Contents

EOS R1

The Pinnacle of **EOS R System**

Crowned with the 1.

The EOS R1 — the new mirrorless full-frame flagship of the EOS R System — surpasses the imagination for professionals who need absolute precision, speed and reliable operability out in the field of action photography.

Along with powerful advancements in photography capabilities, and movie workflow integrations with Cinema EOS, the EOS R1 lets you capture unprecedented shots with full confidence in pursuing communicative and creative stories.

01

Image Processing System

Powerful Image Processing System

High speed and sensitivity that lets you capture every critical action with outstanding clarity.

The advanced DIGIC X image processor, DIGIC Accelerator and new full-frame back-illuminated stacked CMOS sensor form the Accelerated Capture system, which combines with Deep Learning technology to enable In-camera Upscaling and Neural Network Noise Reduction.

24.2 Megapixel Full-Frame CMOS Sensor

Designed with speed in mind, the new full-frame back-illuminated stacked CMOS sensor in the EOS R1 offers 24.2 effective megapixels and up to ISO 102,400. The new stacked architecture enables ultra fast data processing speeds which photographers require when documenting fast action in the field.
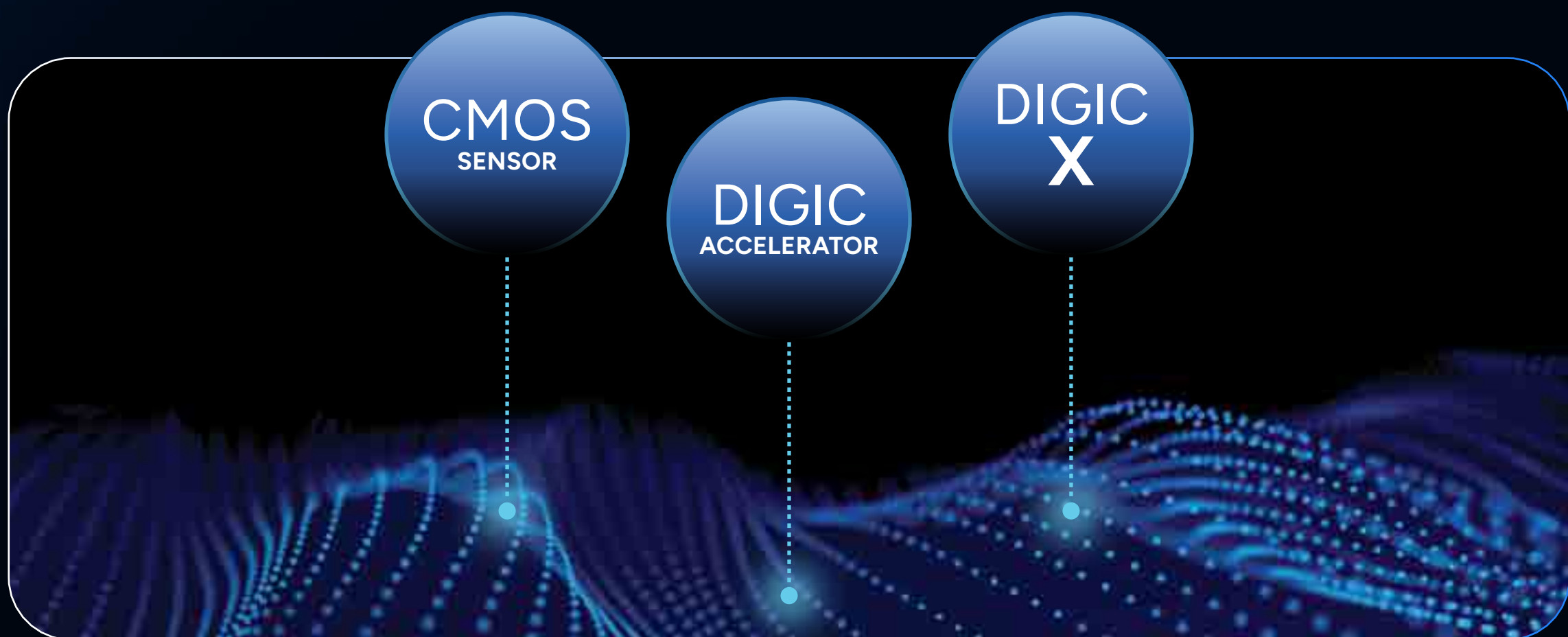

Accelerated Capture

The EOS R1 is one of the first EOS R cameras to integrate the all-new DIGIC Accelerator with the DIGIC X image processor. Alongside the 24.2 megapixel CMOS sensor, the new system processes tremendous amounts of data and conducts high-level analysis, which powers a range of key functions including high-speed shooting, fast and precise AF tracking, and simultaneous photo and movie shooting.

IMPROVED CAPTURE
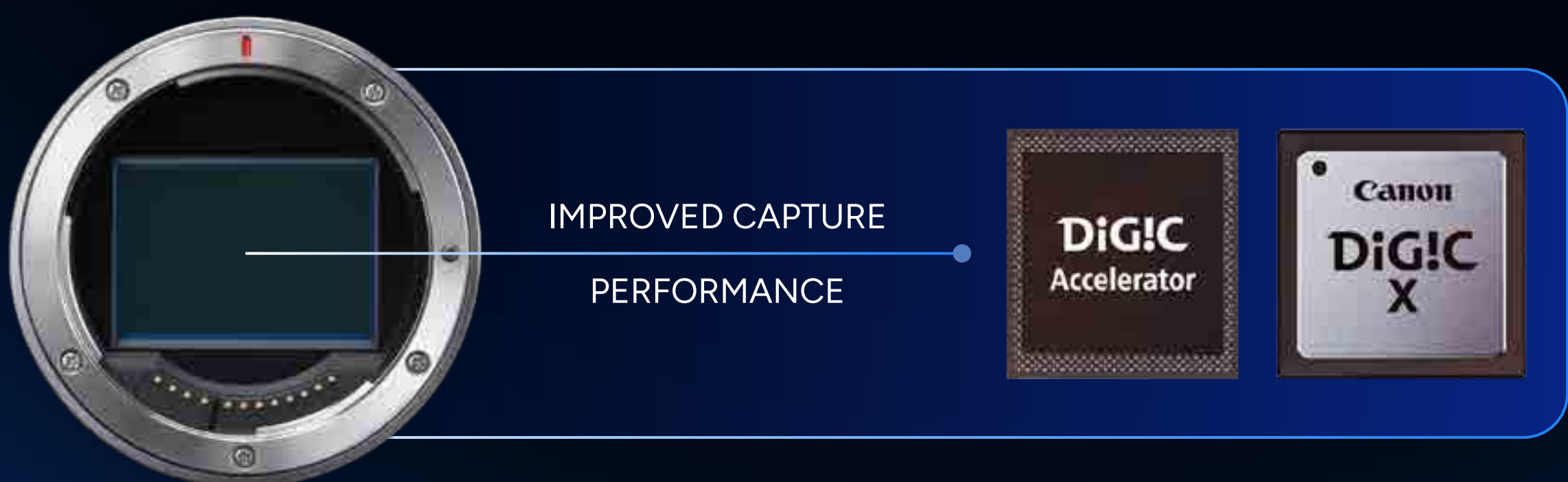
PERFORMANCE

Deep Learning Technology

More intuitive and autonomous shooting with the EOS R1. Deep Learning (DL) technology employs complex neural network and analysis algorithms for high-performance shooting in complex situations. Areas such as in-camera upscaling, noise reduction, AF performance and accuracy in auto exposure and white balance are greatly improved.

Integrating Accelerated Capture and Deep Learning Technology

Accelerated Capture
- Faster continuous shooting and readout speed
- Minimal rolling shutter distortion
- Simultaneous high-speed capture of still photos and movies

Deep Learning (DL) Technology
- Improved image quality
- In-camera Upscaling
- Neural Network Noise Reduction

Enabled by Accelerated Capture & DL Technology
- Advanced AF through high-speed data analysis
- DL AF tracking, Action Priority and Register People Priority
- Continuous shooting up to 40 FPS

02 Drive Advancements

Ultra High-Speed Performance

A master in speed. Capture more frames that express the winning moment with uncompromised high-speed continuous shooting, minimal rolling shutter distortion and anti-flicker support, ensuring you get sharp output every time.

