EOS R SYSTEM

Canon

Delighting You Always

EOS R3

FULL-FRAME MIRRORLESS

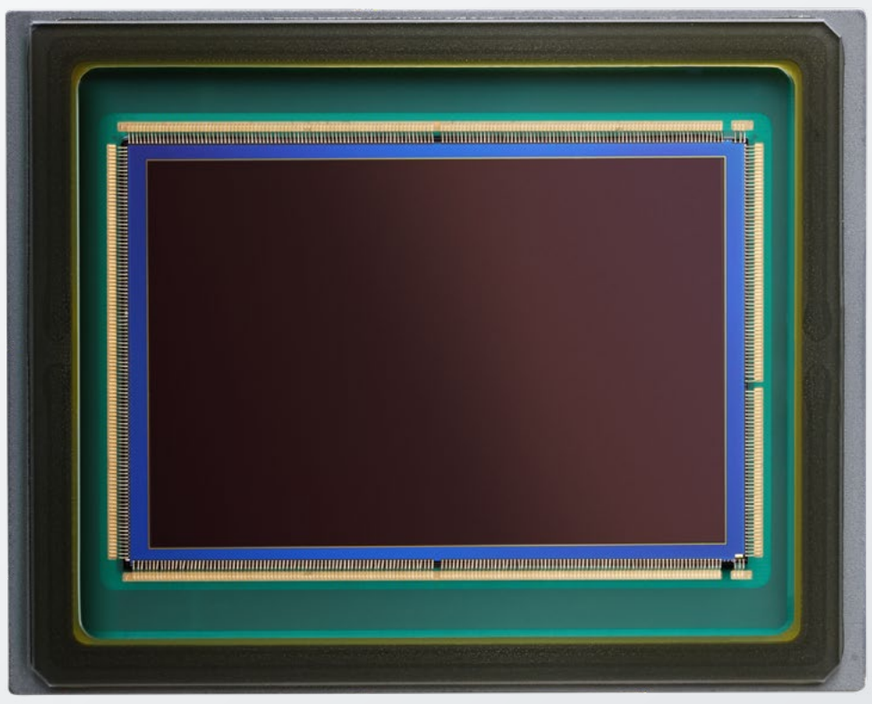
THE REIGN CONTINUES

CONTENT

01

IMAGE QUALITY

- Approx. 24.1-Megapixel Full-Frame CMOS Sensor
- DIGIC X Image Processor
- High Dynamic Range (HDR) PQ
- 3-Shot Composite HDR Mode
- Powerful In-Body Image Stabilization
- Superior Low-Light Performance
- Suppressed Rolling Shutter Distortion



FULL FRAME CMOS

24.1 MEGA PIXELS CMOS

Approx. 24.1-Megapixel Full-Frame CMOS Sensor

The EOS R3 spots a new back-illuminated stacked 35mm full-frame CMOS sensor with a resolution of approx. 24.1 megapixels. By utilising a stacked architecture, high-speed signal readout is achieved, powering many new functionalities which were previously not possible such as capturing brilliant, pin-sharp images in 14-bit RAW (with electronic shutter) at a blazingly fast frame frate.

DiG!C X

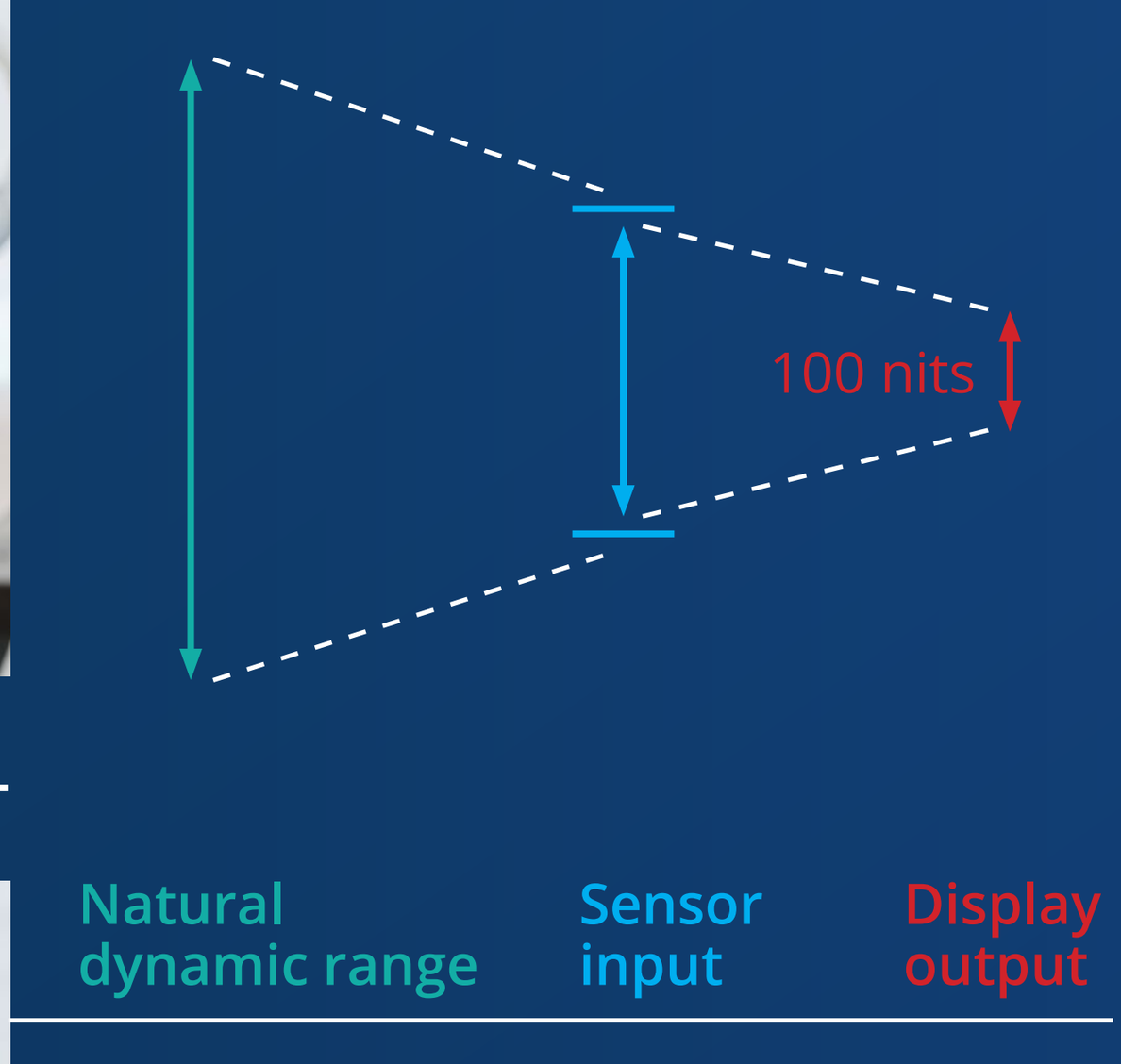
DIGIC X Image Processor

Powered by the DIGIC X image processor, the EOS R3 is able to calculate tremendous amount of information to achieve a perfect balance between precision, speed and performance, unleashing an all-new photography experience and camera performance.

High Dynamic Range (HDR) PQ

Capture images as true-to-life as possible with HDR PQ, a gamma curve that displays a wide dynamic range close to human eye perception. The HDR PQ HEIF records 10-bit colour depth in a similar file size as a JPEG but delivers the visual impact of a wider dynamic range with little need for post-processing. HDR PQ can be used in combination with Auto Lighting Optimizer and Highlight Tone Priority for additional gradation control.

One-shot **SDR**



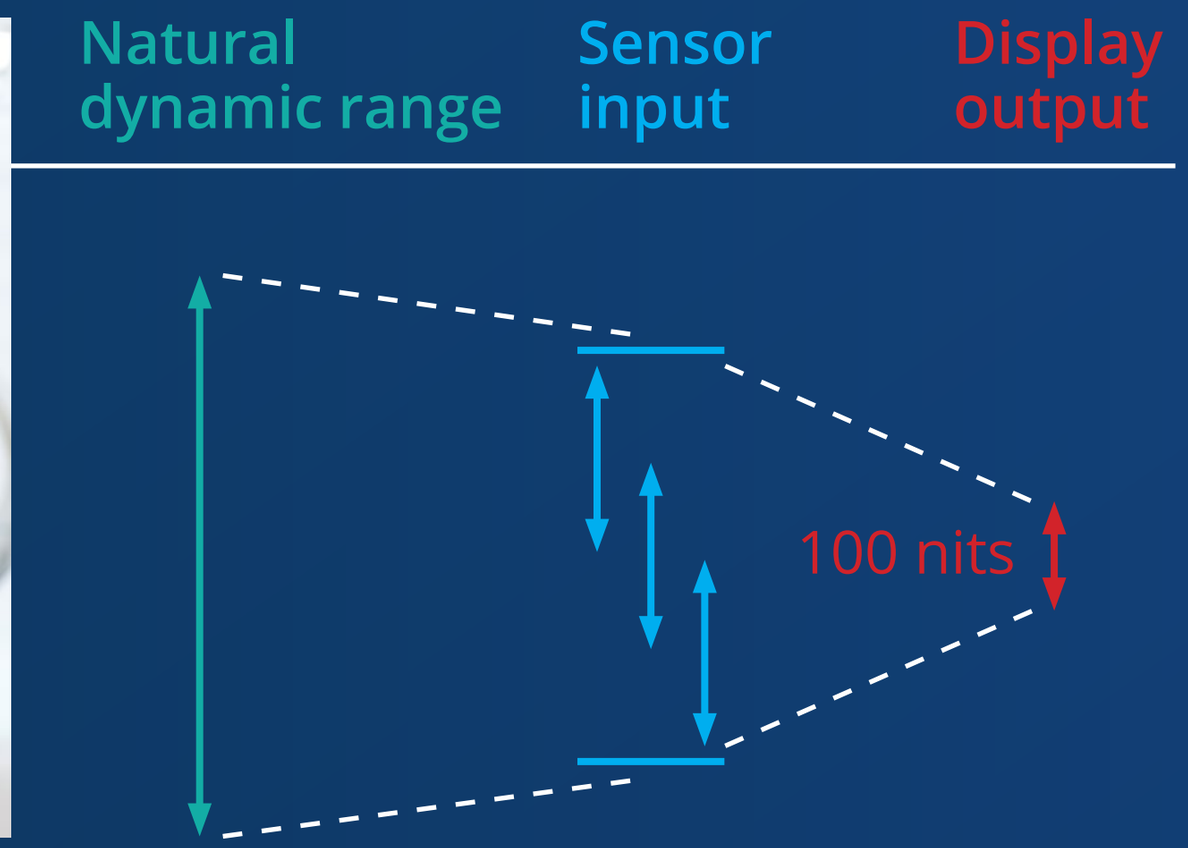
One-shot **HDR PQ**

3-Shot Composite HDR Mode

The 3-shot composite HDR mode composites three consecutive shots in as fast as 0.02 seconds*, including exposure compensation, with shifts between frames automatically adjusted, making it possible for handheld shooting. With the option to select HDR PQ, an image with even higher dynamic range (up to approx. 3000 nits) can be achieved compared to JPEG. Even in JPEG shooting, gradations in shadows and highlights are also improved compared to previous models.

*Shooting time may vary, depending on exposure settings. 0.02 seconds is the time taken to shoot the images (excluding compositing time).

3-shot composite **SDR**



3-shot composite **HDR PQ**

Powerful In-Body Image Stabilization

IN-BODY IMAGE STABILIZER × OPTICAL IMAGE STABILIZER

Offering the world's most effective image stabilisation*, the EOS R3 features the same 5-axis In-Body Image Stabilization (IS) mechanism as the EOS R5 and EOS R6. Combining the In-Body IS with selected RF lens equipped with Optical Image Stabilizer, the synchronised IS mechanisms deliver up to an astounding 8-stop increase in shutter speed. For non-IS lenses, up to 5.5-stop effectiveness can be achieved. This significantly expands the possibilities of photographic expression, allowing for handheld shooting at slow shutter speeds and shooting in places where the use of tripod is prohibited.

*Only applies to interchangeable-lens digital cameras commercially available as of 13 September 2021. The EOS R3 achieves a maximum image stabilisation effect equivalent to an 8-stop faster shutter speed (the same as the EOS R5 and EOS R6). Based on Canon's internal survey.

