

EXCLUSIVELY FOR MIRRORLESS CAMERAS | COMPATIBLE WITH FULL-FRAME CAMERAS

January 2023

S Sports**60-600mm F4.5-6.3 DG DN OS****The world's only full-frame 10x ultra-telephoto zoom for mirrorless cameras**

1. Outstanding optical performance
2. All-new ultra-fast AF motor
3. Improved Optical Stabilizer
4. Advanced feature-set designed for professional use

UK SRP: £1999.99 (US: \$1999)**Embargo date: 12pm, 12 January 2023****On-sale date: 17 February 2023****Supplied accessories:** Case, Hood (LH1144-02), Cover Lens Cap (LC-740E), Shoulder Strap, Tripod Socket (TS-121), Front Cap (LCF-105 III), Rear Cap (LCR II)**Available mounts:** L-Mount, Sony E-mount

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

#SIGMA #SIGMA60-600mmSports #SIGMASports #SIGMADGDN

The new 60-600mm F4.5-6.3 DG DN OS | Sports is the world's first and only* 10x ultra-telephoto zoom for mirrorless cameras. It offers outstanding image quality, a dust- and splash-proof construction, a newly-developed focus motor for lightning-fast AF, and improved stabilisation that offers up to 7 stops advantage hand-held. The lens is the perfect option for professional sports, wildlife, motor sport and aviation photographers who need a high performance, rugged and versatile tool that can quickly adapt to suit fast-changing shooting situations.

* As an interchangeable lens exclusively for mirrorless, as of December, 2022 by SIGMA

Key features

Outstanding optical performance

The SIGMA 60-600mm F4.5-6.3 DG DN | Sports delivers exceptional optical quality capable of meeting the demands of professional fast-action photographers and film-makers. The lens is constructed with 27 elements in 19 groups. This includes 2 FLD and 3 SLD elements, which is high performance glass designed to help correct chromatic aberration, an optical issue often visible on ultra-telephoto lenses. The lens delivers edge-to-edge sharpness across the entire zoom range and at all apertures.

The minimum focusing distance is 45cm at the wide end, and at 200mm the lens offers a maximum magnification ratio of 1:2.4, allowing users to capture highly detailed macro-style shots, adding to its overall versatility.

All-new ultra-fast AF motor

The 60-600mm F4.5-6.3 DG DN OS | Sports is the first Sigma lens to be fitted with the company's newly developed High-response Linear Actuator motor (HLA). This high-output AF motor with advanced electronic control delivers a very quiet autofocus performance with unparalleled speed and precision.

The new motor also enables exceptional focus-following performance, which is an important feature for fast-action photographers where the perfect shot can come and go in a split second.

Improved Optical Stabilizer

The lens' in-built Optical Stabilizer (OS) function employs Sigma's newly developed OS2 algorithm. This significantly improves image stabilisation performance, giving an incredible 7-stop advantage at the wide end and a 6-stop advantage at the telephoto end. This allows photographers to achieve sharp results when working hand-held in lower light conditions.

The OS function has two modes. Mode 1 is ideal for general shooting, and Mode 2 is designed for panning, which makes it ideal for tracking moving subjects such as vehicles, aircraft and birds. Mode 2 works by combining an acceleration sensor with Sigma's Intelligent OS software to enable effective stabilisation except in the panning direction, giving a smoother viewfinder image and easier tracking.

Advanced feature-set designed for professional use

Part of Sigma's Sports line of lenses the 60-600mm F4.5-6.3 DG DN OS | Sports comes equipped with a range of professional-grade features designed for professional use. Manufactured at Sigma's sole production base in Aizu in Japan, the 60-600mm has a very high quality construction that combines robustness with a high level of precision and attention to detail.

The lens features a multi-material structure that includes magnesium, CFRP*1, and TSC*2, which are optimally arranged according to their characteristics. As a result, the lens barrel is lighter in weight than Sigma's existing 60-600mm, while retaining the same robustness, providing high versatility for a wide variety of environments.

To offer photographers both speed and accuracy when focusing, the lens features Dual Action Zoom, where zooming in and out is possible either by rotating the zoom ring or simply by pushing or pulling the end of the lens. This allows photographers to adapt quickly to fast-changing scenes. A zoom lock switch is built in to the lens to stop zoom creep.

Equipped with a Focus Limiter switch, users can limit the focus range during AF for more precise results. Three AFL buttons on the body of the lens can be customised to a wide range of preferred functions via the camera menu*4. The AFL buttons are easy to operate regardless of how the camera is oriented or which settings are used. On the L-Mount version, the SIGMA USB DOCK UD-11 can be used to set OS operation or the focus limiter range.