High-Speed Continuous Shooting

Up to 40 Frames Per Sec

Nail every action as it unfolds. The advancement in electronic shutter sees a max. speed of 40 FPS[*1]. Toggle through various intermediate shooting speed settings for even more shooting flexibility. In any shutter mode, the advanced EOS iTR AF X ensures focus is always spot on, allowing you to concentrate on your composition.
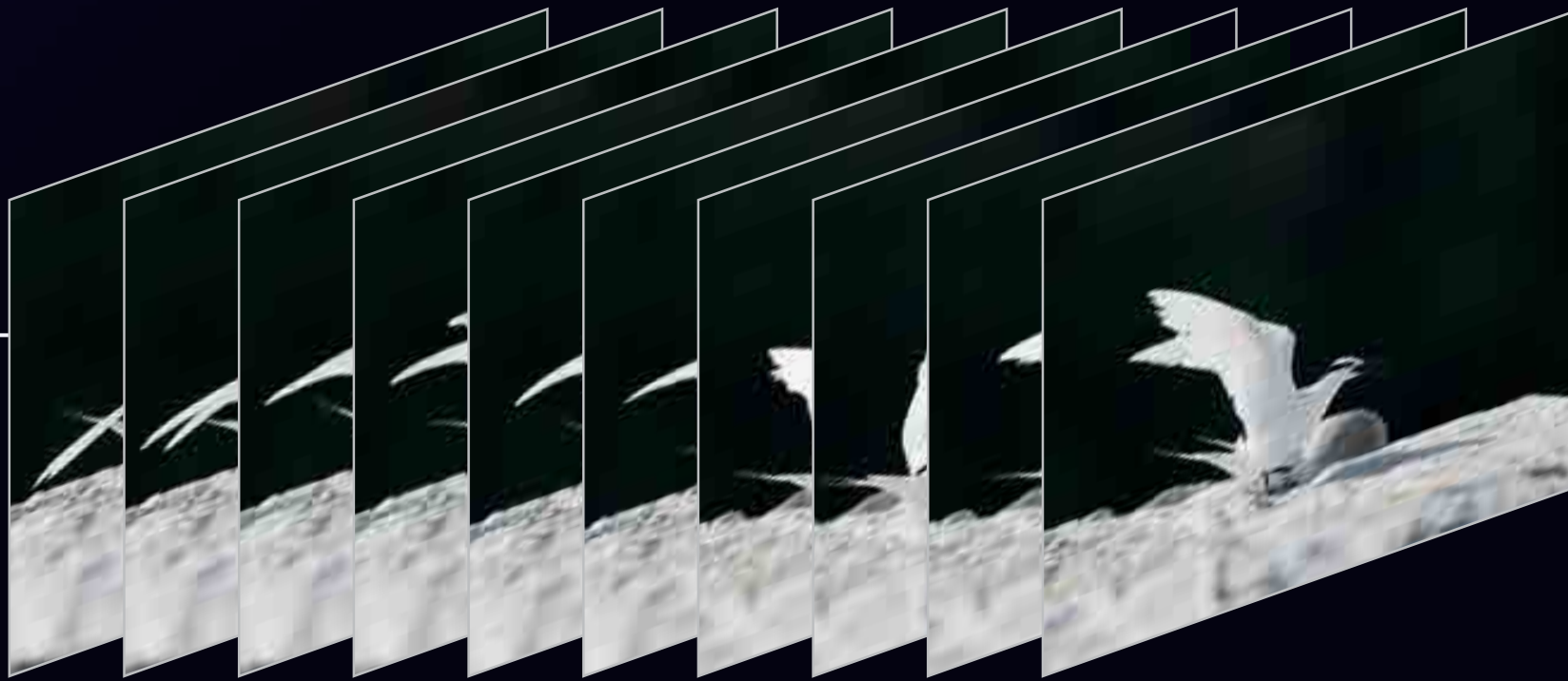
UP TO
40 FPS

Minimal Rolling Shutter Distortion

Along with the high shooting speed, the new CMOS sensor and high-speed image processing system enables the EOS R1 to capture images with minimal rolling shutter distortion, on par with the EOS-1D X Mark III mechanical shutter.

EOS R6 MARK II

EOS R1

[*1] Continuous shooting speed depends on subject/shooting conditions, camera settings, battery type/level, lenses, etc. For more information, find out more on cam.start.canon.

High-Speed Continuous Shooting

Up to 40 Frames Per Sec

Silent Shutter

More discretion where required. Shoot silently even at 40 FPS burst shooting to reduce unwanted noise when photographing wildlife or indoor performances where any sound can be distracting.

Wider Choice of Shooting Speeds

Select from a range of shooting speeds* for greater flexibility based on photography needs.

H+ Mode	H Mode	L Mode
Up to 40 fps	Up to 30 fps	Up to 5 fps

Blur/Out-of-Focus Image Detection

This new feature can automatically determine images with human faces that are blurred or out of focus. Scored using three detection levels, you can instantly review and select usable images immediately after burst shooting without having to review them on a larger screen later.

Blur/Out-of-Focus image detection
Image(s) with less blur   0/0
Low
▸ Standard
Detection level   High
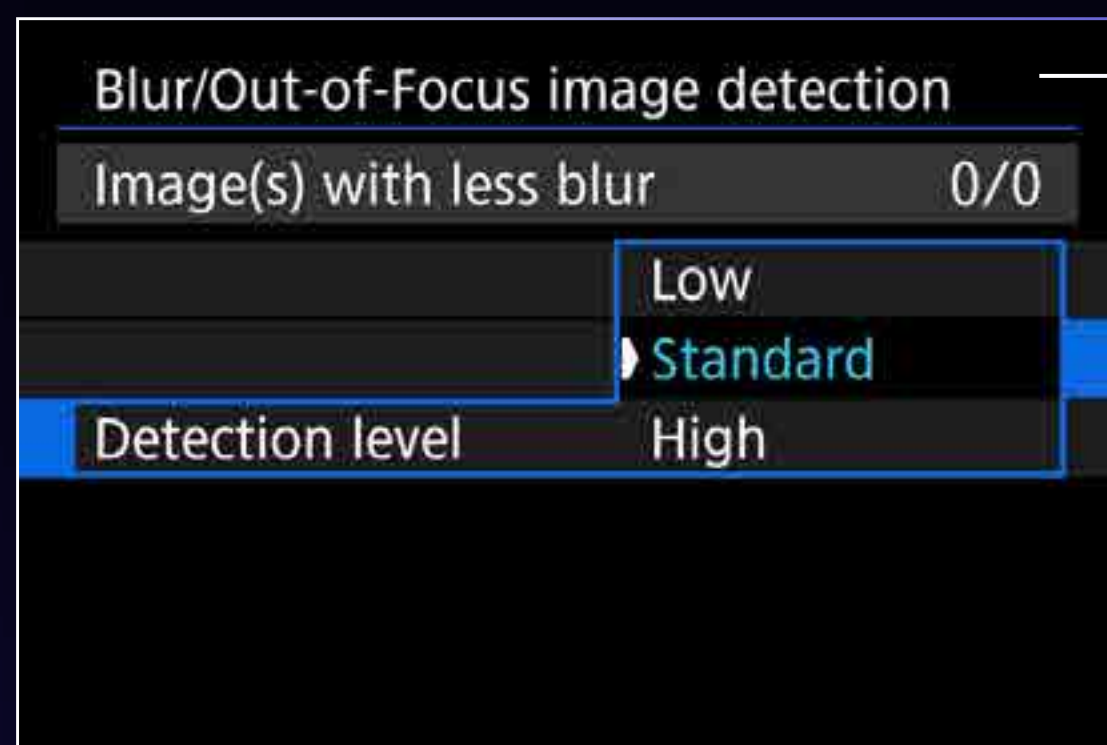
Select from 3 detection levels
For JPG and HEIF images, Image Size: L/M, and electronic shutter is set.

Icon is displayed on blurred images that have been detected.

*Continuous shooting speed may decrease due to subject/shooting conditions, camera settings, flicker, lens, and other factors. Please see the Advanced User Guide for details. For lenses that support maximum continuous shooting speeds when using Servo AF, please refer to Supplemental Information for the EOS R1 on the website cam.start.canon.

Blackout-Free Shooting
and High-Speed EVF Display

Frame, track and compose your shots without losing sight of fast-moving subjects. The EOS R1's high-speed readout and image processing, coupled with a blackout-free Electronic Viewfinder (EVF) enables you to capture every key moment with no interruption.

The EOS R1 EVF refreshes at up to 120 FPS to display smooth subject movement with no time lag.
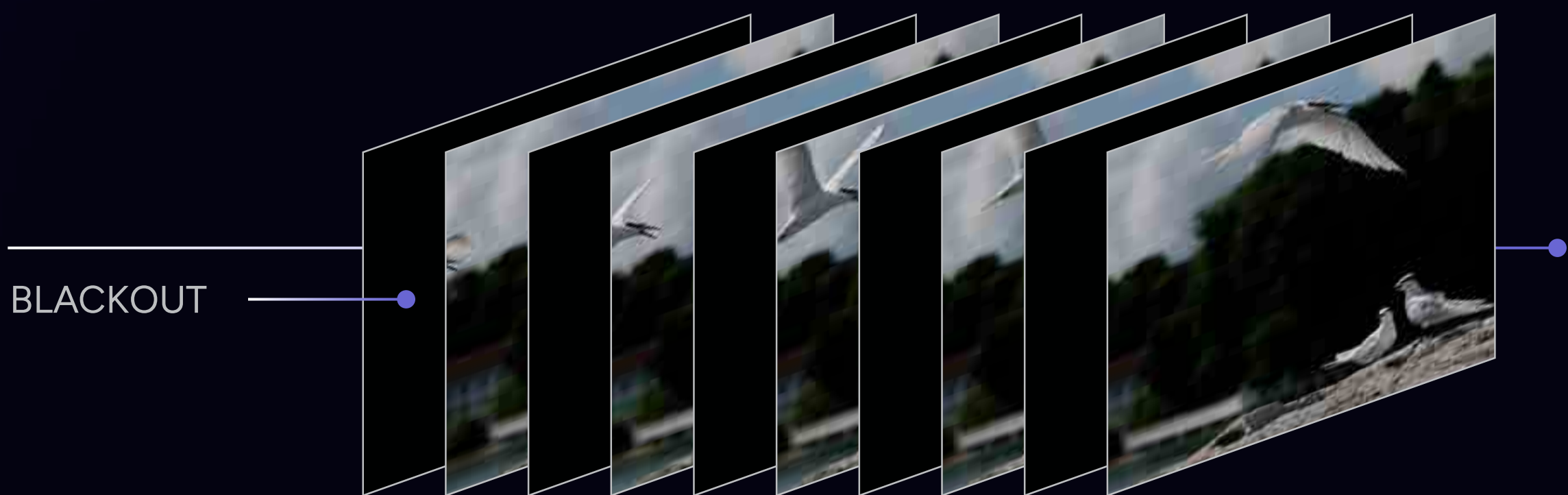
BLACKOUT