Superior Low-Light Performance

ISO 102400

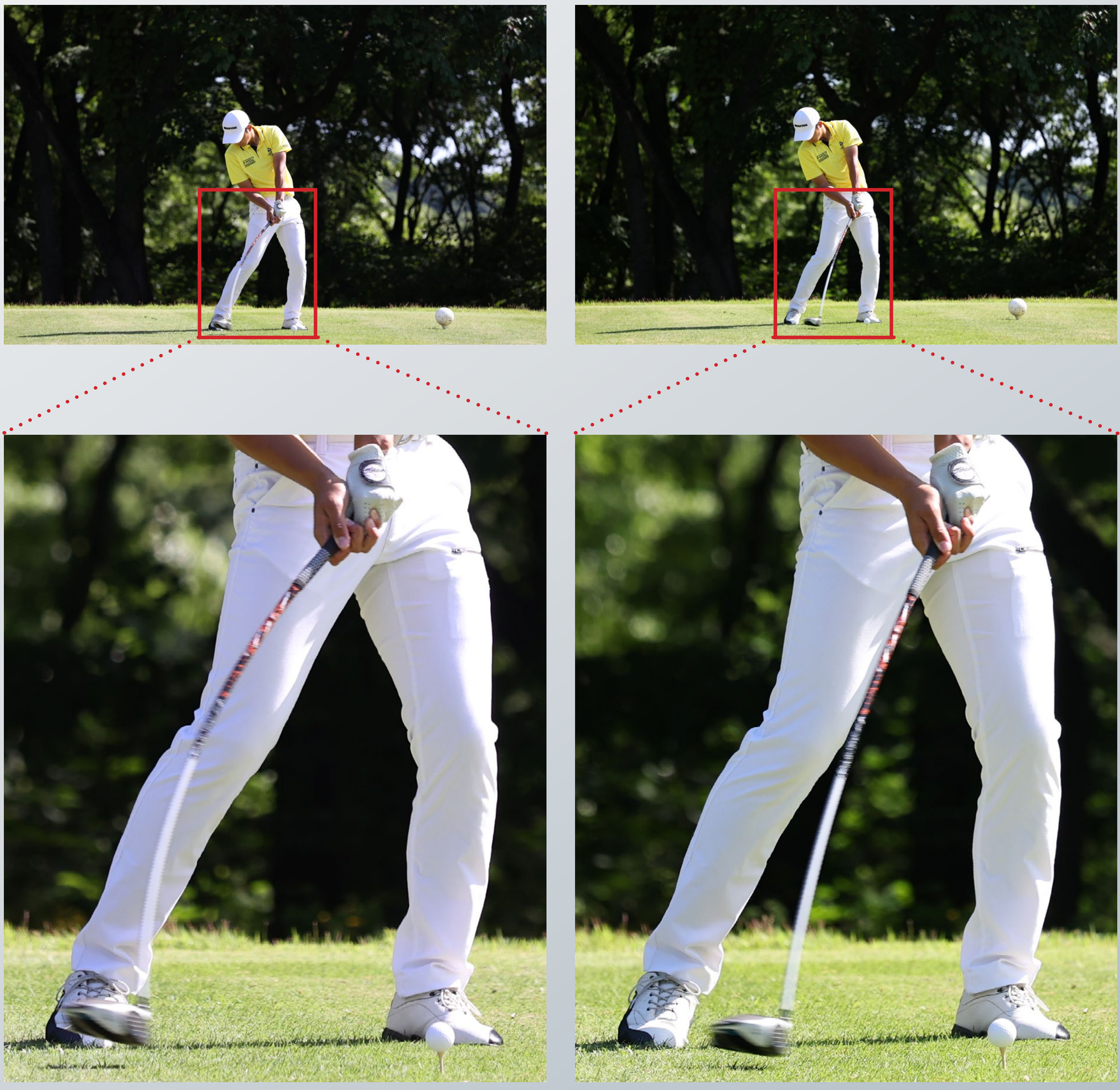
With default ISO speed of up to 102400 (expandable to L:50 and H:204800), the EOS R3 is capable of advanced noise reduction, delivering clean and well-defined images even in low-light situations.

EOS R3 · f/2.2 · 1/4000 sec · ISO 51200

Suppressed Rolling Shutter Distortion

A common phenomenon when shooting fast-moving subjects with a rolling shutter is that part of the frame may be blurred or distorted. With the back-illuminated stacked CMOS sensor working in tandem with the DIGIC X image processor, the high readout speed of the EOS R3 keeps the rolling shutter distortion to just 25% of what the EOS-1D X Mark III produces.

EOS-1D X Mark III | **EOS R3**



Rolling shutter effect is apparent in the warped curvature of the golf club. Noticeable (EOS-1D X Mark III - left); Suppressed (EOS R3 - right)

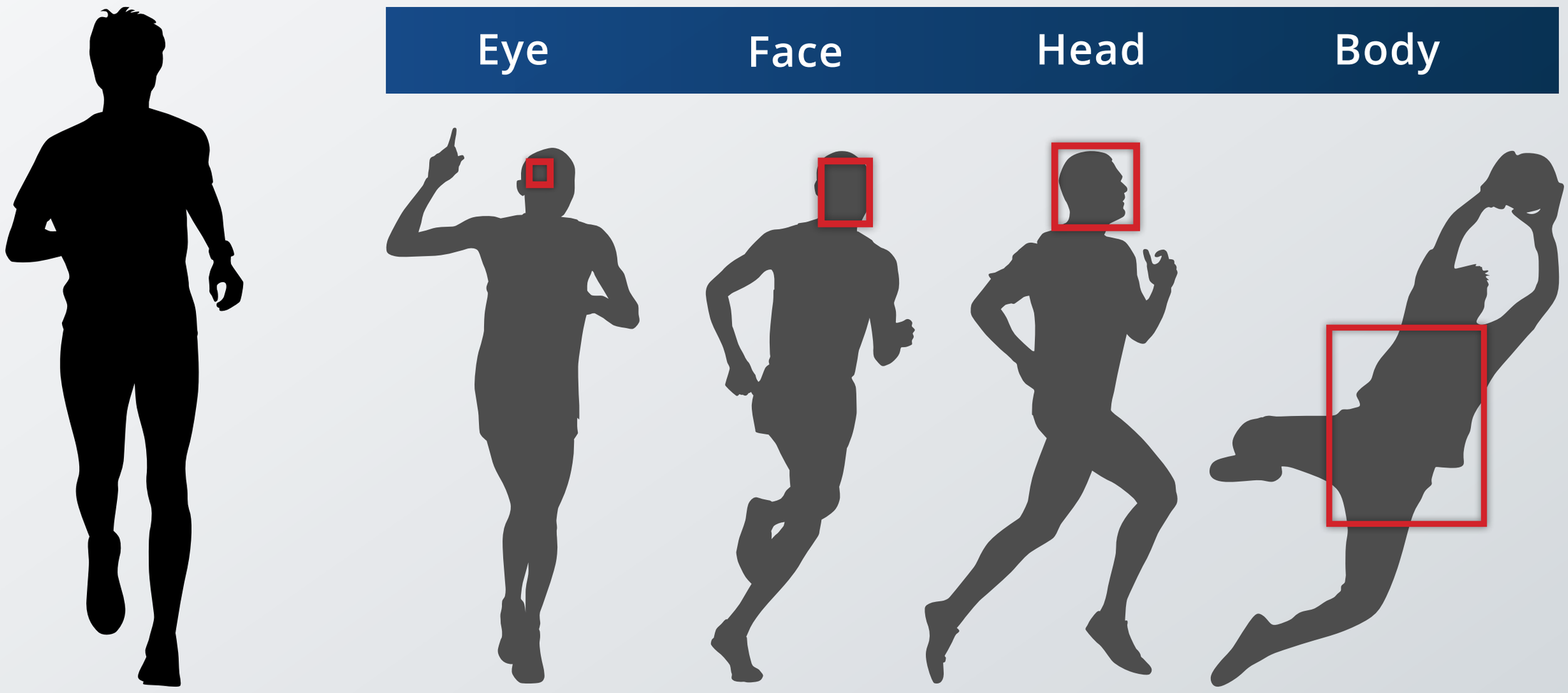
02

AUTOFOCUS CONTROL

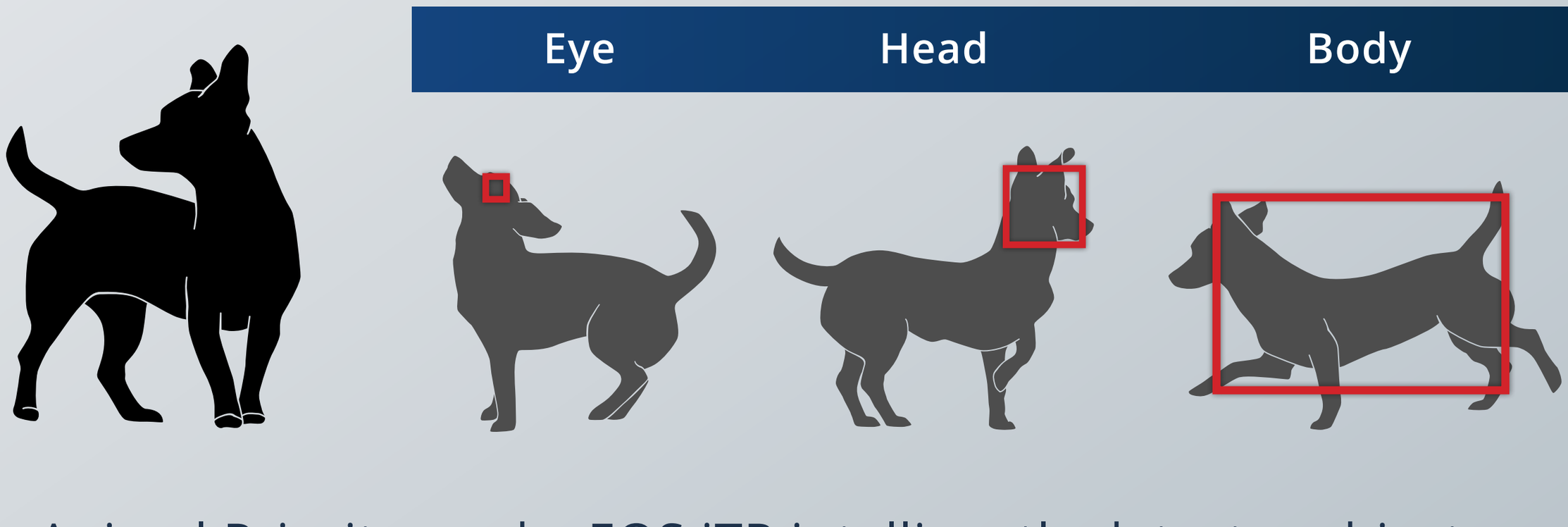
- EOS iTR (Intelligent Tracking & Recognition) AF
- Vehicle Priority AF
- Dual Pixel CMOS AF II
- Up to 60 fps AF Calculation and Tracking
- Eye Control AF
- Multiple AF Operation Interfaces
- EV -7.5 Low-Light Focusing

EOS iTR (Intelligent Tracking & Recognition) AF

Command unparalleled autofocusing performance with the newly evolved EOS iTR (Intelligent Tracking & Recognition) AF.



Featuring advanced subject tracking algorithm assisted by deep learning technology, detection in shadow has improved greatly. Even with minor obstructions on the subject’s face such as having hair covering the eyes, or when wearing a face mask, the EOS R3 is able to spot the eye, head, or face of human subjects with high-precision tracking and reliable focusing.



In Animal Priority mode, EOS iTR intelligently detects subjects such as dogs, cats, and birds, locking AF on the subject's eye, head, or body even when the animal is not looking at the camera. The EOS R3 features a new Vehicle Priority mode capable of recognising automobiles and motorcycles as well as helmets of racing car drivers and motorcyclists.

Vehicle Priority AF

In addition to human and animal subjects, the EOS R3 has a new ability to detect and track automobiles and motorcycles. Powered by deep learning technology, this mode is capable of detecting four-wheeled and two-wheeled vehicles such as formula cars, rally cars, and on-road and off-road motorcycles. This is particularly advantageous in tracking fast action during off-roading and motorsport racing, where accurate focus on subjects is notoriously hard to attain. Besides detection of the entire vehicle, it is also possible to acquire more specific focus on the driver’s helmet using Spot Detection.