The lens body incorporates an Arca Swiss-compatible magnesium alloy tripod socket. The leg can be removed and replaced with other interchangeable tripod sockets (sold separately). A lens hood is included and equipped with a lock mechanism. A rubber grip makes it easier to attach and remove the hood and zoom in and out using push-pull zoom.

The L-Mount version of the lens is compatible with the SIGMA TELE CONVERTER TC-1411 (1.4x) and TC-2011 (2.0x), allowing AF-enabled shooting at ultra-telephoto focal lengths of up to 1200mm.

The mount connection, manual focus ring, zoom ring, switches, switch panel and exterior connection are all dust and splash resistant*3 to prevent dust and dirt from entering the lens. In addition, the front element features a water- and oil-repellent coating to make the element easier to clean when it gets wet or dirty.



SIGMA 60-600mm function control layout

- 1 Customisable AFL button (one of three)
- 2 Zoom Lock switch
- 3 Tripod foot orientation adjustment
- 4 Focus Mode switch
- 5 Focus Limiter switch
- 6 Two-mode Optical Stabilizer switch
- 7 Custom Mode switch

*1 Carbon Fiber Reinforced Plastic, a light but strong material used in the interior and exterior fittings of aircraft, among many other applications.

*2 Thermally Stable Composite, a polycarbonate with a thermal expansion rate similar to that of aluminium. Its high affinity to metal parts contributes to high manufacturing quality standards.

*3 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.

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

Feature summary

- Lens construction: 27 elements in 19 groups, with 2 FLD and 3 SLD elements
- OS (Optical Stabilizer) function
- Internal focus system
- Compatible with high-speed autofocus
- HLA (High-response Linear Actuator) AF system
- Compatible with Lens Aberration Correction
 - Function available on supported cameras only. Available corrections and auto correction functionality may vary depending on the camera model.
 - On cameras where lens aberration correction is controlled with 'ON' or 'OFF' in the camera menu, please set all aberration correction functions to 'ON' (AUTO).
- Support for DMF and AF+MF
- Compatible with AF Assist (Sony E-mount only)
- Super Multi-Layer Coating
- Nano Porous Coating
- Water- and oil-repellent coating
- Focus Mode Switch
- Lens Heater Retainer
- Aperture Ring
- Aperture Ring De-click Switch
- Aperture Ring Lock Switch
- AFL Button
 - Only on compatible cameras. Available functions may vary depending on the camera used.
- Focus Limiter switch
- Focus Mode switch
- OS switch
- Custom Mode switch
- Zoom Lock switch
- Lockable lens hood (LH1144-02)
- Dust- and splash-resistant structure
- Tripod Socket TS-121 (replaceable lens foot type) with orientation adjuster
- Compatible with SIGMA USB DOCK UD-11 (sold separately; L-Mount only)
- Designed to minimise flare and ghosting
- 9-blade rounded diaphragm
- High-precision, durable brass bayonet mount
- 'Made in Japan' craftsmanship
- Every single lens is evaluated with Sigma's proprietary MTF measuring system

Key specifications (The figures below are for L-Mount)

Lens construction: 27 elements, 19 elements (2 FLD and 3 SLD elements)

Angle-of-view: 39.6-4.1°

Number of diaphragm blades: 9 (rounded diaphragm)

Minimum aperture: F22-32

Minimum focusing distance: 45-260cm

Maximum magnification ratio: 1:2.4 (at 200mm focal length)

Filter size: ϕ 105mm

Dimensions (max diameter x length): ϕ 119.4mm x 279.2mm

Weight: 2,495g

Barcode

L-Mount: 0085126 732691 | Sony E-mount: 0085126 732653

Supplied accessories

Front Cap LCF-105 III

Cover Lens Cap LC-740E

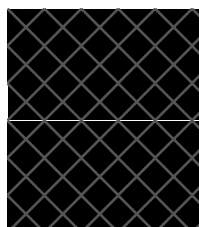
Hood LH1144-02

Tripod Socket TS-121 (replaceable)

Rear Cap LCR II

For L-Mount

For Sony E-mount



Optional accessories

SIGMA TELE CONVERTER TC-1411 for L-Mount

SIGMA TELE CONVERTER TC-2011 for L-Mount

SIGMA USB DOCK UD-11 for L-Mount

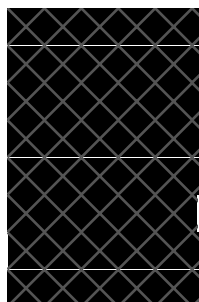
SIGMA WR CERAMIC PROTECTOR 105mm

SIGMA WR PROTECTOR 105mm

SIGMA PROTECTOR 105mm

SIGMA WR UV FILTER 105mm

SIGMA WR CIRCULAR PL FILTER 105mm



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Contact | matt@sigma-imaging-uk.com