Conventional optical viewfinder (DSLR) shooting with mechanical shutter

BLACKOUT-FREE

Blackout-free shooting with electronic shutter on the EOS R1

Pre-continuous Shooting[*1]

Pre-Continuous
Shooting

At half-press of the shutter button, the EOS R1 buffers up to 20 frames before a full press, ensuring you capture crucial moments even after a late capture. Together with Action Priority AF and Register People Priority, have a peace of mind capturing fast subjects with lesser chance of missing shots. All image formats such as RAW/C-RAW/HEIF/JPEG can be selected for pre-continuous shooting.

UP TO **20** FRAMES

SHUTTER IS
HALF-PRESSED

SHUTTER IS
FULLY-PRESSED

[*1] Not available when shutter speed is slower than 0.5 sec. Not available with AEB shooting, flash photography, anti-flicker shooting, focus bracketing, and multiple-exposure shooting. [Still photo IS] is fixed to [Always on]. [One-Shot→Enabled (Magnify)] and [Enable (One-Shot→ Magnify)] of [Lens electronic MF] are not available.

Anti-Flicker Shooting

The EOS R1 effectively compensates uneven exposure caused by indoor lighting with two anti-flicker functions. Supported for all shutter modes, Anti-flicker shooting mode detects and reduces flicker caused by common fluorescent and mercury light sources.

The camera also supports High-frequency Anti-flicker shooting with an extended detection frequency band, a feature from the EOS R3, to reduce flicker from higher hertz LED light sources when using electronic shutter for capturing perfectly clean indoor scenes.

ANTI-FLICKER SHOOTING:
OFF

ANTI-FLICKER SHOOTING:
ON

Faster Flash Sync Speed and Usability

With the fast readout speeds of the CMOS sensor, the EOS R1 now supports flash photography with electronic shutter on continuous shooting in all shutter modes. The impressive high-speed sensor enables controlling of flash metering, allowing for continuous flash photography of up to approx. 15 shots/sec, or 30 shots/sec when metering is set on first shot.

Sync Speed Priority

This function allows for high-speed shooting during the flash sync time by adjusting the sync control during flash shooting[1]. When enabled, the EOS R1 electronic shutter now shoots at a faster rate of up to 1/400 sec, achieving a faster flash sync speed.

ELECTRONIC SHUTTER
1/400 SEC
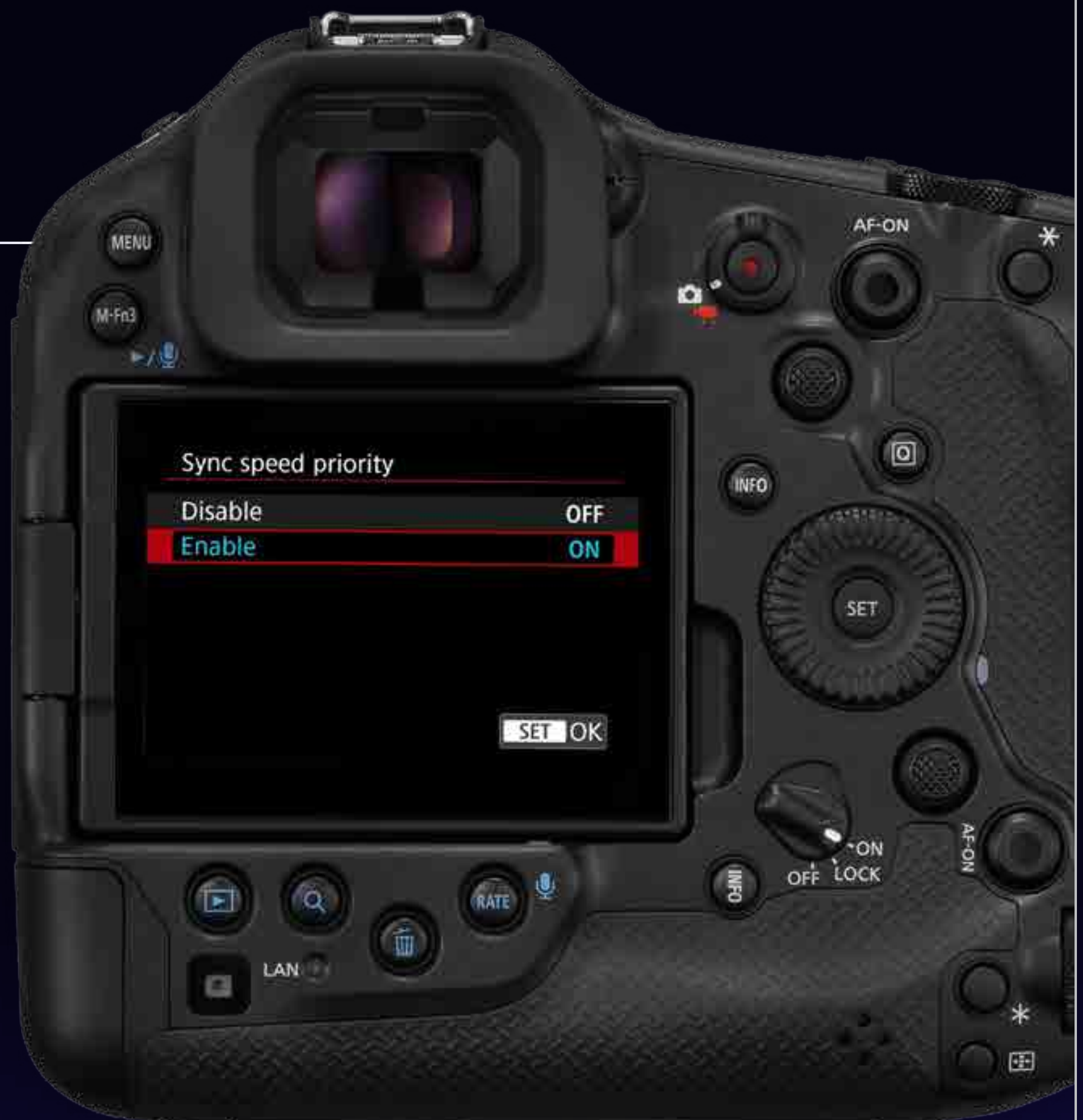
[1] Available in E-TTL/M mode when using EL/EX series Speedlites

03 Image Quality

Uncompromised Image Quality

Image quality that sets the industry standard. The newly developed stacked CMOS sensor coupled with Deep Learning allows you to produce stunning images. Further craft your images with In-camera Upscaling for creative cropping, and Neural Network Noise Reduction for dramatic low light scenes.

Image Quality Advancements

Combining both the capabilities of the new 24.2 megapixels back-illuminated stacked CMOS sensor and Accelerated Capture, the EOS R1 lets you document key moments in incredible details. The deep learning technology further optimises the way you shoot, ensuring subjects are captured sharply across a wide range of photography genre and needs.

Sports Photography
Get dramatic shots of athletes in action using fast shutter speeds.

Wildlife Photography
Capture once-only moments from birds and animals out in the wild.

Portrait Photography
Capture intricate portraits with finer skin textures and details such as hair and eyelashes.

In-Camera Upscaling

Achieve even more details through In-camera Upscaling[1]. Utilising Deep Learning, the EOS R1 can generate images[1] with 4x more resolution by doubling pixel counts vertically and horizontally, from 24.2 megapixels to 96 megapixels without additional software.

The apparent resolution of the upscaled images are maintained, allowing flexibility for heavy cropping, while still having enough pixels for printing in high resolution. Images can also be upscaled after being cropped, which speeds up the processing time while retaining its high-quality resolution.