Dual Pixel CMOS AF II

The EOS R3 delivers cutting-edge autofocusing performance with wide coverage and precise AF points of up to 1053 zones. When a subject is detected, AF coverage is expanded to function over the entire visible image area (approx. 100% x 100%)* to deliver peak performance when shooting. The AF supports aperture setting as wide as f/22. It is also possible to engage AF shooting even when an extender is attached to a super-telephoto lens.

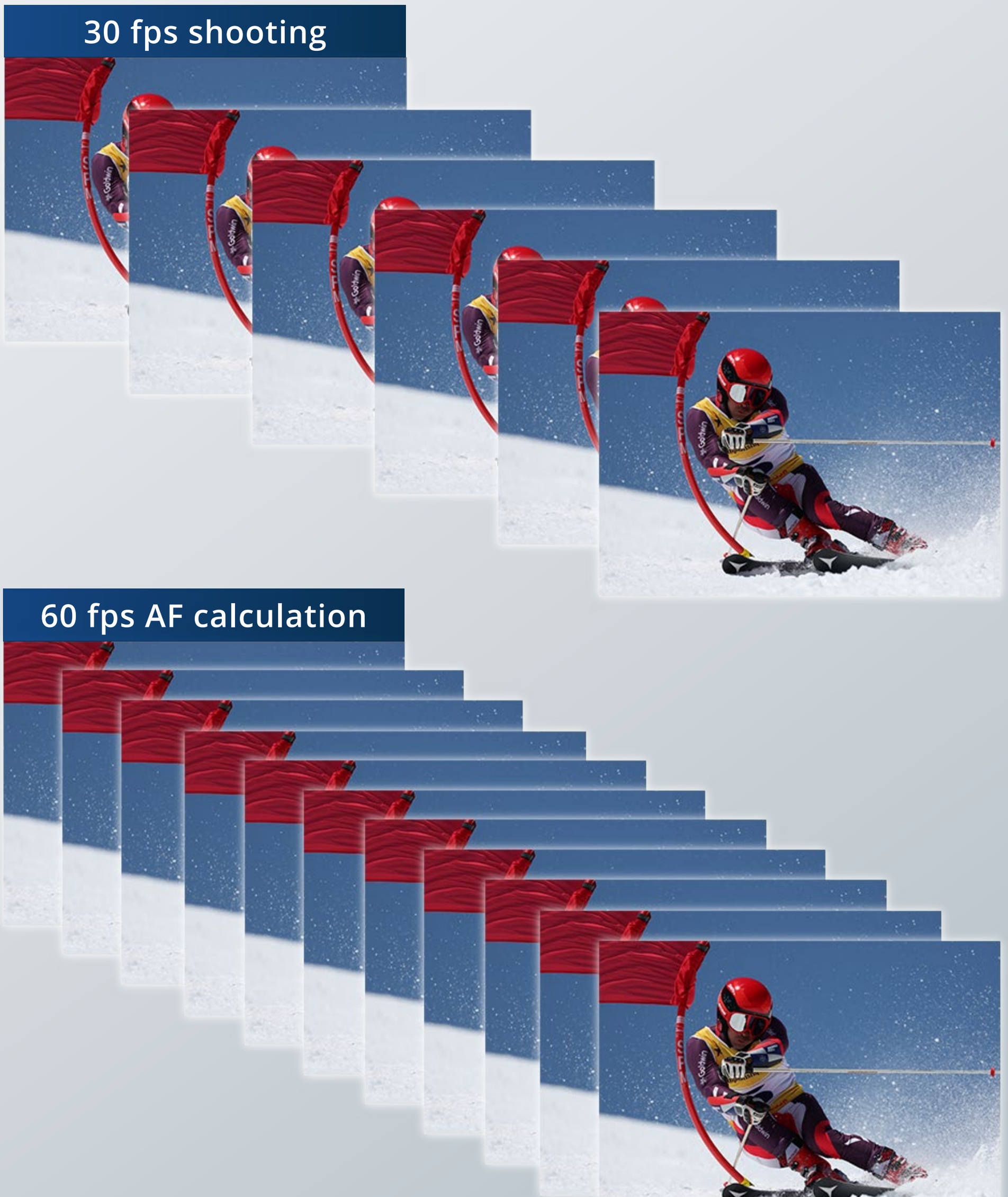
1,053
AF POINTS

*Applicable when subject frame is shown while using Subject Tracking and RF lenses (except RF600mm f/11 IS STM / RF800mm f/11 IS STM and Extender RF), EF lenses (excluding some current products), Extender EF (III) (depends on master lens AF area mode). Some scenes and subjects may not be applicable.

Up to 60 fps AF Calculation and Tracking

The CMOS sensor, DIGIC X processor, and Dual Pixel CMOS AF II allow for autofocusing calculation and tracking of up to 60 fps during continuous shooting with electronic shutter.

With more calculations performed for each image captured, tracking accuracy is greatly enhanced. This is particularly important for fast-moving subjects that change their direction and speed suddenly.



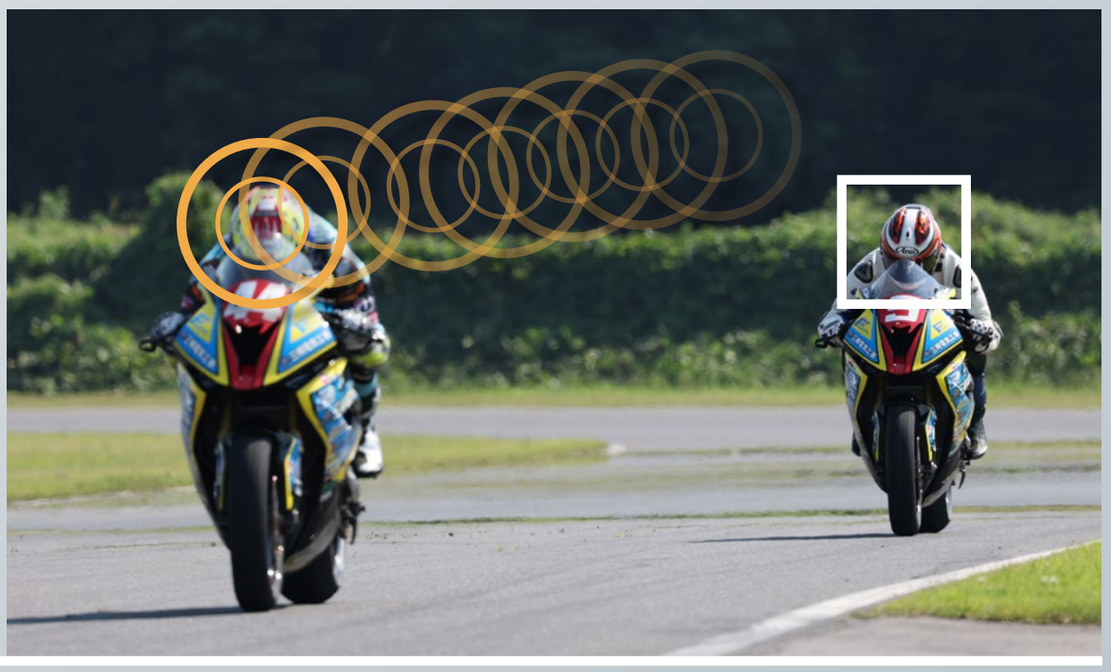
Eye Control AF

Eye Control

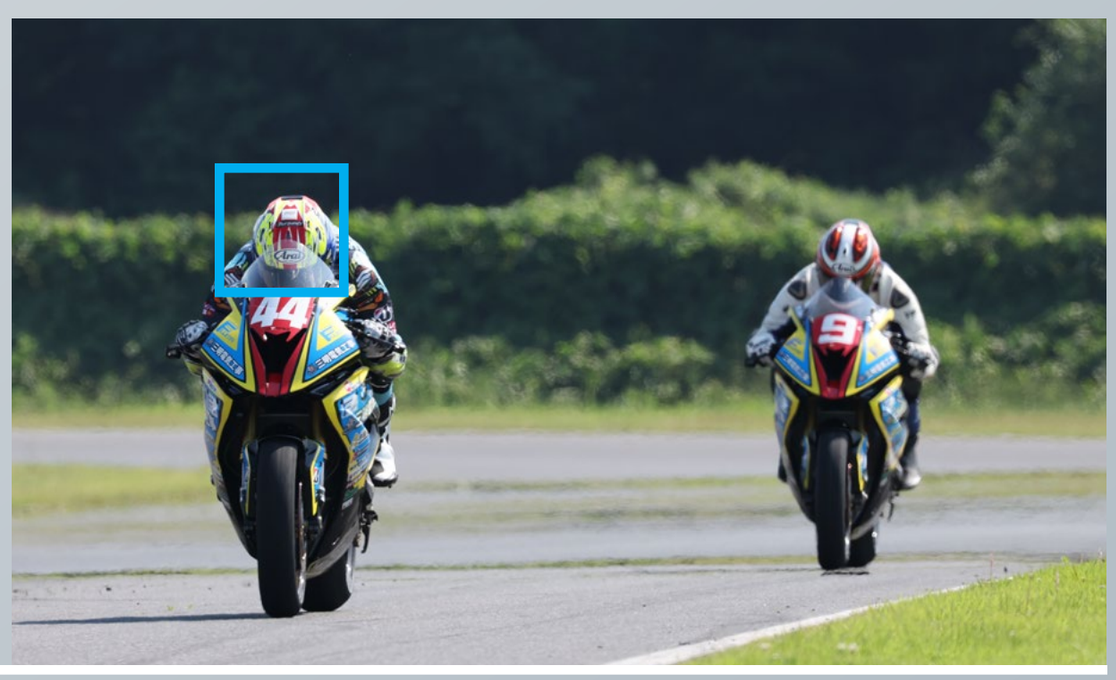
Experience the power of focusing by sight. As the first EOS Digital Camera to feature the Eye Control AF, the EOS R3 redefines the limits of focusing speed and accuracy. Direct the AF point with your eye by looking at the desired subject through the viewfinder to achieve focus. The Eye Control AF is highly recommended in situations with multiple subjects as it provides a high degree of flexibility in switching focus quickly from one subject to another. When combining it with other AF tracking modes, the Eye Control AF allows split-second focus acquiring and tracking of dynamic scenes, especially when shooting unpredictable subjects that may enter or leave the frame in an instant.

1. Focus acquired for subject on the right.

2. Use Eye Control AF to shift focus to the left subject.



3. Confirm focus lock with AF-ON button.



Multiple AF Operation Interfaces

The EOS R3 is equipped with an array of operation interfaces for customising AF selection. The Eye Control AF allows focus through the viewfinder while the popular Smart Controller, adapted from the EOS-1D X Mark III, provides quick and wide movement of the AF point. There is also the Multi-controller that caters for precise AF positioning, as well as the Touchscreen LCD which allows instantaneous shifting of the AF point to anywhere in the frame by simply tapping the screen.

