

PRESS RELEASE

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Introducing the OM SYSTEM OM-1 Interchangeable Lens Camera with a new Stacked BSI Live MOS sensor and Cross Quad Pixel AF

The New OM SYSTEM Flagship Model Revolutionises Emerging Technology and Newly Developed Devices



OM SYSTEM OM-1



OM SYSTEM OM-1 + OM SYSTEM 12-40mm PRO II

SYDNEY, February 15, 2022 – OM Digital Solutions Australia is pleased to announce the introduction of the OM SYSTEM OM-1.

This Micro Four Thirds System standard interchangeable lens camera features a compact, lightweight design for superior mobility along with high image quality. It is scheduled to go on sale early March 2022. As the OM SYSTEM flagship camera, this model will deliver a one-of-a-kind experience to customers, driving the desire for photographers to create. This interchangeable lens camera delivers inspiration in a lightweight design that users can take along anywhere to capture the precise photos they have in mind.

“Being the first major launch for OM Digital Solutions, the OM-1 along with the newly announced lenses shows the company’s commitment towards the future of the imaging industry. Today, in Australia, more content is being created than ever before, and the OM-1 provides an extremely strong proposition for the photographers, especially in the outdoor space.

Our aim has always been to help the photographers to create by capturing the key moments, and the flagship OM-1 with industry-leading features and such portable size and form factor precisely delivers on that objective.”

Vivek Handoo – Managing Director, OM Digital Solutions Australia

OM SYSTEM OM-1 KEY BENEFITS

- Compact and lightweight camera body meets IP53 dust- and splashproof standard.
- Freezeproof up to -10°C
- New TruePic X Image processor – up to 3x faster processor power
- Highspeed sequential shooting (up to 50 fps C-AF, up to 120 fps S-AF)
- AI detection AF (Improved subject detection)
- 1053 Phase detection Cross Quad Pixel AF
- Up to 8EV steps image stabilisation
- Backside illuminated Quad Pixel Bayer pattern stacked CMOS sensor
- 5,76M dots, Blackout free view finder
- Enhanced video functions for creators (4K 60p, Full HD 240p)

The OM SYSTEM OM-1 is the culmination of new devices and cutting-edge digital technologies, delivering high image quality that goes beyond the expectation of the sensor size. It also features autofocus and sequential shooting performance that far surpasses conventional models, and dramatically improves basic performance. We have incorporated computational photography technology at an early stage, empowering the photographer to utilise such features as Live Composite and High Res Shot mode, without the need for advanced shooting techniques or special equipment or skills. The OM SYSTEM OM-1 features enhanced computational photography functions to deliver a rich range of expressive power for more photographic opportunities than ever before.

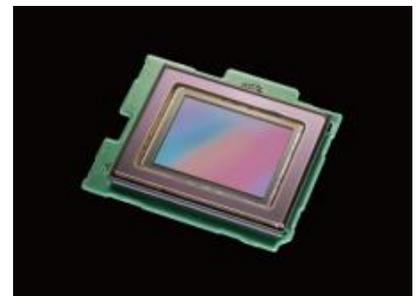
Thanks to the superb mobility of the Micro Four Thirds system, the OM SYSTEM OM-1 can be taken anywhere at any time, allowing anyone to take advantage of its high performance to capture versatile imaging expressions with high image quality. This is the next generation Micro Four Thirds camera brought to you by OM SYSTEM.

MAIN FEATURES:

1. High image quality that goes beyond the expectations of the sensor size

This model features a high-end compact, lightweight body unique to OM SYSTEM, including the new 20 Megapixel¹ Stacked BSI Live MOS sensor, and the latest TruePic X image processor, which is three times faster than previous models. The OM SYSTEM OM-1 delivers high image quality that goes beyond the expectations of the sensor size. Not only does it take full advantage of high-resolution M.Zuiko Digital lens performance, delivering our highest ever resolution², but new noise processing technology increases the maximum normal sensitivity to ISO 25600, and an expanded maximum sensitivity to ISO 102400. Furthermore, the dynamic range has been improved thanks to the latest image processing technology. These improvements deliver a richer range of tonal expressions than ever before, from shadows to highlights.

