aspherical elements)
Angle of view	46.8°
Number of diaphragm blades	13 (rounded diaphragm)
Minimum aperture	F16
Minimum focusing distance	40cm / 15.8in.
Maximum magnification ratio	1:6.2
Filter size	ø72mm
Dimensions (Maximum Diameter x Length)	ø81.0mm x 108.8mm / ø3.2in. x 4.3in.
Weight	745g / 26.3oz.

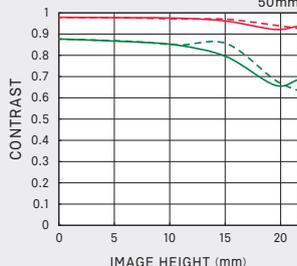
\*The length of a lens is measured from the filter surface to its mount.

### Lens Construction

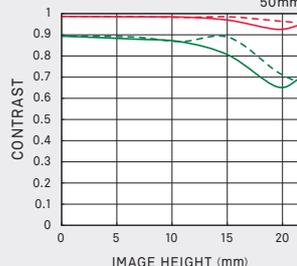
□ Aspherical lens



### Diffraction MTF



### Geometrical MTF



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

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

### Available AF mount

- L-Mount: 0085126 316693
- Sony E-mount: 0085126 316655

\*The appearance and specifications of the products are subject to change.  
\*L-Mount is a registered trademark of Leica Camera AG.  
\*Sony E-mount lenses are developed, manufactured and sold in accordance with the E-mount specifications licensed under a license agreement with Sony Corporation.

### Lens Appearances

Note: Appearance varies slightly by mount types.



### Product Information