Eye Control AF
Utilises eye movement to shift AF point

Smart Controller
Move the AF point quickly across the frame

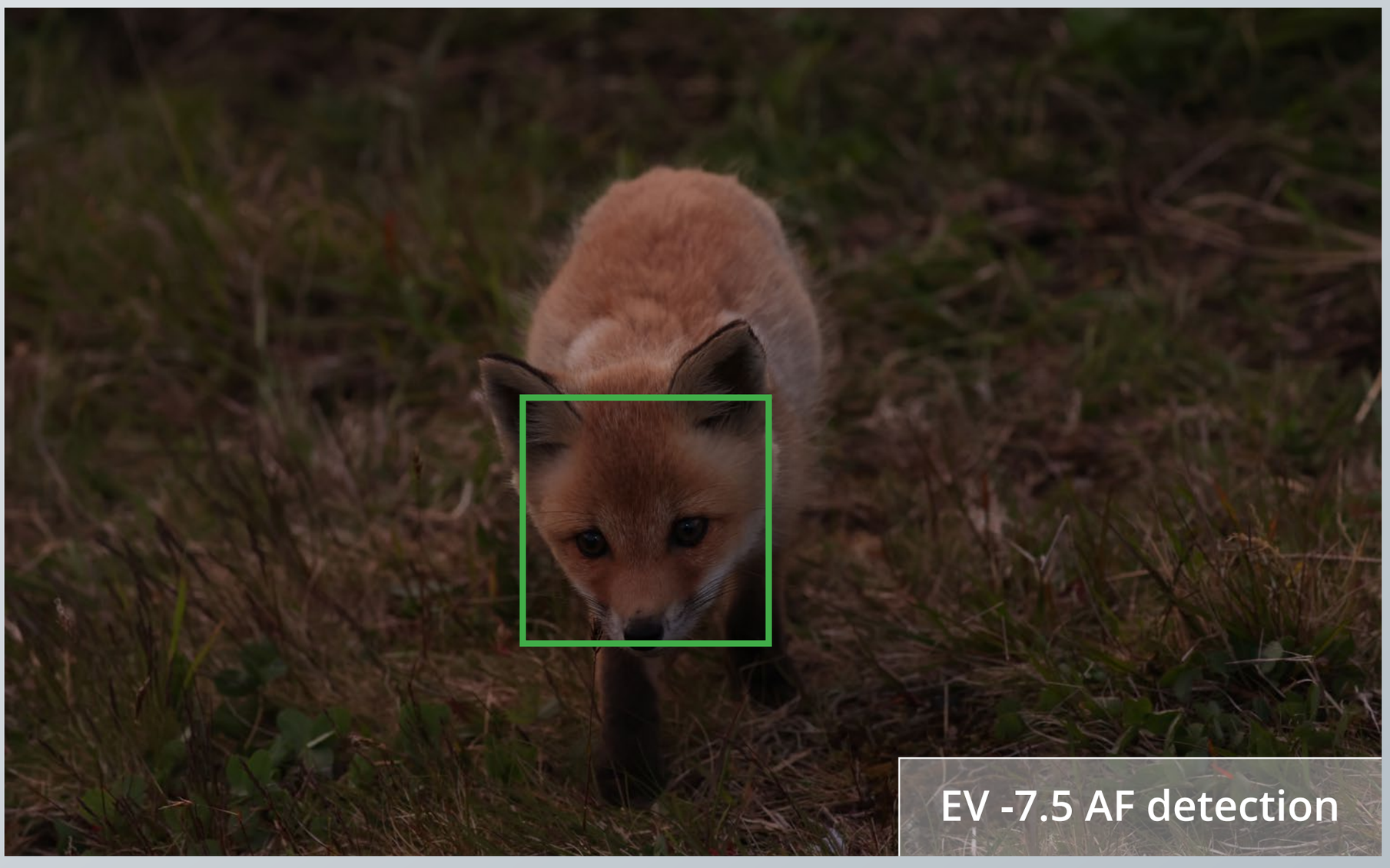
Touchscreen LCD
Instant shift of the AF point and menu accessibility

Multi-Controller
Quick AF point switching or selection

EV -7.5 Low-Light Focusing

With the lowest exposure value in the EOS R full-frame mirrorless range, the EOS R3 boasts a low luminance limit of up to EV -7.5*, allowing for comfortable shooting even in dark challenging conditions, such as outdoors on a pitch-dark moonless night. The EVF automatically adjusts brightness of the image for a lighted simulation based on the camera's exposure settings. Imagine expanded possibilities when capturing wildlife in the dark.

Pitch-dark condition



EV -7.5 AF detection

*When using f/1.2 lens under the following conditions: center focus point, room temperature, One-Shot AF, ISO 100. This does not apply to RF lenses with DS (Defocus Smoothing) coating.

03 SHUTTER PERFORMANCE

- High-Speed Continuous Shooting
- Blackout-Free Continuous Shooting
- Silent Shutter
- Shutter Durability

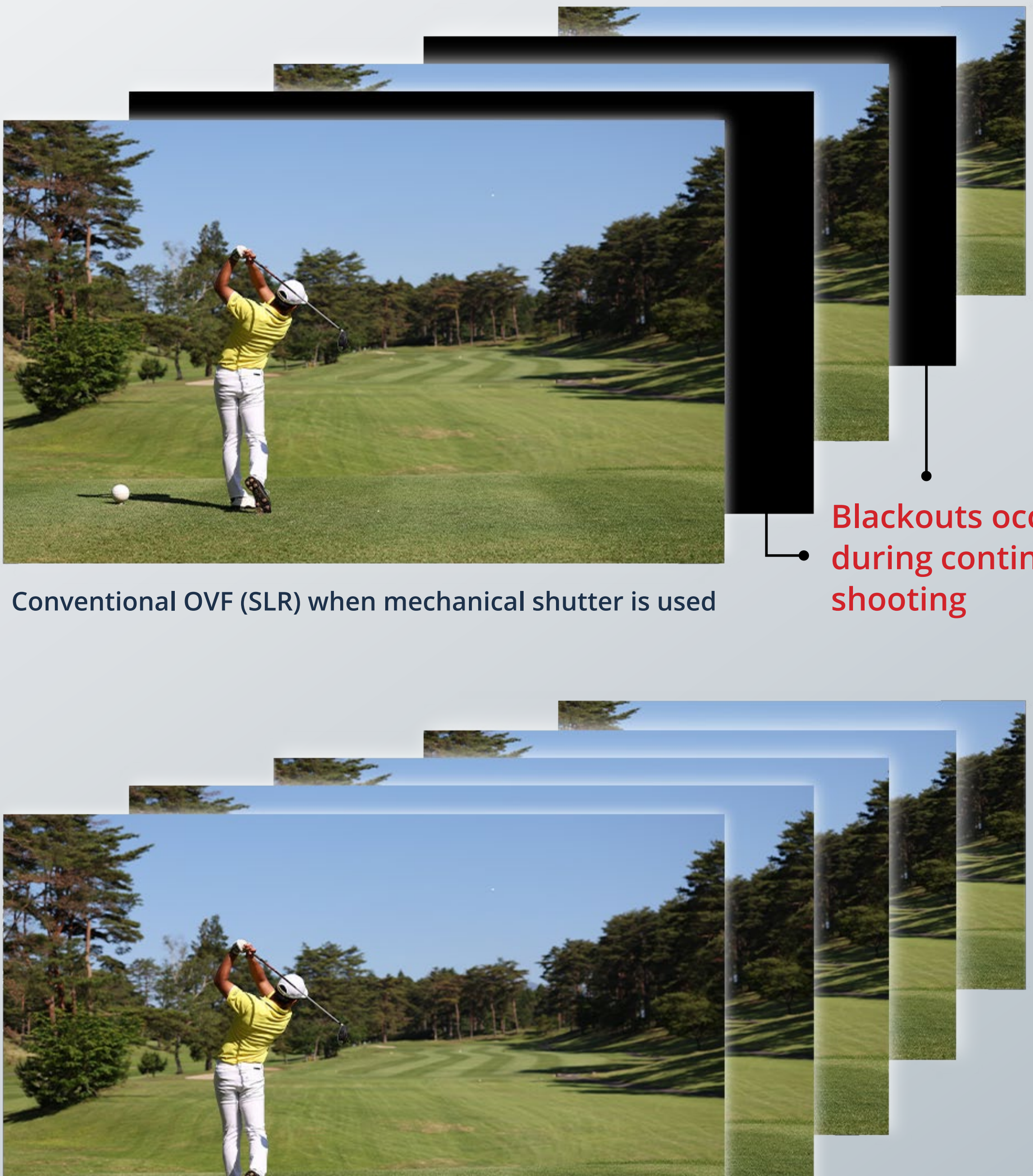
High-Speed Continuous Shooting

A continuous shooting performance of epic proportions, the EOS R3 features high-speed burst shooting capable of AE/AF tracking — up to 30 fps with the electronic shutter and up to 12 fps with the mechanical shutter. The electronic shutter allows for maximum shutter speed of up to 1/64000 seconds*, enabling capture of ultra-fast action as well as shooting with large aperture lens under bright environment.

*Tv/M mode only

Blackout-Free Continuous Shooting

The high readout speed of the CMOS sensor and high image processing speed enables captured images to be continuously displayed without interruption on the electronic viewfinder (EVF) even during high-speed burst shooting with electronic shutter. Blackout-free shooting allows photographers to keep their eyes on the subject throughout the sequence. This is particularly useful when capturing fast-moving subjects with unpredictable movement.



Conventional OVF (SLR) when mechanical shutter is used

EOS R3's EVF when electronic shutter is used for blackout-free shooting

Silent Shutter

Equipped with a silent shutter function, the EOS R3 allows for discreet shooting in any scenario. The LCD monitor can be further customised to be switched off to prevent light emission from the screen, making the EOS R3 a great choice for all genres of photography where noise and potential distractions are a concern.

Shutter Durability

To ensure mechanical strength for smooth high-speed continuous shooting, the EOS R3 is equipped with a shutter mechanism that has a durability of up to 500,000 cycles. To prevent dust from entering the camera sensor, the shutter curtain is set to close when the camera is powered off. It can also be left open to eliminate any sound during power up, especially during silent shooting.

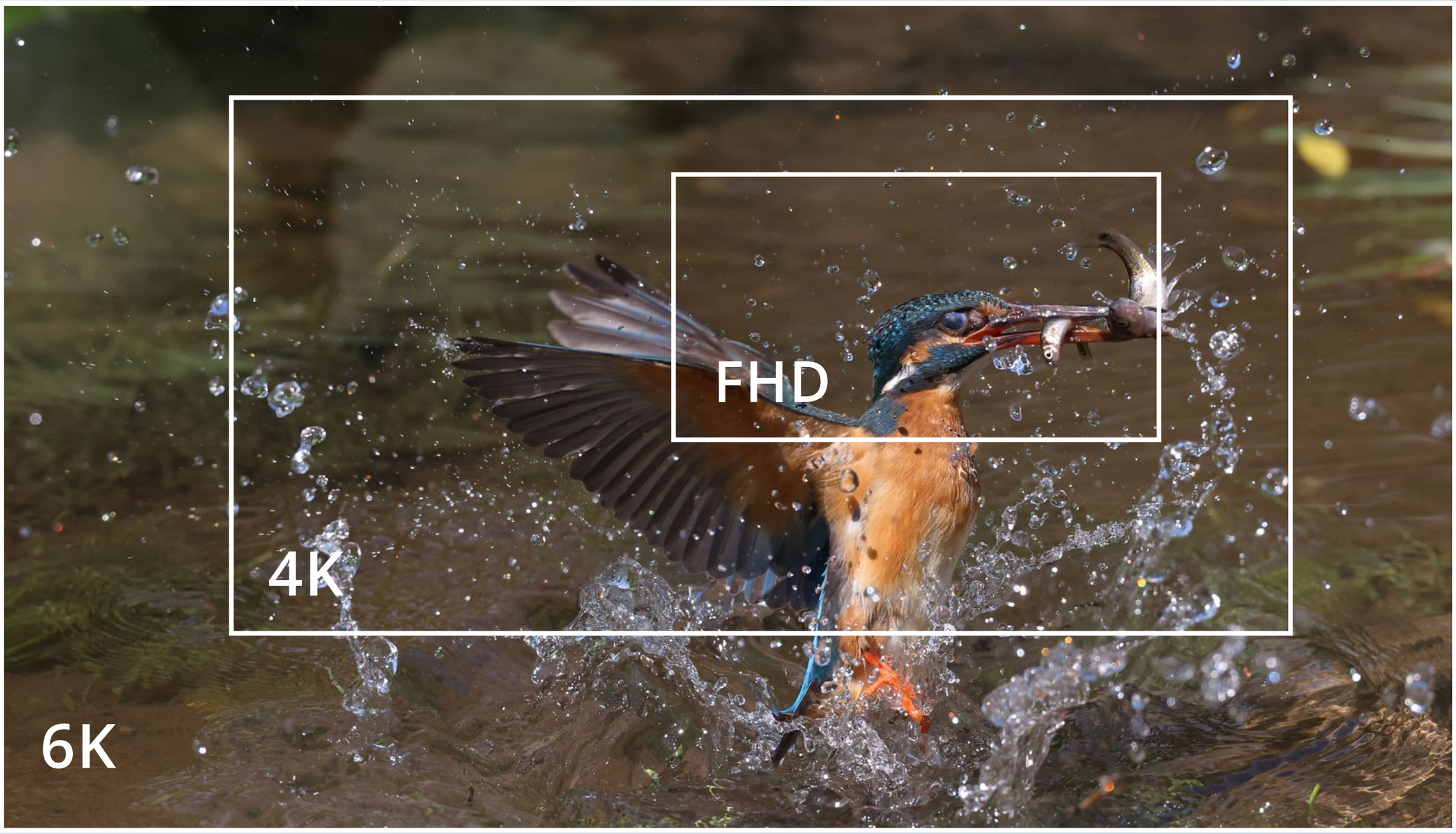
500,000
CYCLES

04 MOVIE SHOOTING

- In-Camera 6K RAW 60p Recording
- 4K Recording with 6K Oversampling
- HDR PQ Movie Recording
- Canon Log 3 and Cinema Gamut
- Excellent Control for Movie Shooting