UP TO
96 MP

2x VERTICALLY

2x HORIZONTALLY
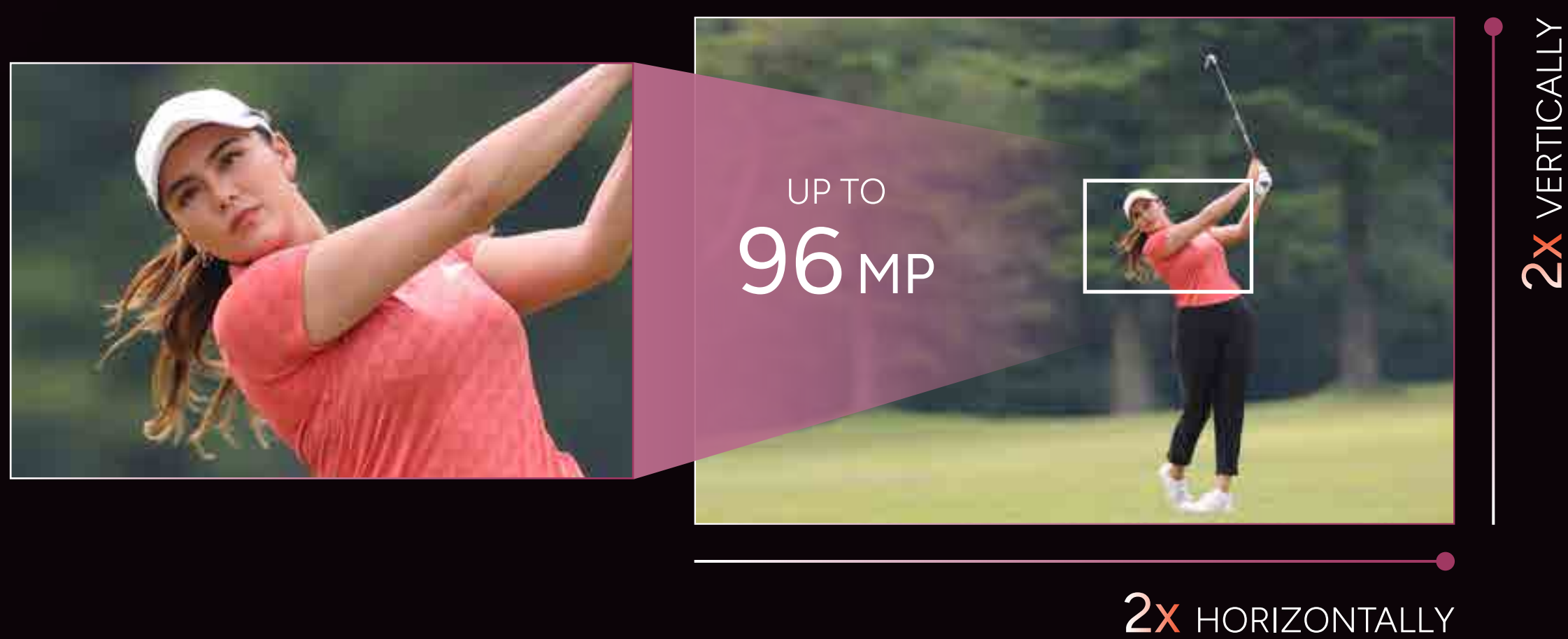
Neural Network Noise Reduction

An innovative feature which utilises Deep Learning to effectively reduce noise during in-camera RAW conversion. The EOS R1 lets you generate incredibly high quality JPEG and HEIF images taken at high ISO settings without the need of any PC or software.
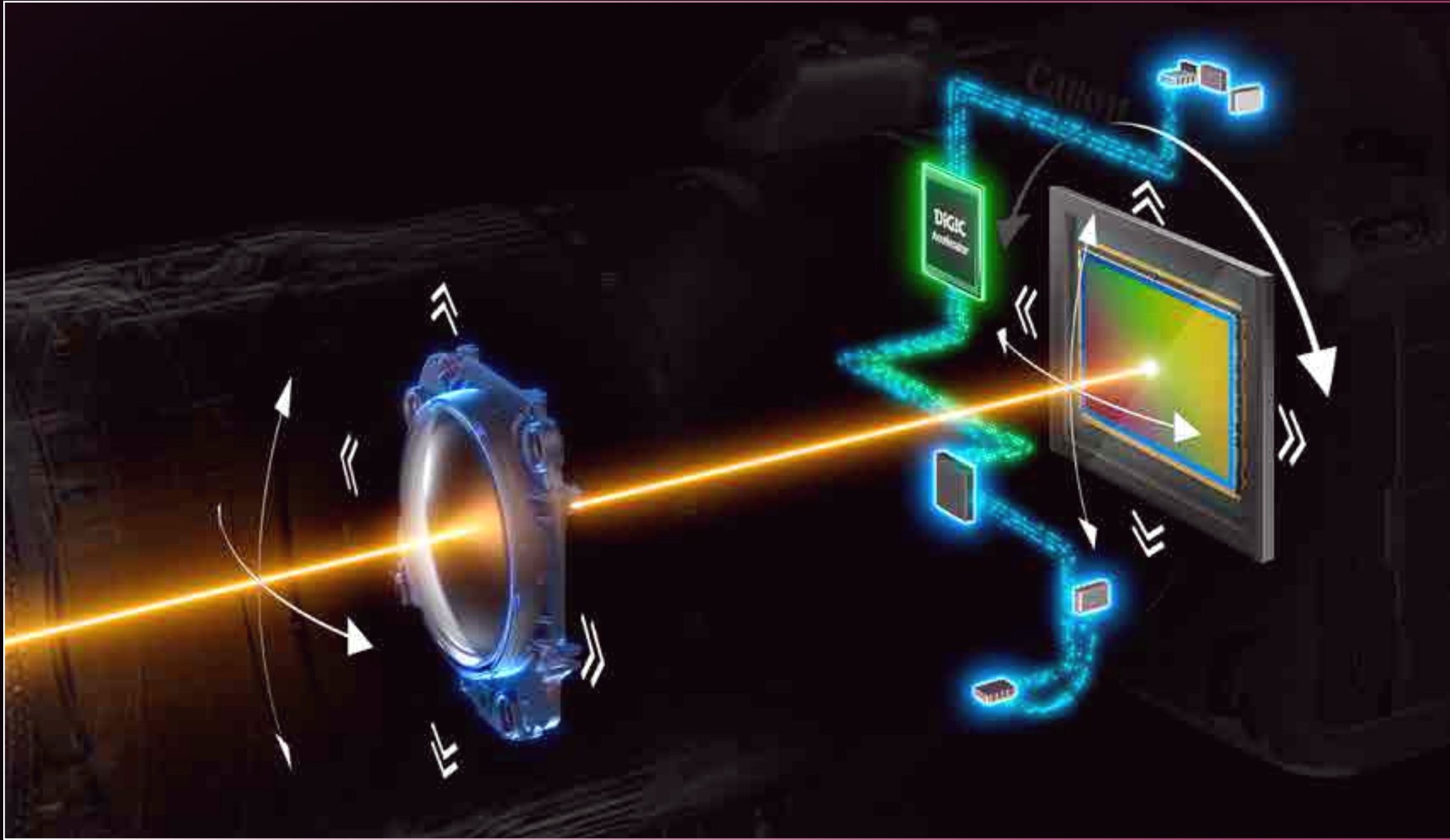

BEFORE

AFTER
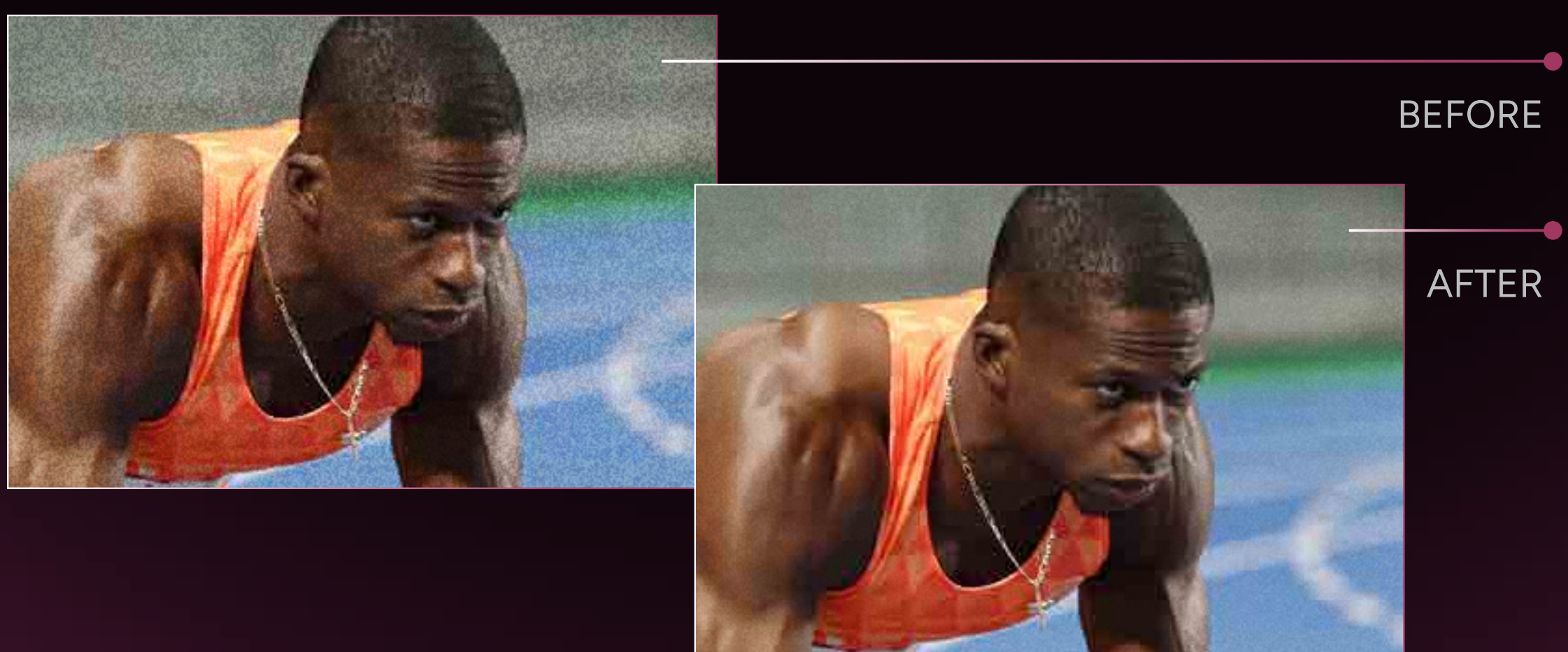
[1] HEIF or JPEG files only.

