

SIGMA

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SIGMA

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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. 2022.08

A Art
20mm F1.4 DG DN



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20mm F1.4 DG DN



Designed exclusively for full-frame mirrorless cameras

An Art level 20mm F1.4.
The ultimate lens for astrophotography.

The 20mm F1.4 DG DN | Art is a mirrorless version of the 20mm F1.4 DG HSM | Art; the one and only lens* with its unique specification of maximum aperture of 1.4 and an ultra-wide angle of 20mm. This lens offers photographers overwhelming optical performance and unlimited potential for ultra wide-angle creativity at a compact size. The F1.4 brightness and the breathtaking sharpness across the entire image even at maximum aperture make this lens the ultimate choice for astrophotography. In nightly darkness and focused to infinity, the lens captures stars in the sky as clear, precise pinpoints of light. State-of-the-art optical design and the large, high-precision double-sided aspheric glass front element made it possible to add a front filter thread without any compromises regarding optical performance or size. The addition of other features such as a rear filter holder and a variety of useful switches further increases the creative possibilities and easy usability of the lens. Its incredible sharpness and very bright aperture, coupled with the compact body and thoughtful features, make this lens the ultimate choice for astrophotography and an ideal companion for any photographically demanding situation.

*As an AF interchangeable lens for mirrorless cameras that covers 35mm full-frame (As of August 2022, by SIGMA)

More on our new product lineup:

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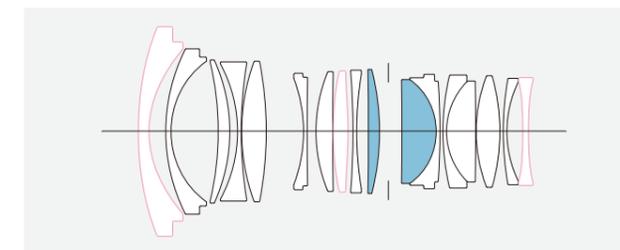
Principal features

Highest optical performance on a new level

The SIGMA 20mm F1.4 DG DN | Art delivers exceptionally detailed results that easily satisfy the high demands of professional photography and other high-end applications. With 17 glass elements arranged in 15 groups, including two SLD, three aspherical glass elements and the largest class double-sided aspherical glass element in SIGMA's history, the 20mm F1.4 DG DN | Art rigorously suppresses various optical aberrations such as sagittal coma flare or image distortion to produce highly-detailed images with exceptional sharpness and accuracy from the center to the furthest corners, allowing photographers to make use of the entire field of view afforded by its ultra-wide viewing angle. This ultimate astrophotography lens is the culmination of the unparalleled manufacturing technology of SIGMA's sole production base in Aizu, Japan, as well as the company's know-how and experience with large-aperture wide-angle lenses, such as the SIGMA 20mm F1.4 DG HSM | Art, the SIGMA 14mm F1.8 DG HSM | Art and the SIGMA 14-24mm F2.8 DG DN | Art.



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■ SLD glass ■ Aspherical lens

Designed for perfect results even in the most demanding conditions

SIGMA's outstanding design and high-precision manufacturing capabilities made it possible to equip the SIGMA 20mm F1.4 DG DN | Art with a front filter thread despite its very large F1.4 aperture and 20mm ultra-wide viewing angle. The lens also comes with a rear filter holder, allowing photographers the freedom to combine multiple filters to suit a huge variety of shooting situations for near-unlimited creative potential at an ultra-wide viewing angle—for example, using a front filter to reduce light pollution and a softening filter on the rear to take impressive photographs of nightly landscapes with star-filled skies. The new MFL (Manual Focus Lock) switch to turn off the focus ring makes it easier to concentrate on the shoot without worrying about accidentally changing the focusing distance. Further, the lens also equips a lens heater retainer, meaning that lens heaters used to prevent internal condensation as the temperature drops on longer night shoots will stay securely attached to the barrel without protruding into the image and causing unsightly vignetting. With its brilliant optical power and its full range of useful features despite its compact and lightweight body, the SIGMA 20mm F1.4 DG DN | Art is the ultimate choice when photographing the night sky.

Superb build quality and usability with uncompromising attention to detail

Its dust- and splash-resistant structure*1 and the water- and oil-repellent coating on the front glass element make the 20mm F1.4 DG DN | Art safe to use during outdoor shoots, especially during the night. Thoughtful features such as a focus mode switch, a customizable AFL*2 button, and an aperture ring lock switch enhance the lens usability. An aperture ring click switch can be used to turn the aperture ring click on and off, allowing photographers to enjoy the sound and feel of the click, as well as smooth aperture operation during video recording. The robust body is built from a combination of aluminum and Thermally Stable Composite (TSC), giving it a sleek finish, and the included petal-shaped lens hood is equipped with a lock mechanism to keep the hood securely fastened to the lens, and the rubberized grip area makes attaching and removing the hood a quick and easy process. Manufactured in Japan with an uncompromising approach towards every single detail, this lens offers photographers an exceptional experience with high-end results even in the most difficult conditions.

*1 Although this construction allows the lens to be used in light rain, it is not the same as being waterproof.

*2 Only on compatible cameras. Available functions may vary depending on the camera used.

Lens Appearance

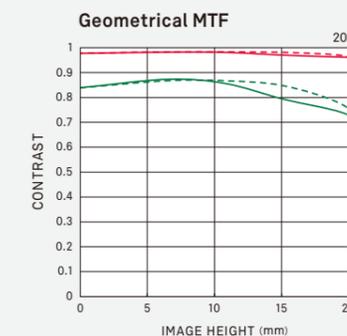
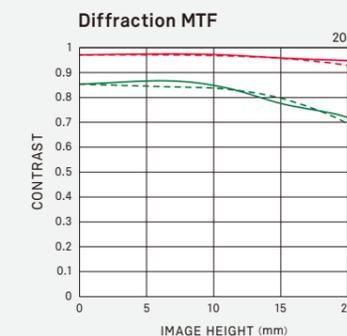
Note: Appearance varies slightly by mount types.



Specifications *These figures are for L-Mount.

Lens construction	15 groups, 17 elements (2 FLD and 3 aspherical lenses)
Angle of view (APS-C)	94.5°
Number of diaphragm blades	11 (rounded diaphragm)
Minimum aperture	F16
Minimum focusing distance	23cm / 9.1in.
Maximum magnification ratio	1:6.1
Filter size	ø82mm
Maximum dimensions × length	ø87.8mm × 111.2mm / ø3.5 × 4.4in.
Weight	635g / 22.4oz.

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



Available AF mount ● L-Mount: 0085126 414696 ● Sony E-mount: 0085126 414658

Case, Petal-type lens hood with lock (LH878-04), Guide Plate (GP-21) supplied.

*L-Mount is a registered trademark of Leica Camera AG. *Appearance and specifications 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.

Spatial frequency S M S: Sagittal line M: Meridional line
10 lines / mm --- ---
30 lines / mm --- ---
All values are at wide-open aperture.