In-Camera 6K RAW 60p Recording

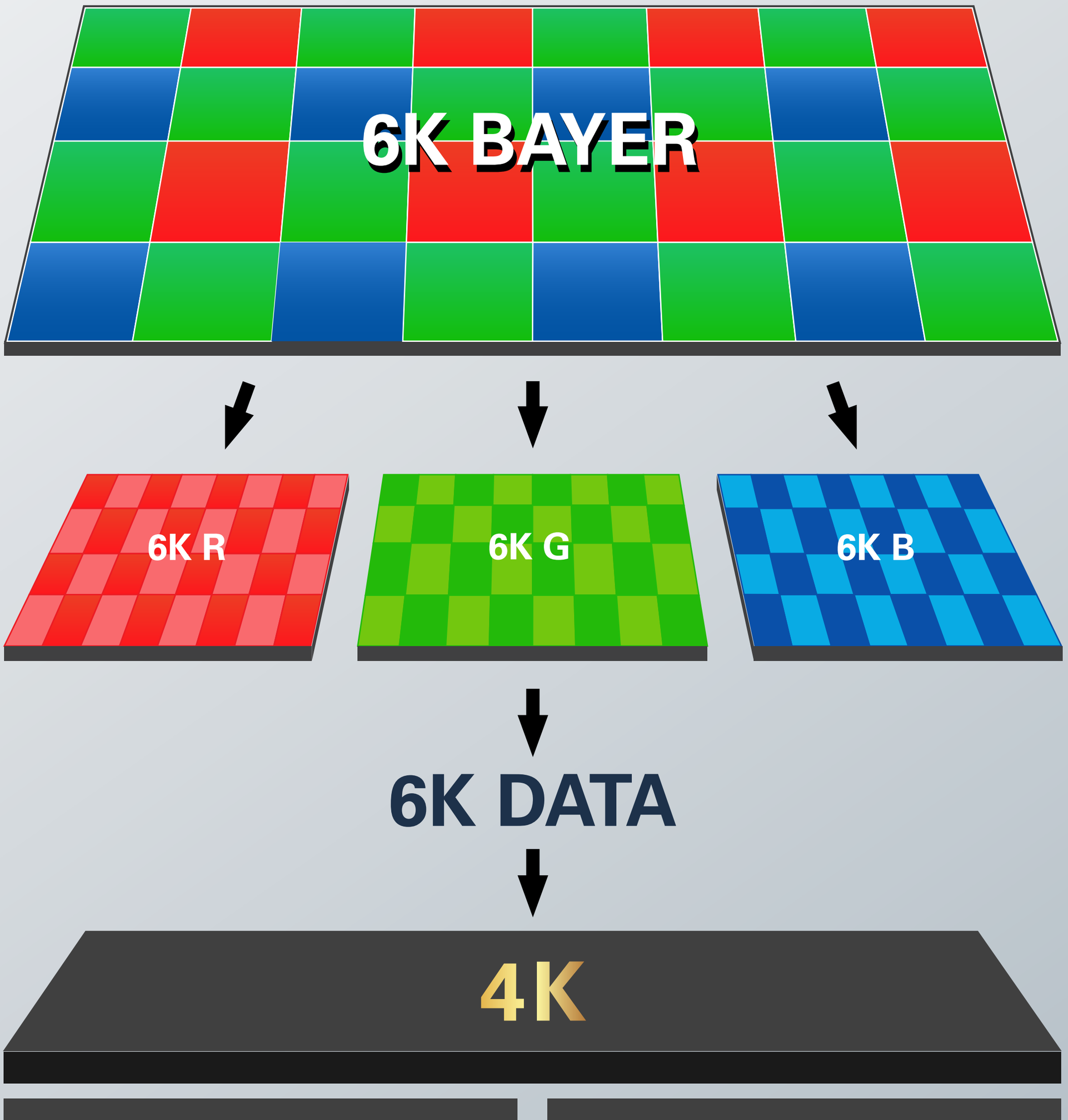
The EOS R3 is designed to expand the realm of movie shooting and is developed for smooth compatibility with other professional-use models. To meet the expectations of movie production, the EOS R3 leverages on its powerful capabilities of 6K RAW 12-bit 60p recording. Expect high-quality, uncropped movie shooting performance that is worthy of a powerful stand-alone camera as the EOS R3 also boasts a longer battery life with high-capacity battery.



Recorded at 6000 x 3164 pixels, the 6K footage is versatile in flexible post-editing, allowing for maximum creative freedom in edits of panning, cropping and zooming without any loss in image quality. With 6K frame grab, the EOS R3 extracts a single frame into a still image of high resolution that is approx. 19 megapixels.

4K Recording with 6K Oversampling

At the heart of the EOS R3, the DIGIC X image processor enables precise subject tracking and AF performance even in 6K 60p and 4K 120p recording. High frame rate movie recording in 4K UHD 120p allows for slow motion playback that delivers impact in every frame. When recording in 4K DCI 60p, the ability to oversample from data captured in 6K delivers stellar quality with smoother edges, less moiré and minimal colour distortion and noise. The EOS R3's readout speed of 4K 60p is approx. 1.6x faster than the EOS-1D X Mark III, making it more effective in suppressing rolling shutter distortion.



HDR PQ Movie Recording

To cater for specific production needs, such as news reporting or projects with short delivery time, the HDR PQ movie recording mode is ideal as it produces videos with higher brightness, wider tonal range and wider colour gamut. The 4:2:2 10-bit footage requires little to no colour grading and can be edited efficiently for quick viewing. Picture Style can be conveniently applied to alter the impression of the video. HDR PQ also works seamlessly for playback environments such as HDR-compatible TVs and other HDR media applications.

Canon Log 3 and Cinema Gamut

The EOS R3 supports Canon Log 3, which is widely used in the Cinema EOS System. Canon Log 3 is less prone to blown-out highlights compared to Canon Log gamma. Rich tones are accurately rendered for high-contrast scenes. In addition, it supports not only the standard BT.709 and BT.2020 colour gamut, but also Cinema Gamut. This allows you to provide visually consistent videos where the EOS R3 is used in conjunction with other Cinema EOS cameras.

Excellent Control for Movie Shooting

With the rise in demand for video content, small-scale production firms and individual content makers will definitely find the AF prowess of the EOS R3 a huge advantage. Powered by the Dual Pixel CMOS AF II and EOS iTR (Intelligent Tracking & Recognition) AF, it is now possible to create exceptional movie content with a very small crew or even when shooting solo.

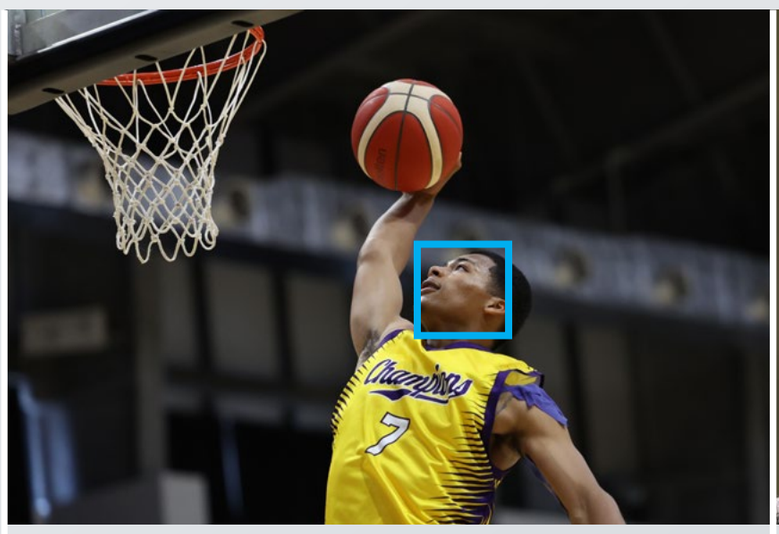
Reliable Subject Tracking

The EOS R3 features advanced predictive control in the AF algorithm for movie shooting. Human, animal and vehicle subject detection can be tracked with high accuracy, giving you the freedom for better framing and storytelling.


People Priority AF


Animal Priority AF


Vehicle Priority AF

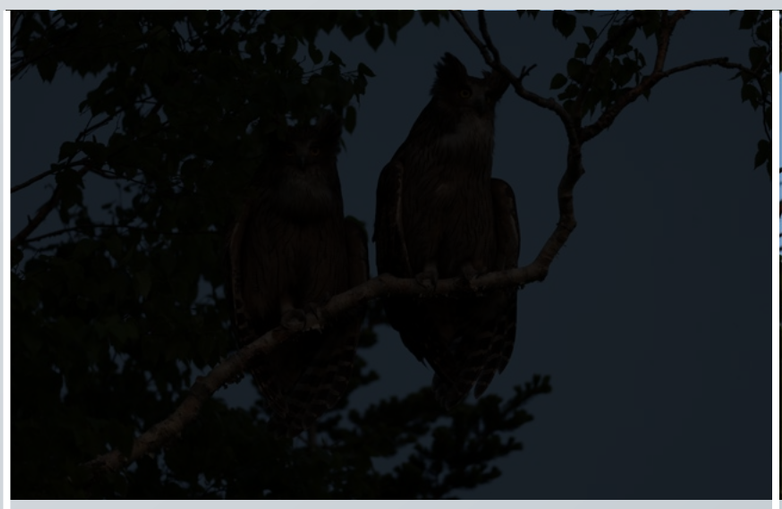

People Priority AF


Animal Priority AF


Vehicle Priority AF

Wide AF Sensitivity Range

With a low luminance limit of up to EV -4.5*, the EOS R3 is capable of achieving precise focus even when operating in extremely dark scenes.

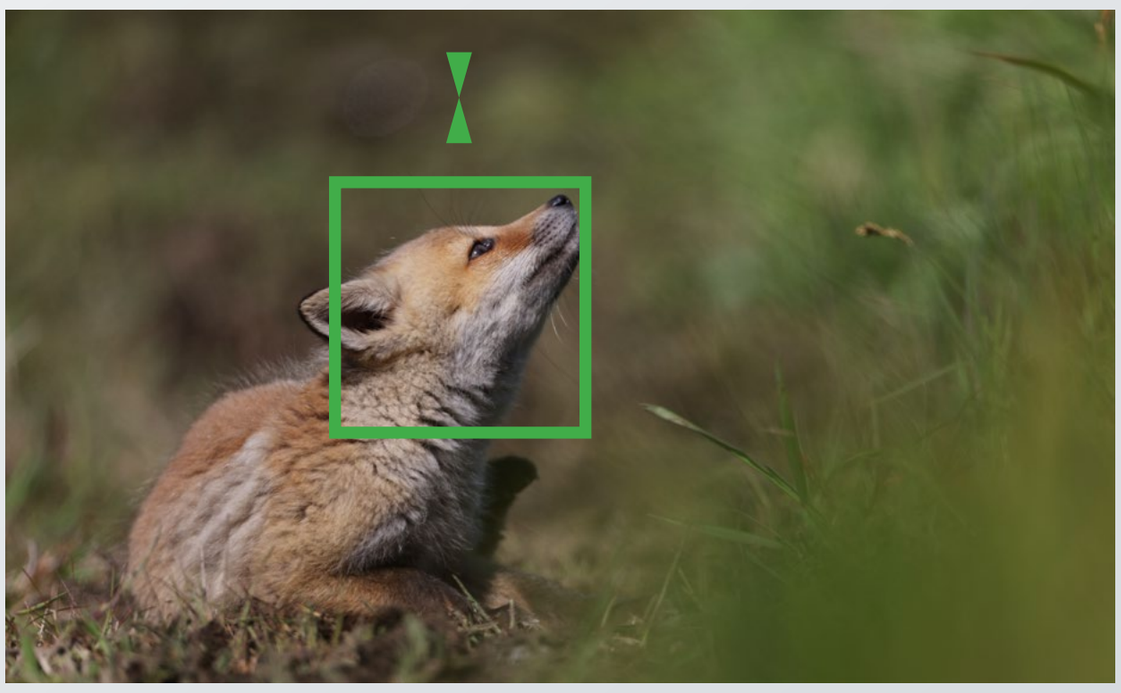

Low-Light Conditions


Lighted Simulation

*When using f/1.2 lens under the following conditions: center focus point, room temperature, One-Shot AF, ISO 100, 29.97fps, with display performance set to [Power saving]. This does not apply to RF lenses with DS (Defocus Smoothing) coating.