In-Body Image Stabiliser (IS)

IN-BODY
IMAGE
STABILIZER

Featuring a 5-axis in-body IS, the EOS R1 provides stabilisation to a wide range of photography needs. With the roll operation range expanded compared to the EOS R3, stabilisation is more effectively achieved.

Improved Algorithm for Image Stabilisation

Through a new and improved algorithm, the new mechanical design allows IS (coordinated control) of up to 8.5 stops at the centre and 7.5 stops at the peripheral[1,2,3].

Peripheral Coordinated Control

When using a compatible lens[3] or shooting in wide-angle, the CMOS sensor supresses any blurred periphery of the screen, enabling high quality shooting with reduced blurring.

[1] Yaw, pitch, and roll image stabilisation performance, based on the CIPA 2024 standard. RF24-105mm f2.8L IS USM Z at 105 mm.
[2] Excluding Cinema lenses.
[3] For compatible lenses, please refer to Supplemental Information for EOS R1 on cam.start.canon.

Precise Metering with Subdividing of Metering Zone

Experience an enhanced metering control for more precise exposure even in compositions where the subject's face is small. Subdivided into 16x more zones, the EOS R1 lets you shoot with highly accurate subject exposure and white balance controls regardless of the subject's distance and position.
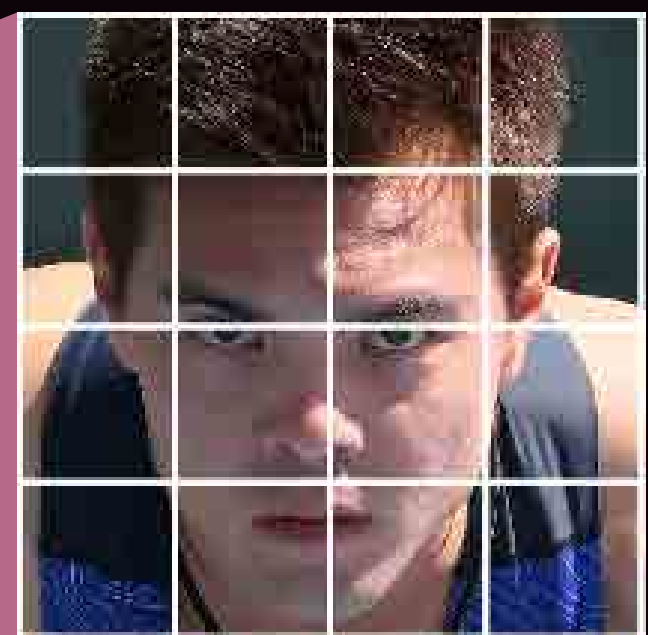
Previous Models
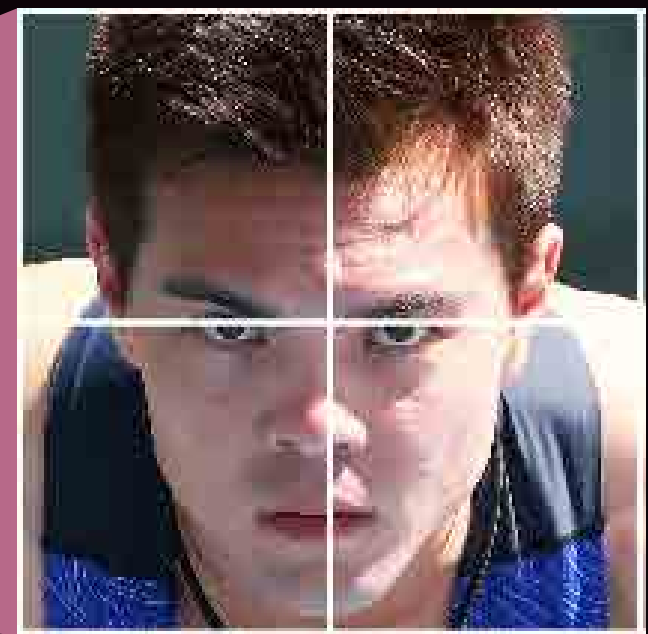
24 x 16
384 zones

EOS R1

96 x 64
6144 zones[*1]

[*1] When shooting still photos. For movie recording, DCI: 4800 zones (96x50), UHD: 5184 zones (96x54).

AE Subdivision and Deep Learning Applied to White Balance

Deep Learning in the EOS R1 brings enhancements to white balance performances. By applying the subject's information retrieved from sub-divided metering zones, the camera uses advanced algorithm to determine white balance in various scenes automatically.

Improvement Area	White Balance Improvement	AE Improvement
Green Plant Detection	Reduces bluish tint and reproduces vivid greens in shots with natural greens (plants, lawns, etc).	-
Sky Detection	Detects skies that are partly cloudy or not entirely blue and adjusts the correct white balance, reducing reddish tint.	Improved Movie AE adjusts subject brightness appropriately without being influenced by sky colour
Human Skin Detection	Detects skin tone when face is not detected or low colour temperature lighting, and adjusts colour appropriately.	Determines skin area to provide proper exposure even with sunglasses, masks or side-lit shooting. Engages with Auto Lighting Optimiser to adjust contrast appropriately.
Shade	Avoids bluish tint in shaded areas, and adjusts colour appropriately.	-

04

AF Advancements

Instantaneous AF Automation

A next generation of AF system through Deep Learning and high data readout speeds.

The EOS R1 automates multiple autofocus capabilities and recognises your subjects intuitively. From documenting different sports to animals, experience persistent AF that never misses decisive moments.

Dual Pixel Intelligent AF with Cross-Type AF

A first for Dual Pixel CMOS AF, the EOS R1 features a Cross-type AF tracking of up to 100% of the sensor area[*1]. This improves AF reliability and stability, especially on subjects affected by patterns and obstructions such as horizontal lines.