The OM SYSTEM advantage of high-performance image stabilisation delivers up to 8.0 steps³ of compensation with 5-axis sync IS, and up to 7 steps⁴ with the body alone. The new Handheld Assist feature makes it easy to capture slow shutter speed effects that previously required a tripod.



20 Megapixel Stacked BSI Live MOS sensor

2. Computational photography functions that empower the photographer to further expand the realms of their imaging expressions

Photographic expressions that have traditionally required special equipment and a computer to composite images are available in the OM SYSTEM OM-1. Thanks to the computational photography (the advanced digital image processing) technology, we have adopted these features as shooting features on this interchangeable lens camera at an early stage. The OM SYSTEM OM-1 uses a combination of the new TruePic X image processor, the new image sensor, and the latest digital technologies to make computational photography features better and even easier to use. When paired with high-performance M.Zuiko PRO lenses, the system makes it possible to capture a greater range of imaging expressions only possible with the OM SYSTEM OM-1.



TruePic X image processor

- High Res Shot

The processing time has been significantly reduced (Handheld High-Res Shot: approx. 5 seconds to merge) for 50 MP Handheld High Res Shot, popular for landscape photos because of its ability to capture high-resolution approximately 50 Megapixel images by merging multiple images; and Tripod High Res Shot, which creates ultra-high-resolution approximately 80 Megapixel images. Composite processing technology reduces noise by approximately 2 steps for an amazingly high pixel count and low noise. A dedicated button is also included on the camera to quickly switch between normal shooting and Handheld High-Res Shot/Tripod High Res Shot for improved usability.

- Live ND

Achieve slow shutter speed effects like those using ND filter up to ND64 (6 steps) (ND2 - ND64). When LV Simulation is activated, you can check the slow shutter speed effects in the viewfinder and on the LCD monitor before shooting and achieve the same effects on ultra-wide-angle lenses that cannot accommodate an ND filter.

- Live Composite

In this setting, Lighten Composite is used to add only the brighter sections to the composite image to prevent the common problem of images that are too bright overall when shooting long exposures, resulting in beautiful Lighten Composite photos with plenty of variation. This feature is now compatible with image stabilisation and can be used during handheld shooting.

- Focus Stacking

This feature alters the focus to capture and composite multiple shots for recording photos that are in focus from the foreground to background. The compositing time has been dramatically reduced for easier usage.

- HDR Shooting

Multiple images at differing exposures are merged to create one shot with a wide dynamic range, including highlights and shadows.

3. High-speed performance of newly developed autofocus and dramatically improved performance for maximum 50 fps⁵ sequential shooting with AF/AE tracking

A quad-division photo diode configuration allows for On-chip Phase Detection in both vertical and horizontal directions. 1,053-point, all cross-type, **the world's first**¹³ Cross Quad Pixel AF is utilised to focus on various patterns of subjects across all pixels and the entire shooting range. The high-speed calculation capabilities of the new TruePic X processor and the new AF algorithm enable high-speed, high precision focusing on the subject no matter where it is in the frame. Furthermore, this model is equipped with AI Detection AF, which was developed using deep learning technology. In addition to greater than ever high-speed, high-precision subject recognition and tracking, this model can recognise formula cars, motorcycles, airplanes, helicopters, trains, and birds, as well as animals (dogs and cats). In addition to C-AF, this functionality is also supported with S-AF for shooting a wider variety of scenes. The detection precision, tracking performance, and responsiveness of Face Priority/Eye Priority AF have been improved significantly.

There have also been exponential improvements to sequential shooting performance, reaching up to 50 fps blackout free AF/AE tracking at approximately 20.37 Megapixel, and up to 120 fps AF/AE locked ultra-high-speed sequential shooting. When using Pro Capture, which is designed for capturing shots that are not possible during normal shooting, you can enjoy sequential shooting up to 50 fps (AF/AE tracking) and up to 120 fps (AF/AE locked).