Support for Manual Focus

The EOS R3 makes manual focusing intuitive with the Focus Guide which gives you real-time feedback on whether the focus is in front or behind the intended subject.



Manual Focus Peaking is another handy focusing aid that uses coloured digital outlines to identify all the elements of a scene in focus. Both tools speed up manual focusing and help you to focus more accurately.

Zebra Display

For accurate exposure display during movie shooting, the Zebra Display overlays a striped pattern onto overexposed areas for easy viewing through the electronic viewfinder (EVF) or Vari-angle Touchscreen LCD. Videographers can quickly make the necessary exposure adjustments and it is especially useful when filming human subjects.

05

CONNECTIVITY & DATA MANAGEMENT

- Built-in Dual-Band Wi-Fi, Bluetooth, and GPS
- Ethernet and Wired LAN Support
- image.canon
- Mobile File Transfer (MFT)
- USB-C Connectivity
- Multi-Function Shoe

Built-in Dual-Band Wi-Fi, Bluetooth, and GPS

Transfer your data anytime, anywhere, and at lightning-fast speeds. With built-in 5GHz/2.4GHz Wi-Fi, perform remote shooting and easy wireless file transfer to smartphones or tablets via the Canon Camera Connect app and Digital Photo Professional (DPP) Express. The EOS R3 supports Wi-Fi Protected Access 3 (WPA3), protecting data from corruption during the file transfer process. Bluetooth Low Energy (BLE) allows for easy pairing with terminals with reduced power consumption.

Wi Fi CERTIFIED

Bluetooth®

GPS

Digital Photo Professional Express

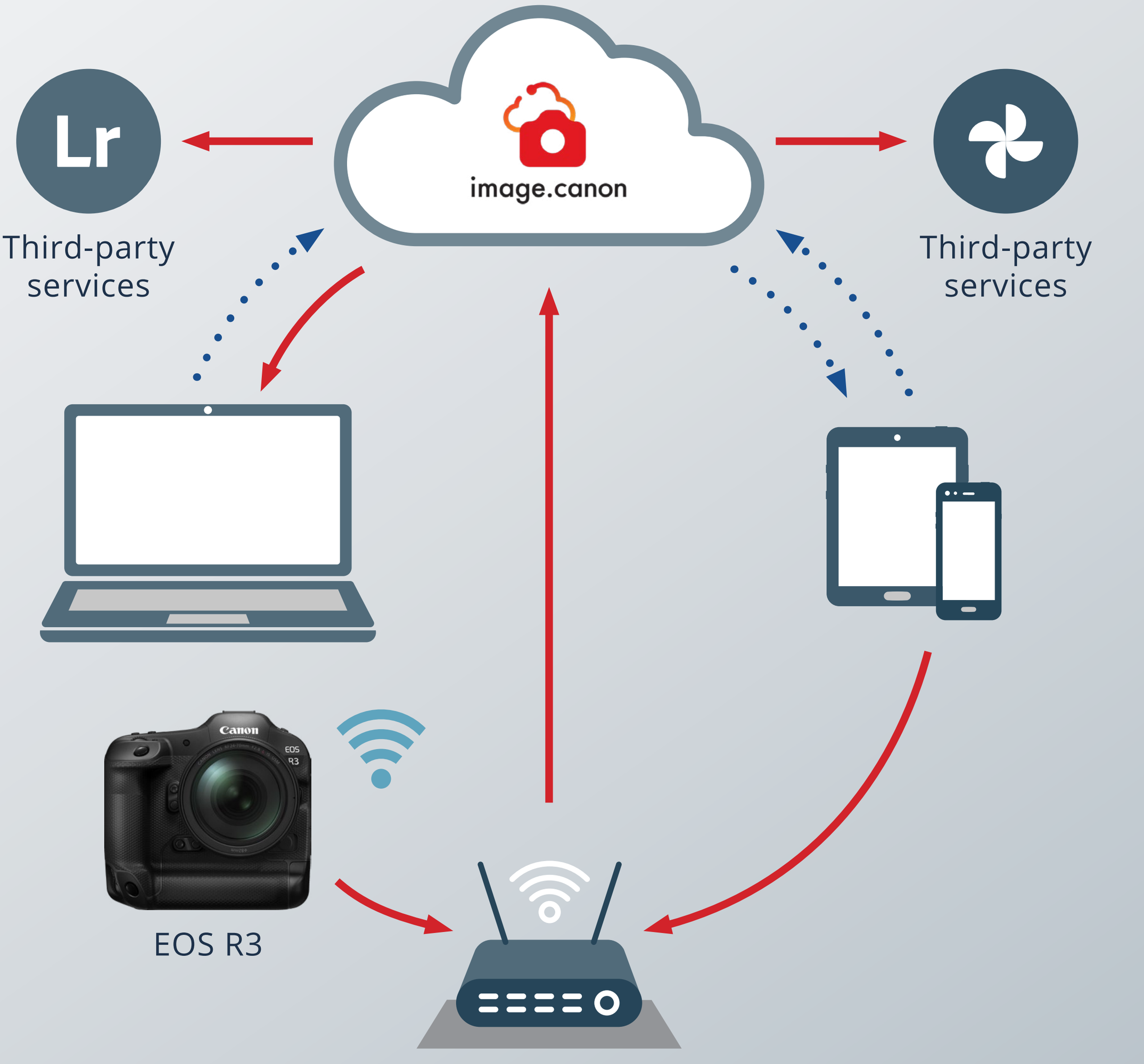
Built-in GPS streamlines file organisation by recording shooting location and time-zone coordinated metadata. GLONASS and QZSS (Quasi-Zenith Satellite System) compatible.

Ethernet and Wired LAN support

The first EOS mirrorless model to feature a built-in Ethernet port, the EOS R3 has the capability for high-speed wired LAN file transfer. Designed for professional use, the 1000BASE-T wired LAN supports FTP, FTPS, SFTP and authentication LAN to achieve stable and secure transfer of large, high resolution RAW or video files. With additional support of Wi-Fi Protected Access 2 (WPA2) and authenticated LAN (IEEE 802.1X), the EOS R3 offers added security and compliance with international security standards required by press, public organisations and large-scale events.

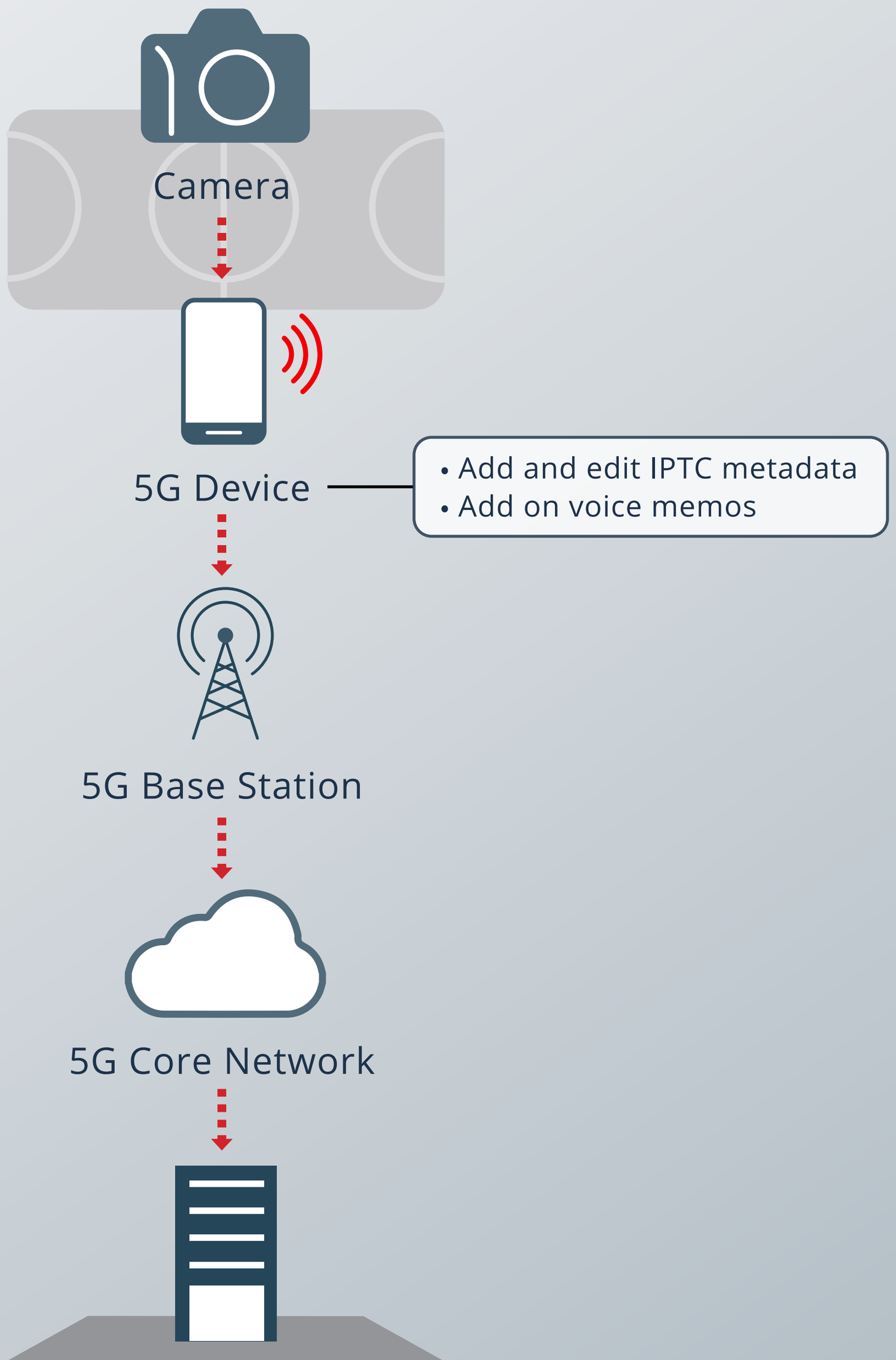
image.canon

The EOS R3 is compatible with image.canon, a cloud storage service that offers flexible inter-device connectivity to manage your image data. It is designed to automatically forward image data in its original format from the camera to computer, device, and supported third-party services, giving you the convenience of cloud-based storage while on the go.



Mobile File Transfer (MFT)

When paired with the Mobile File Transfer (MFT)* app, the EOS R3 allows for image transfer from camera to smartphone via a wired (USB-C) or wireless (Wi-Fi) connection. The files are then sent to a remote server quickly via the smartphone's 5G mobile network. Choose from three transfer modes (Auto Transfer, Selective Transfer, or Filter Transfer) that best suits your post-shoot workflow. Add and edit IPTC metadata such as name and license information, or add on voice memos to selected images.



*The EOS R3 compatible version will be released in late January 2022. Subject to development changes.