01 Horizontal line detection

02 Vertical line detection
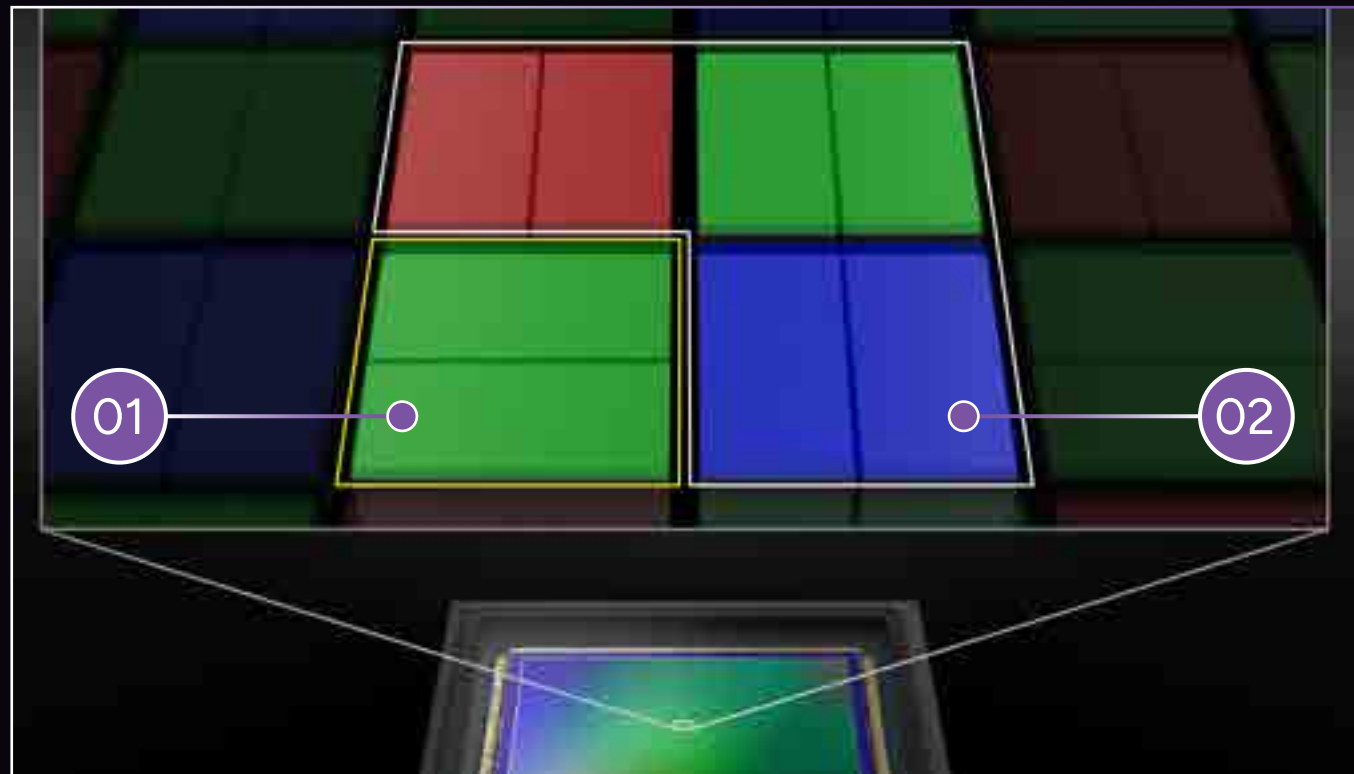
01 Vertical split

02 Horizontal split

03 Vertical line detection

04 Horizontal line detection

Cross-pattern Detection

[*1] Only applicable using the electronic shutter, or the electronic 1st-curtain/mechanical shutter in H/L mode; Not supported when using pre-AF or focus guide.

Deep Learning (DL) Tracking
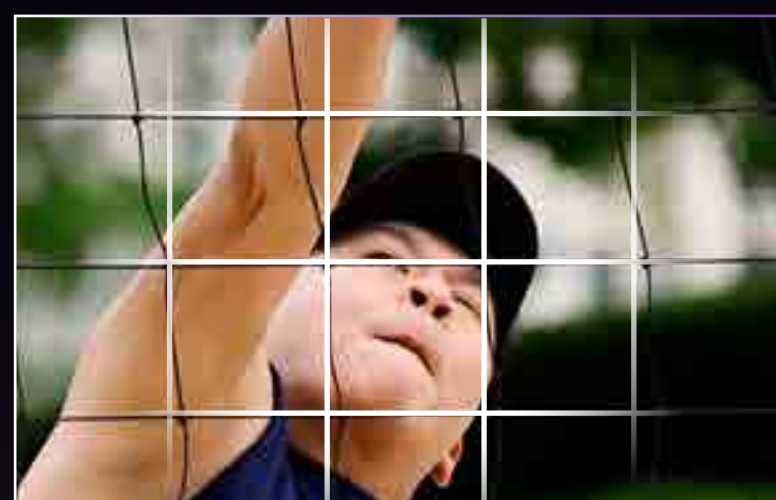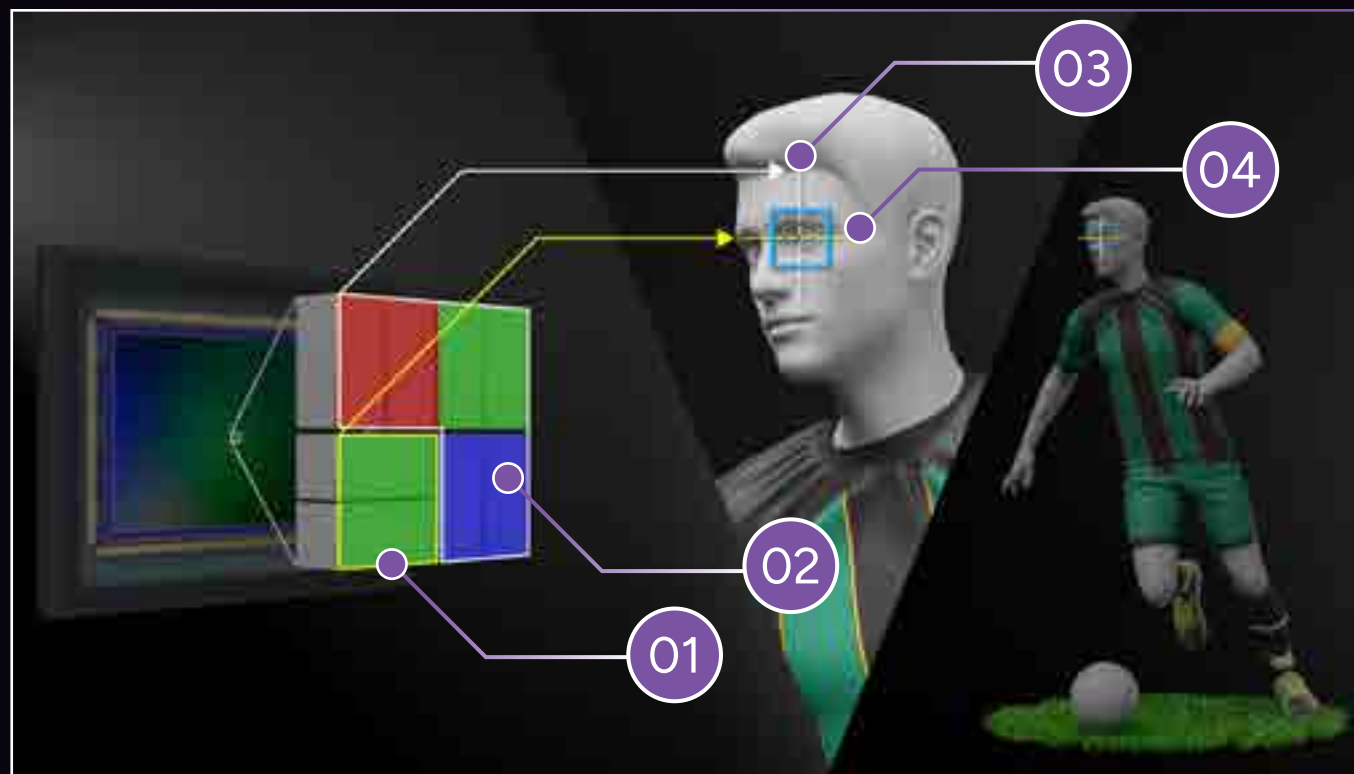
Dual Pixel Intelligent AF

Track subjects with greater accuracy. The EOS R1 keeps focus locked onto your tracked subjects, even when they are momentarily obscured by similar subjects crossing in front. Tracking of smaller subjects is also made possible now. This is particularly effective for capturing dynamic movements, allowing you greater flexibility in shooting sports, wildlife and performance arts.

Tracking with Crossing Subjects

The algorithm in the camera is able to learn and distinguish the subject you are tracking. In scenarios such as team sports, the focus is locked onto the intended subject when they are momentarily crossed by other similar subjects.

Obstacle Avoidance

The EOS R1 is also able to recognise the subject's head and distinguish obstacles in their proximity, ensuring the focus stays on the track even when obstacles are crossing in front or are partially blocking your subject.

Action Priority AF

Action priority

Incredible continuous tracking for decisive moments in sports photography. This new feature can now identify unique actions to soccer, basketball and volleyball.

With deep learning, the EOS R1 analyses data such as ball position, joint movements and presence of multiple subjects, and automatically shifts AF to the subject executing crucial actions during the game.

Sports Events and Identifying Actions[1]

Soccer	Basketball	Volleyball
Shooting / heading / short pass / long pass / dribbling / clearing / place kick / goalkeeper save / throw-in / sliding	Shooting / rebounding / passing / dribbling / free throws / jump balls	Spiking / tossing / receiving / serving

Added Subject Tracking

Widen your scope of shooting scenarios with a larger variety of subjects. Apart from dogs, cats and birds, the EOS R1's Animal Priority is also able to detect horses, while the Vehicle Priority for aircraft such as jets and helicopters are also added, on top of motorsports and trains.

The AF automatically detects and tracks the subject regardless of which priority settings applied, giving you greater automation when tracking different subjects.

New Tracking Subjects Added		Parts used for detection
Animal Priority[2]	Horses	Eyes / Face / Entire body
Vehicle Priority[3]	• Trains • Aircraft (Jets, Helicopters)	All / Spot

[1] Only available for still photos and electronic shutter. Identification accuracy may decrease due to the subject being small on the screen, partially hidden, or crowded by multiple subjects.

[2] Some animals cannot be detected. In some cases, animals other than dogs, cats, birds, or horses may be detected as subjects.

[3] Some vehicles cannot be detected. In some cases, vehicles other than cars, motorcycles, trains, or aircraft may be detected as subjects.

Register People Priority

Advances in
register people priority

Detect specific people for tracking by registering their faces in advance for constant tracking performance. With Deep Learning, store up to 100 faces[1] in the EOS R1 and select the specific individuals to prioritise tracking automatically.