AI Detection AF

4. Camera body features enhanced dustproof and splashproof performance, along with a high-speed, high-resolution electronic viewfinder

The dustproof and splashproof performance is achieved by including sealing materials at the appropriate locations on the tough, lightweight magnesium alloy body, ensuring IP53 dustproof and splashproof protection class⁶, and freezeproof performance to -10°C. Because this model is compact, lightweight, and features dustproof and splashproof performance, it makes for a powerful ally when shooting in punishing environments. We were particular about ensuring optimal viewfinder performance, as it affects shooting comfort. This high-performance EVF is equipped with approximately 5.76 million dot resolution, a viewfinder magnification of up to 1.65x, a display delay of 0.005 seconds⁷, and 120 fps high-speed display performance. Not only does it feature all the best facets of an optical viewfinder, but it also offers the advantages of a digital viewfinder, making it possible to view subjects and check exposure, even in dark locations. The menu screen configuration has been completely redesigned on the OM SYSTEM OM-1. Items have been split, merged, and reclassified, and descriptions have been simplified to make it easier to find the desired functions, and make changing settings easier for first-time users.



High weather-resistant performance
(Splashproof testing)

5. Enhanced video functions for creators (10bit 4K 60p, Full HD 240p)

Stable handheld video recording is possible thanks to the compact, lightweight body and industry-leading image stabilisation. Creative video functions include 4K 60p for smooth, high-definition videos, and high-speed movie with Full HD videos at a maximum 240p. The camera also supports H.264 (8bit), H.265 (10bit), and Multi Frame Rate for recording video clips over 30 minutes in length. In addition to RAW data output up to 12 bit 4:4:4 to external devices for advanced post-production tasks, the OM SYSTEM OM-1 supports OM-Log for a greater level of freedom over imaging expressions thanks to color grading, which allows users to capture highlights and shadows without overexposing or underexposing shots. The new HLG (Hybrid Log Gamma)⁸ video picture mode has been added for easier HDR video recording.

Other Features

- Reliable SSWF (Supersonic Wave Filter) dust reduction system that vibrates at a speed of more than 30,000 times per second to instantly remove dirt and dust from the image sensor
- Highly durable shutter unit that clears 400,000 shutter actuations (according to in-house testing conditions)
- Staggered layout UHS-II compatible dual SD card slots make it easier to remove recording media
- Five rating categories within the on-camera rating system
- Night view mode makes it possible to view subjects even in dark environments
- Starry Sky AF makes focusing on stars easier than ever
- Record shooting location information with minimal power drain (smartphone connection)
- Equipped with an independent AEL button and AF-ON button

DETAILED PRODUCT SPECIFICATIONS FOR OM SYSTEM OM-1

Product specifications are subject to change without notice. For the latest specifications please check <https://olympus-imaging.com.au/product/dslr/om1>

PRICING & AVAILABILITY: OM SYSTEM OM-1 (Body Only)

RRP: \$3299 AUD / \$3599 NZD

Availability: early March 2022

HLD-10, Power Battery Holder (sold separately)

This power battery holder designed exclusively for the OM SYSTEM OM-1 offers the same controls in the vertical position as the horizontal position. It offers IP53 dustproof and splashproof construction when paired with the OM SYSTEM OM-1. When two BLX-1 Lithium-Ion Rechargeable Batteries in the camera and the HLD-10 are used together, approximately 1,000 shots (based on CIPA tests) can be captured. When attached to the OM SYSTEM OM-1, the BLX-1 Lithium-Ion Rechargeable Battery can be charged⁹ inside the HLD-10.

RRP: \$549 AUD / \$599 NZD

Availability: early March 2022

RM-WR1, Wireless Remote Control (sold separately)

This wireless remote-control features IP57¹⁰ dustproof and splashproof construction, enabling remote shooting (communication range: within 5 m of the camera body) in any kind of environment, when paired with the OM SYSTEM OM-1. It enables remote shutter release, control of autofocus, image display control between still images and videos, as well as release lock during long exposures. This power saving design is achieved using Bluetooth[®] Low Energy communication. It can be used to start and stop video recording and connects with the included cable for wired remote use. The RM-WR1 can also be used as a wired remote control when connected using the cable included with Micro Four Thirds camera models³ equipped with a compatible remote cable terminal, such as the Olympus OM-D E-M1X and the Olympus OM-D E-M1 Mark III.