USB-C Connectivity

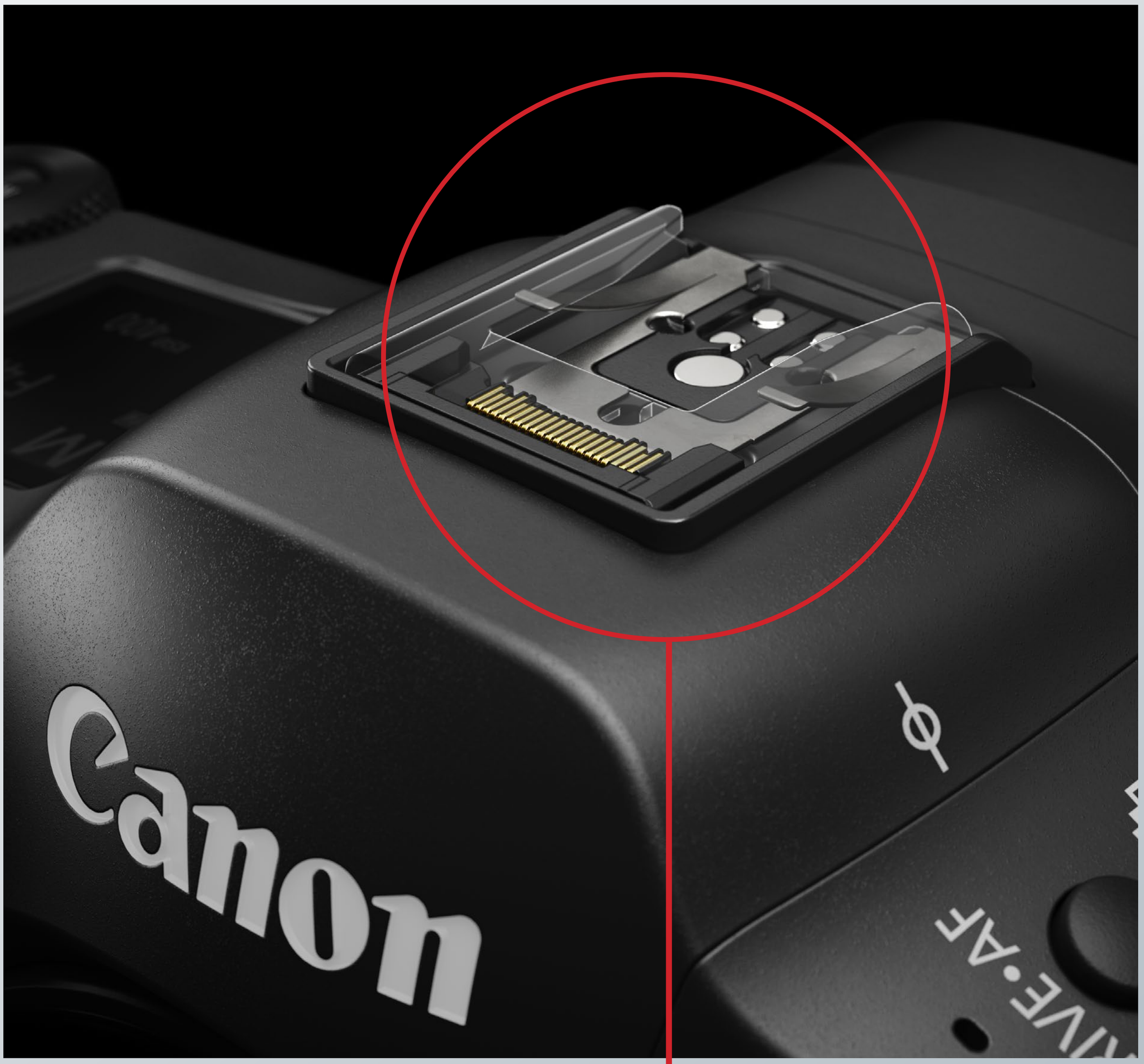
The EOS R3’s USB-C interface allows connection to both iOS* and Android phones for MFT connectivity and faster transfer of JPEG/MP4 files. The USB-C port also facilitates external charging with a power bank that supports Power Delivery (PD) and is particularly useful for long outdoor shoots where an AC charging point is not available.

USB-C Connectivity

*Wired transfer to iOS phones require a separate cable that is compatible with the communication. Diagram for illustrative purposes only.

Multi-Function Shoe

The EOS R3 is equipped with a new Multi-Function Shoe which expands the usage beyond flash photography. The new shoe is designed for advanced high-speed communication links with the camera and acts as a new terminal to power up accessories that are attached to it. With the Multi-Function Shoe, the EOS R3 can be made compatible with more video accessories and networking capabilities such as digital microphones and smartphone connectivity devices.



Multi-Function Shoe

06

DESIGN & ERGONOMICS

- Dimensions and Design
- Magnesium Alloy Body
- Dust- and Drip-Resistance
- Camera Ergonomics

Dimensions and Design

Designed to offer professionals the same top-end level of operability and reliability as Canon’s flagship EOS-1D X series, the EOS R3 shares a similar design but is about 15% shorter and up to 30% lighter than the EOS-1D X Mark III.

With its compact size at 14.26cm (H) x 15cm (L) x 8.72cm (D) and weighing in at approx. 1kg*, the EOS R3 is built for robust and rigorous use out in the field.

Comparison

Weight
1015g

Approx.
15% shorter
30% lighter

EOS R3 | EOS-1D X MARK III

Weight
1440g

*Including battery and card.

Magnesium Alloy Body

The EOS R3 has high-impact protection to tackle any shooting situation. Built with lightweight magnesium alloy frame for extreme toughness and durability, the body also provides thorough electromagnetic shielding on the camera exterior. It is also designed with a heat conduction pathway to facilitate heat dissipation during movie shooting.

Dust- and Drip-Resistance

Unpredictable weather conditions and terrains are something even professional photographers cannot control. To perform under harsh situations, the EOS R3's precise engineering and construction, complete with weather sealing materials in critical movable areas, minimises the chances of dust and moisture penetrating the camera body.

Camera Ergonomics

Featuring two Smart Controllers and two Multi-controllers for greater customisation and accessibility during shooting, the EOS R3 also has two vertical and horizontal grips with deep fingerhold for better handheld comfort.

Smart Controllers

A big new feature for EOS mirrorless cameras, the Smart Controllers are sensitive touchpads that act as optical devices, allowing you to control the AF area while shooting. They also double up as AF-ON buttons.

Multi-Controllers

The Multi-controllers offer increased precision in positioning the AF frame, giving you the freedom to quickly switch and select between multiple AF points.

Vertical and Horizontal Grip with Deep Fingerhold

The vertical and horizontal grips improve the user experience of shooting with the EOS R3 by allowing you to shoot in any orientation. Dimple pattern marking with deep fingerhold design creates a larger surface area, allowing you to hold the camera firmly and securely without strain.

07 OPERABILITY & FEATURES

- Enhanced EVF
- Vari-angle Touchscreen LCD
- Dual Card Slots
- Battery LP-E19 and Charging
- Illuminated Buttons

Enhanced EVF

See a world of colour, beauty, and definition all through the EOS R3's approx. 5.76 million-dot resolution OLED electronic viewfinder (EVF). With a display frame rate of up to 120 fps, the EVF's quick response delivers high-speed performance by reducing time lag during continuous shooting and displays images at a higher frame rate.

Recreate a natural view with the optical viewfinder (OVF) simulation view assist function. HDR technology and automatic brightness setting combine to produce stunning displays at maximum clarity. The EVF provides high-definition realism to empower the Eye Control AF feature for all-rounded operability of AF.

Vari-angle Touchscreen LCD

The EOS R3 is the first professional body to integrate the Vari-angle Touchscreen LCD. The display features a high-definition Clear View II LCD with approx. 4.15 million dots, which is also the highest resolution LCD in any Canon camera.
It enables quick control and flexible shooting from high or low angles in both horizontal and vertical orientation.

Dual Card Slots

Expand the potential of every shoot with the large capacity storage of the EOS R3 with dual card slots. The memory card slots support the latest-generation CFexpress Type-B card and SD card.

A CFexpress card allows for hyper-fast data transfers from camera to card, with sufficient camera buffer for efficient recording of 6K RAW movies and images at the burst speed of up to 30 fps. It is now possible to record identical MP4 data in 4K or FHD quality on both cards simultaneously for safety backup. When recording RAW movie on the CFexpress card, it is possible to record similar data in 4K format on the SD card.

Battery LP-E19 and Charging

The EOS R3 uses the same high-capacity lithium-ion battery LP-E19 (10.8V/2700mAh) as the EOS-1D X Mark III, capable of firing up to 860 shots* on a single charge. In situations where you run out of battery and charging the battery is not possible, simply power up with a power bank that supports Power Delivery through the EOS R3's USB-C port** as an alternative power delivery method.

*Using LCD screen at room temperature (23°C/73°F) with Power Saving mode.
**A compatible USB-C to USB-C cable is required.

Illuminated Buttons

Similar to the EOS-1D X Mark III, the EOS R3 features the same illuminated buttons that allow for much easier menu selection and playback operations when shooting in dark conditions.

08 LENSES & ACCESSORIES

- The EOS R System and RF Lenses
- RF14-35mm f/4L IS USM
- RF16mm f/2.8 STM
- RF100mm f/2.8L Macro IS USM
- RF100-400mm f/5.6-8 IS USM
- RF400mm f/2.8L IS USM
- RF600mm f/4L IS USM
- Directional Stereo Microphone DM-E1D
- Speedlite Transmitter ST-E10
- Multi-Function Shoe Adapter AD-E1
- Adapter for Smartphone Link AD-P1

EOS R SYSTEM

The EOS R System

Reimagine, Reinvent, Rediscover

The EOS R SYSTEM was born from the ethos of "Revolution" with a drive for optical excellence beyond the boundaries of innovation. It is made for creators who seek perfection in every image, who demand only the best technology – full-frame sensors for high-speed and high-quality capture with superb ergonomics. The game-changing RF mount comes with an exclusive range of RF lenses, from world-class professional zoom lenses to everyday compact lenses for all photography genres and users. A comprehensive ecosystem of lenses, extenders and mount adapters allow new users to tap into the world of EF and EF-S lenses, while a new range of video shooting accessories expands the imaging possibilities of the EOS R System to herald a new era of creative feats.

Revolutionary RF Lenses

Since the launch of the RF mount, Canon has designed and developed a wide range of RF lenses exclusively for the EOS R System cameras. From ultra-wide to standard, super-telephoto to macro lenses, the ever-expanding range of RF lenses deliver superior performance and image quality in every creative endeavour.

The full RF lens line-up (as of Sept 2021). For additional lens information, please visit Canon's official website.

RF14-35mm f/4L IS USM

The ultra-wide RF14-35mm f/4L IS USM is a versatile zoom lens with constant aperture of f/4, advanced optical design and 0.38x magnification. Designed to be sleek and compact, this lens offers portability for handheld shooting. The broader field of view at 14mm makes it a preferred choice for landscape, nature, and architectural photography.

14mm · f/11 · 30s · ISO 100

RF16mm f/2.8 STM

An engineering marvel, the RF16mm f/2.8 STM ultra-wide angle lens features a large aperture at a price point that is very attractive for any photographer. The lens is designed ingeniously to retain performance in a very compact form-factor, being almost identical in size and weight to the RF50mm f/1.8 STM. Compared to other f/2.8 wide angle lenses such as the EF14mm f/2.8L II USM, the RF16mm f/2.8 STM weighs almost 4 times lighter.

This lens achieves 0.26x magnification with a 0.13m minimum focusing distance, making it perfect for underwater photography. The f/2.8 aperture also produces magical astrophotography shots.

16mm · f/9 · 1/500 sec · ISO 400

RF100mm f/2.8L Macro IS USM

The RF100mm f/2.8L Macro IS USM is in a league of its own. As the world’s first telephoto macro lens with maximum shooting magnification of 1.4x, it features a Spherical Aberration control ring to adjust bokeh to enhance the photograph with a flattering soft focus effect, making it an ideal lens for portraiture. Integrated Dual Nano USM motors achieve smooth and accurate AF with minimal operational noise. The lens is designed to suppress focus breathing, delivering consistency across video and stills.

RF100-400mm f/5.6-8 IS USM

The RF100-400mm f/5.6-8 IS USM is lightweight, with a native 5.5-stop image stabilisation that can be further expanded to 6 stops when paired with a camera that is equipped with In-Body IS. Weighing a mere 635g, it is approx. 60% lighter than the EF100-400mm f/4.5-5.6L IS II USM.

In addition, this lens works perfectly with both the Extender RF 1.4x and RF 2x. With the ability to extend focal length up to 800mm, it is the perfect lens for wildlife photography.

400mm · f/8 · 1/25 sec · ISO 1600

RF400mm f/2.8L IS USM

Built for RF mount cameras, the RF400mm f/2.8L IS USM super-telephoto lens is a fantastic low-light performer with its quick f/2.8 aperture and optical IS. Take on wildlife and sports photography with advanced AF that ensures sharp focus clarity with accurate tracking on fast-moving subjects, delivering incredible image quality.