Particularly useful for concerts, sports, scenes involving multiple people, and when the subject changes directions frequently, as long as their face remains visible[2].
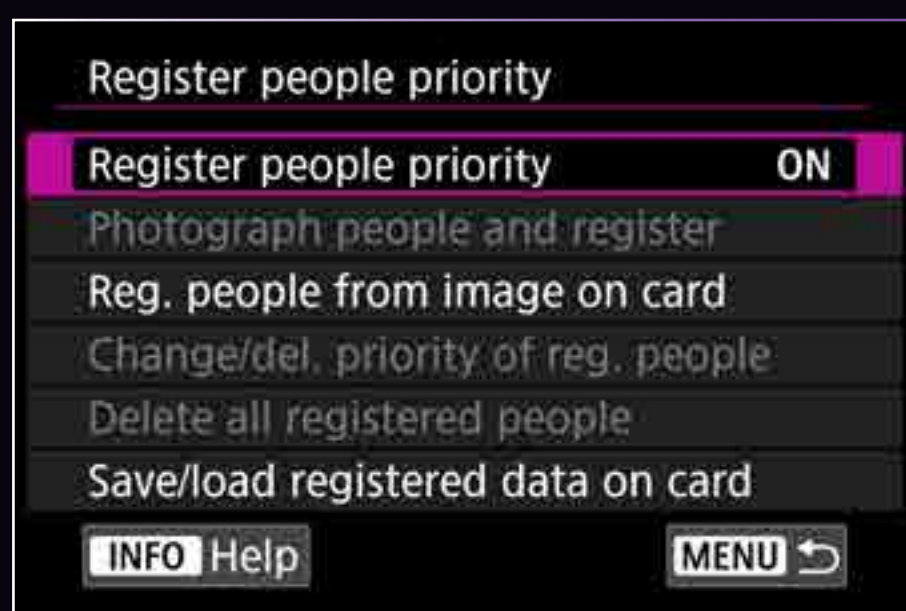
Registering People

Register people in two ways: Take a photo of the subject in advance and register them, or register their faces from an image in the camera.

Setting Priority

Tracking priority of registered people can also be changed. Registered data can be saved or loaded onto a memory card.

[1] Max. 10 people can be registered in the camera, and max. 10 files can be saved on a card; therefore, up to 100 people can be registered.
[2] Detection accuracy may decrease due to face brightness, size, facial expression, movement, and obstruction.

Eye Control AF*1

Eye Control

The newly developed compact optics and line-of-sight sensor in the EOS R1 consist an approx. 307,000 pixels that accurately detect your eye movements. The high pixel count allows you to shift focus intuitively between multiple fast-moving subjects*2 accurately without having to look away from the EVF or manually select the focus zones.

AF point moves
to line of sight
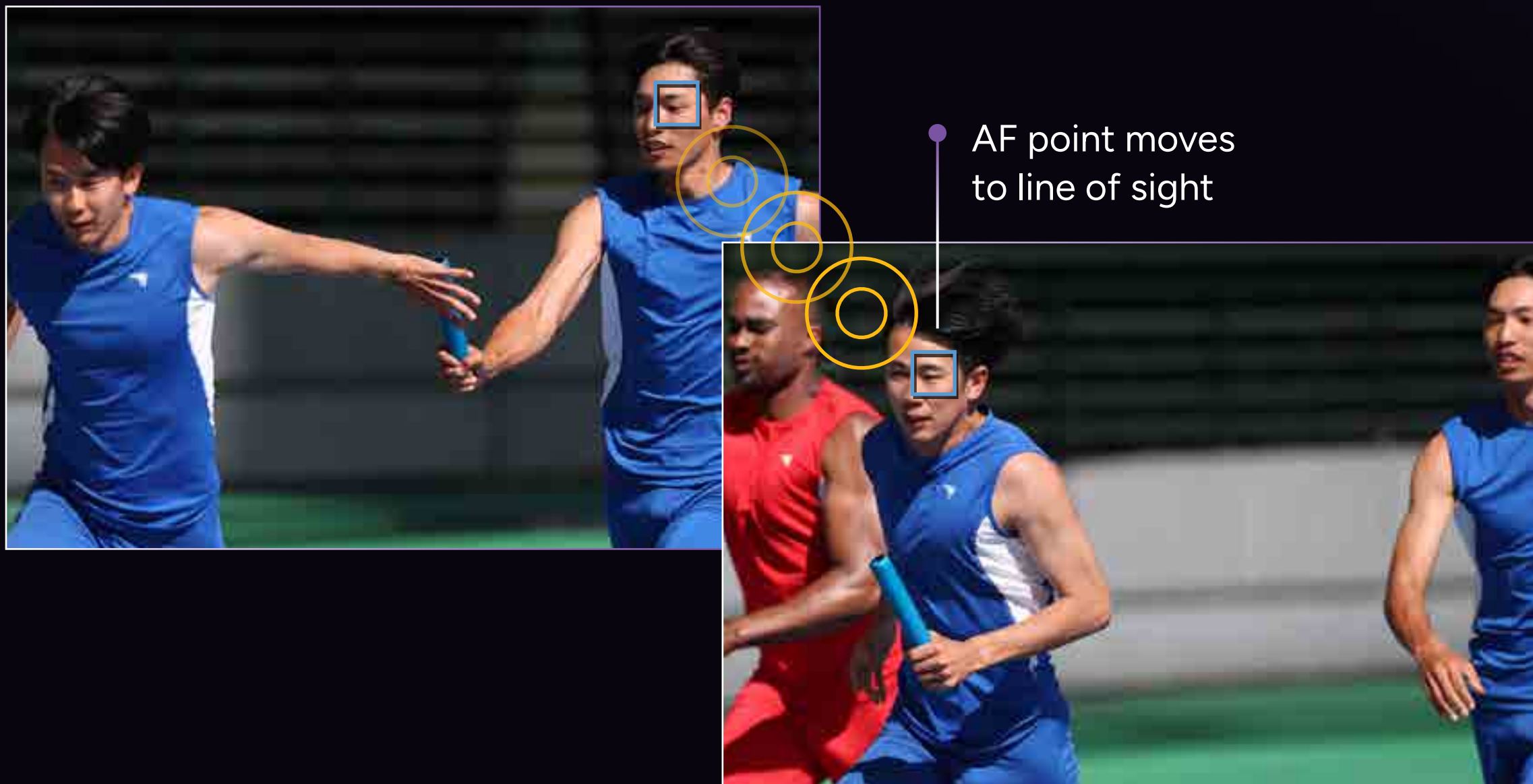
The EOS R1's Eye Control offers a larger detection area, increased accuracy and detection stability, and a detection cycle of up to 60 FPS, 2x faster as compared to the EOS R3.

EOS R3
DETECTION RANGE

EOS R1
DETECTION RANGE
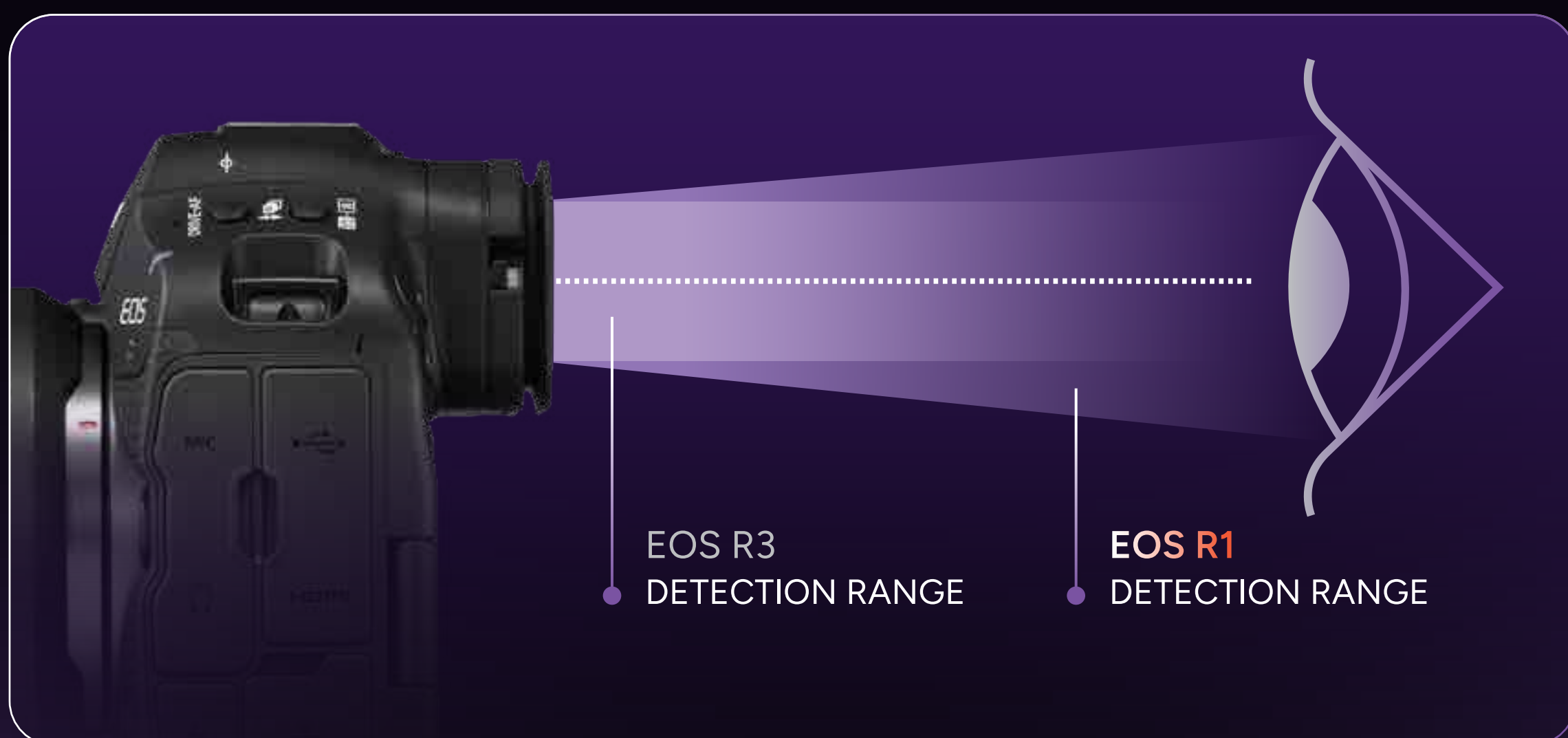
*1 Eye Control is not available during movie recording.
*2 Eyes and heads can be tracked for autofocus.