RRP: \$139 AUD / \$149 NZD

Availability: early March 2022

BLX-1 Lithium-Ion Rechargeable Battery (bundled/sold separately)

This is a high-capacity, 2,280 mAh lithium-ion battery. It can be recharged approximately 500 times.

RRP: \$149 AUD / \$159 NZD

Availability: late March 2022

BCX-1 Battery Charger (sold separately)¹¹

This dedicated charger can simultaneously charge two BLX-1 Lithium-Ion Rechargeable Batteries. Batteries are fully charged in approximately 150 minutes. Because the battery is compatible with the USB Power Delivery standard, it can be charged with a power bank (9V/3A output).

RRP: \$199 AUD / \$219 NZD

Availability: late March 2022

APPLICATIONS/SOFTWARE FOR SHOOTING AND EDITING SUPPORT

OM Image Share smartphone app (OI.Share)

This smartphone app is used to connect to the camera via Wi-Fi, transfer images and shooting data, and perform remote operations. On the OM SYSTEM OM-1, OI.Share can be used to update the firmware on the camera body and backup/restore camera settings.

OM Workspace v2.0 image editing software

This image editing software includes advanced RAW processing and editing features. It boosts the abilities of the USB RAW Data Edit feature on the OM SYSTEM OM-1 and enables editing such as tone curve and Dehaze adjustments in addition to processing settings that can be applied on the camera. AI Noise Reduction has been added for RAW processing. When applied to RAW files captured on a supported camera¹² for processing, it helps generate clearer images.

ABOUT OM DIGITAL SOLUTIONS CORPORATION

OM Digital Solutions Corporation is a leading provider of award-winning digital imaging and audio solutions, noted for its precision optics and groundbreaking technologies.

After being split from Olympus Corporation in 2021, OM Digital Solutions was newly formed to infuse its imaging heritage of 85 years – including its technologies, products, services, and brand legacy – into a new agile company, unleashing the full potential of its business.

Today, OM Digital Solutions develops best-in-class products that challenge the boundaries of product design and functionality, fulfilling the needs of consumers and professionals alike.

For questions or additional information, please contact:

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- 1 Number of effective pixels: Approx. 20.4 Megapixel. Total number of pixels: Approx. 22.9 Megapixel.
- 2 As of 15.02 2022. On a comparison with OMDS interchangeable lens cameras. According to our in-house research.
- 3 Lens used for 8.0 step image stabilisation: M.Zuiko Digital ED 150-400mm F4.5 TC1.25x IS PRO, focal length: f=150mm (35mm equivalent focal length: f=300mm), halfway release image stabilisation OFF, frame rate: high speed, CIPA standard compliant, when correction is carried out on two axes (yaw/pitch)
- 4 Lens used for body only 7.0 step image stabilisation: M.Zuiko Digital ED 12-40mm F2.8 PRO, focal length: f=40mm (35mm equivalent focal length: f=80mm), CIPA standard compliant, when correction is carried out on two axes (yaw/pitch)
- 5 When using a compatible lens. Please see product website for details.
- 6 When paired with a dustproof and splashproof lens (according to lens standard). This does not apply during charging or HDMI connection.
- 7 When 120 fps high-speed frame rate is selected.
- 8 An HLG-compatible monitor is required for HDR video playback.
- 9 The BLX-1 Lithium-Ion Rechargeable Battery cannot be charged in the HLD-10 alone.
- 10 When using wireless connection. IP51 when using wired connection via cable.
- 11 This product does not include F-7AC USB-AC Adapter, CB-USB13 USB Cable, or BLX-1 Lithium-Ion Rechargeable Battery. Please use the accessories included with the OM SYSTEM OM-1.
- 12 Supported Cameras: OM SYSTEM OM-1, E-M1 Mark II, E-M1 Mark III, E-M1X, E-M5 Mark III. Additional programs and supported data must be downloaded.
13. World's first implementation at Feb 2022