400mm · f/5.6 · 1/4000 sec · ISO 400

RF600mm f/4L IS USM

As a top performer, the RF600mm f/4L IS USM is a super-telephoto lens that delivers stunning image quality for sports and wildlife photography. With up to 5.5 stops of image stabilisation and ultra-fast focusing, get clean and crisp images while nailing critical moments. Coated in heat-resistant white paint and with L-series robust build to withstand rigorous professional use, this lens allows you to shoot confidently outdoors.

600mm · f/4 · 1/1000 sec · ISO 800

Directional Stereo Microphone DM-E1D

A new digital microphone designed specifically to work with the EOS R3's Multi-Function Shoe aims to take video shooting to the next level. The Multi-Function Shoe provides power supply and advanced communication link for the transmission of audio signal from the microphone. This allows for a battery-less and cable-less design, eliminating the risks of running out of battery or accidental detachment of cable. There are three mic directions to select from – shotgun, 90 degrees and 120 degrees. All settings are done via the camera menu and there is a dedicated Menu button at the back of the microphone to instantly trigger the mic setting page in the camera menu.

Speedlite Transmitter ST-E10

The new radio-enabled wireless Speedlite Transmitter ST-E10 inherits most functions of its predecessor, the ST-E3-RT, but is much smaller and approx. 56% lighter. It has enhanced communication amongst multiple Speedlites, with a transmission distance of up to 30m at any angle. Up to 5 groups or 15 individual flashes can be controlled via one transmitter. It also supports E-TTL II flash, manual flash, strobe and external flash metering. The ST-E10 features a battery-less design and has the same quick access Menu button for instant adjustment. Wireless flash setting is also possible via the Canon Camera Connect app without having to touch the camera or flash.

Multi-Function Shoe Adapter AD-E1

The Multi-Function Shoe Adapter AD-E1 is developed to retain compatibility with existing Speedlites such as the Speedlite EL-1, 600EX series, 580EX II, and more. This adapter is required before mounting these Speedlites onto the EOS R3 due to their rubber sealing design. Speedlites that do not have dust- and drip-resistance feature, such as the Speedlite 270EX, 430EX and 470EX series, can be mounted directly onto the EOS R3.

Adapter for Smartphone Link AD-P1

With the Mobile File Transfer (MFT) app, leverage on the fast 5G mobile network of smartphones to quickly transfer high resolution images from the camera to FTP servers. This is made even more convenient with the Adapter for Smartphone Link AD-P1, which allows easy mounting of the smartphone on the camera's Multi-Function Shoe. With a dedicated high-speed USB-C cable, transfer images from the camera to the smartphone at blazingly fast speeds. This workflow greatly enhances photographers' efficiency in the field where wireless networks are not readily available.

Specifications - EOS R3

Type	
Image sensor	Approx. 24.1 megapixels, full-frame (approx. 36.0 × 24.0 mm) back-illuminated stacked CMOS sensor
Image processor	DIGIC X
Lens mount	Canon RF mount
Compatible lenses	Canon RF lens Mount Adapter EF-EOS R: Canon EF or EF-S lenses (excluding EF-M lenses)
Recording media	2 memory cards • 1x CFexpress memory card (Type-B compatible) • 1x SD, SDHC or SDXC memory card (UHS-II compatible)
Recording System	
Pixels recorded	HEIF, JPEG Large: 24 megapixels (6000 × 4000)
	HEIF, JPEG Medium: Approx. 10.6 megapixels (3984 × 2656)
	HEIF, JPEG Small 1: Approx. 5.9 megapixels (2976 × 1984)
	HEIF, JPEG Small 2: Approx. 3.8 megapixels (2400 × 1600)
	RAW / C-RAW: 24 megapixels (6000 × 4000)
Autofocus	
Focus method	Dual Pixel CMOS AF II
AF operation	One-Shot AF, Servo AF (default)
AF method	Spot AF, 1-point AF, Expand AF area (above / below / left / right or around), Flexible Zone AF 1 / 2 / 3, Whole area AF

Specifications - EOS R3

Autofocus		
Number of AF divisions available for automatic selection (max. zones)	Up to 1053 AF frame zones	
Focusing brightness range	Stills: EV -7.5 to 20* Movie: EV -4.5 to 20^ *With an f/1.2 lens, center AF point, One-Shot AF, at 23°C / 73°F, ISO 100 except RF lenses with a Defocus Smoothing (DS) coating ^With an f/1.2 lens, center AF point, One-Shot AF, at 23°C / 73°F, ISO 100, and 29.97 fps except RF lenses with a Defocus Smoothing (DS) coating	
Subject tracking	All AF area modes	
Subject detection	People, Animals (dogs / cats / birds), Vehicles (motorsports cars / motorcycles) NEW	
Eye Detection AF	Available	
Spot Detection (for Vehicle Priority AF)	Available NEW	
Servo AF characteristics	Available for still photography	
Registering and returning AF home position	Available (also supports Flexible Zone AF areas)	
Electronic full-time MF (Manual Focus)	Possible with compatible lenses* in One-Shot AF or Servo AF at all times. *A list of lenses will be released separately	
Eye Control AF	Line-of-sight sensor (approx.)	7560 pixels
	Number of calibration data	6

Exposure Control	
Still photo shooting mode	Fv / P / Tv / Av / M / BULB / C1 / C2 / C3

Content

Specifications - EOS R3

Exposure Control		
Movie recording mode	P / Tv / Av / M / C1 / C2 / C3	
ISO speed (Still photos)	Normal	100 to 102400
	Expansion for lower speeds (ISO equivalent)	L: 50
	Expansion for faster speeds (max. ISO equivalent)	H: 204800
ISO speed (Normal movies)	Normal	100 to 25600
	Expansion for faster speeds (max. ISO equivalent)	H1: 102400
	*Expanded ISO speeds are not available in HDR PQ, HDR, RAW or high frame rate movie recording.	
Metering brightness range	Still photos (at 23°C / 73°F, ISO 100)	EV –3 to 20
	Movies (at 23°C / 73°F, ISO 100, center-weighted average metering)	EV –1 to 20
Anti-flicker shooting	Available	
HF (High Frequency) anti-flicker shooting	Available	
Multiple-exposure shooting	Compatible with all lenses	
HDR Shooting		
Recording format	HDR PQ (Stills / Movie)	
Bit depth	10-bit	
Colour sampling	YCbCr 4:2:2	
HDR specification	Rec. ITU-R BT.2100 (PQ)	

Specifications - EOS R3

Shutter		
Shutter mode	Mechanical, Electronic 1st-curtain, Electronic	
Silent shutter function	Available	
Shutter at shutdown	Available	
Shutter speed	Mechanical shutter	1/8000 to 30
	Electronic 1st-curtain	1/8000 to 30
	Electronic shutter	1/64000, 1/32000, 1/16000, 1/12800, 1/10000, 1/8000 to 30
X-sync	Mechanical shutter	X-sync at 1/200 sec.
	Electronic 1st-curtain	X-sync at 1/250 sec.
	Electronic shutter	X-sync at 1/180 sec.
Image Stabilization (IS mode)		
Lens optical IS support	Available	
In-Body IS	Available (Up to 5.5 stops)	
Coordinated control IS*^	Available (Up to 8.0 stops) *Lenses introduced before EOS R5 and EOS R6 may require firmware upgrade for coordinated control IS to operate properly. ^Only applicable for still photos. Result tested with RF24-105mm f/4L IS USM at focal length (f) of 105mm in Yaw/Pitch direction. (CIPA standards compliant)	
Drive (max. approx. shots/sec.)		
High-speed continuous shooting +	Mechanical shutter	12
	Electronic 1st-curtain	12
	Electronic shutter NEW	30* *If flicker is detected, continuous shooting will slow down even when anti-flicker shooting is turned off.

Specifications - EOS R3

Drive (max. approx. shots/sec.)		
High-speed continuous shooting / continuous shooting	Mechanical shutter	6.0
	Electronic 1st-curtain	8.0
	Electronic shutter	15
Low-speed continuous shooting	Mechanical shutter	3.0
	Electronic 1st-curtain	3.0
	Electronic shutter	3.0
Movie Recording		
Recording options	Simultaneous recording of video (MP4) onto both CFexpress card and SD card is possible. When a RAW movie is recorded on a CFexpress card, movie data in 4K MP4 can be simultaneously recorded on an SD card.	
	6K RAW (6000 x 3164)	59.94 fps / 29.97 fps / 24.00 fps / 23.98 fps (NTSC) 50.00 fps / 25.00 fps / 24.00 fps (PAL)
	4K DCI (4096 x 2160)	119.88 fps / 59.94 fps / 29.97 fps / 24.00 fps / 23.98 fps (NTSC) 100.00 fps / 50.00 fps / 25.00 fps / 24.00 fps (PAL)

Specifications - EOS R3

Movie Recording		
Recording options	4K UHD (3840 x 2160)	119.88 fps / 59.94 fps / 29.97 fps / 24.00 fps / 23.98 fps (NTSC) 100.00 fps / 50.00 fps / 25.00 fps / 24.00 fps (PAL)
	Full HD (1920 x 1080)	119.88 fps / 59.94 fps / 29.97 fps / 24.00 fps / 23.98 fps (NTSC) 100.00 fps / 50.00 fps / 25.00 fps / 24.00 fps (PAL)
Movie cropping	Available in 4K (DCI / UHD) and Full HD	
Audio	RAW	Linear PCM
	ALL-I / IPB (Standard)	AAC / Linear PCM*
	IPB (Light)	AAC
	*Selection of AAC and Linear PCM is supported	
High frame rate	Available in Full HD and 4K DCI / UHD	
Canon Log 3	Available	
HDR PQ	Available	
HDMI output for movie footage	Available	
Standby: Low resolution (for movie recording)	Available	

Viewfinder	
Type	Newly developed 5.67 million-dot (approx.) high-speed viewfinder

Specifications - EOS R3

Viewfinder		
Refresh rate (max.)	119.88 fps	
Coverage (approx.)	100%	
Magnification (approx.)	0.76x	
Eyepoint (approx.)	23mm	
Screen		
Monitor type	3.2-inch (3:2) Vari-angle, TFT colour, LCD Touchscreen, with approx. 4.15 million-dot	
LCD panel	128 x 128 dots, reflective memory LCD	
Communication Functions		
Communication method	Built-in Wi-Fi (Wireless LAN)	IEEE 802.11b/g/n/a/ac
	Bluetooth	Ver.5.0 (BLE)
	USB	SuperSpeed Plus USB (USB 3.2 Gen 2) equivalent
	Ethernet (Wired LAN)	1000BASE-T / 100BASE-TX / 10BASE-T
Support simultaneous operation of “EOS Utility: USB connection” and “FTP transfer: Built-in Wi-Fi connection”		
Security standards compliance	Wired LAN	FTPS / SFTP / HTTPS (Browser Remote)
		Supports authenticated LAN (802.1X)
	Wireless LAN	FTPS
		WPA3 Personal / Enterprise, WPA2

Specifications - EOS R3

Communication Functions			
Built-in GPS	Available		
External Interface			
Multi-Function Shoe	NEW		
Digital terminal	USB* Type-C *SuperSpeed Plus USB (USB 3.2 Gen 2) equivalent		
HDMI output terminal	Type D		
Remote control terminal	N3		
Ethernet terminal	RJ-45		
External microphone input terminal	Available		
Headphone terminal	Available		
Power			
Battery	1x LP-E19		
Supports charging via USB Power Adapter PD-E1			
Number of available shots* (at 23°C / 73°F, approx. number of shots)	Display Performance		
	Viewfinder	Power saving: 620 shots	Smooth: 440 shots
	Monitor	Power saving: 860 shots	Smooth: 760 shots
	*Using a fully charged LP-E19, and SD card. Based on CIPA guidelines.		
Continuous recording time available for movie (max.)	Normal movies	6 hr. 00 min. 00 sec.	
	High frame rate	1 hr. 30 min. 00 sec.	

Specifications - EOS R3

Dimensions and Weight	
Dimensions (W×H×D) (CIPA compliant)	Approx. 150.0 x 142.6 x 87.2 mm
Weight (CIPA compliant)	Approx. 1015g (including battery and memory cards)

EOS R3

FULL-FRAME MIRRORLESS

Find out more:

EOS R3

FULL RF LENS LINE-UP

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Delighting You Always

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