05

Movie Performance

Movie Performance Advancements

The EOS R1 is updated with Cinema EOS standard workflow integrations to give professional photographers added flexibility in documenting crucial moments through quality videos, streamlining workflow on and off site with just a single camera unit alongside taking still images.

6K 60p RAW, 4K 120p, FHD 240p Movies

60p
6K RAW

120p
4K

240p
FHD

Record clear footages with 6K 60p RAW and have the flexibility to crop into subjects in focus while keeping stunning resolutions. Further broaden your options with a wide variety of formats such as dramatic slow-motion videos with 4K 120p, and Full HD 240p with audio. The EOS R1's powerful processing system enables you to record video with less noise even at high ISO speeds, and reduces rolling shutter distortion in documenting action scenes.
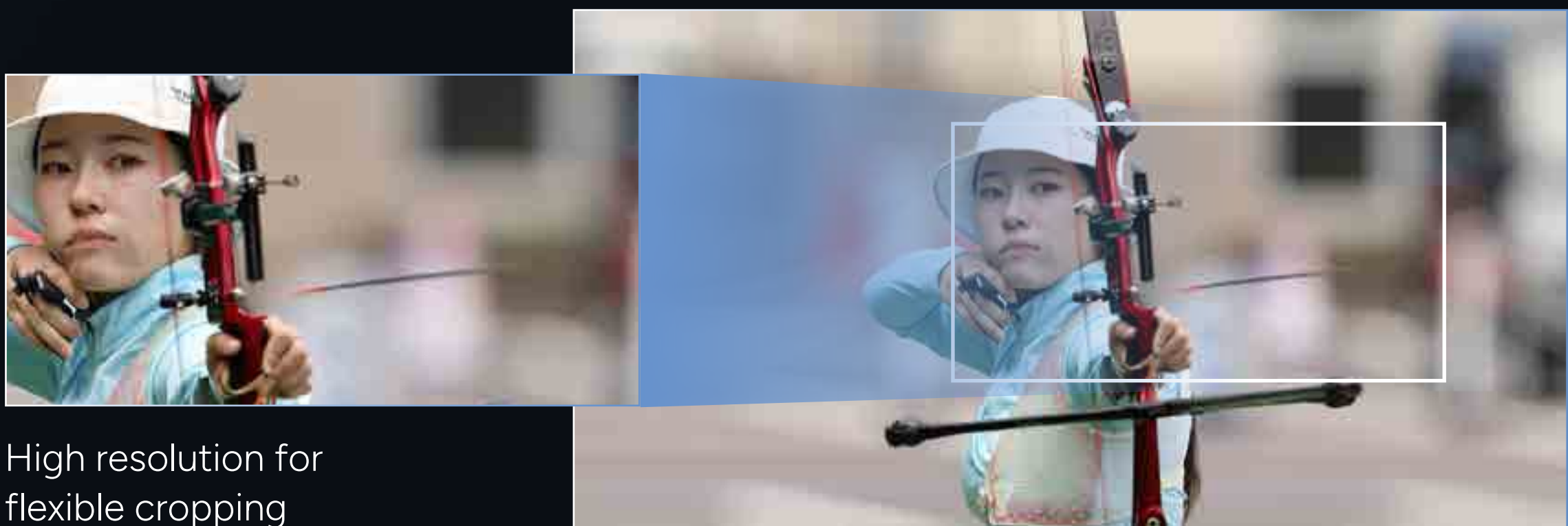
High resolution for flexible cropping

Longer Recording Time

Have the confidence to record videos over prolonged periods.
The EOS R1 is designed with heat-dissipating architecture that regulates optimal temperatures for long hours of shooting in 6K 60p or 4K 120p.

01 Aluminium alloy plate

02 Heat-dissipating graphite sheet for CMOS sensor

03 Heat-dissipating sheet for card slot
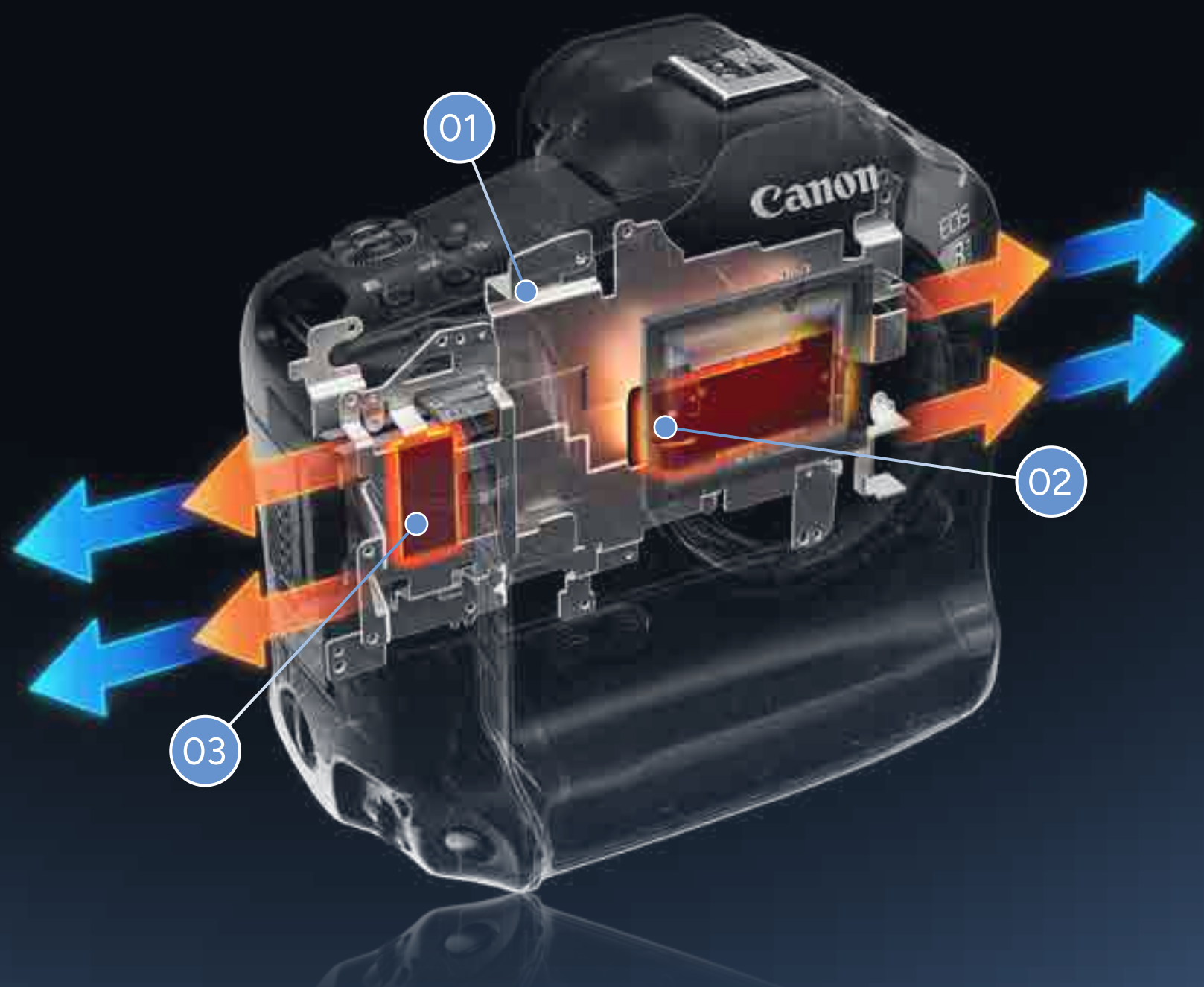
Dual Shooting for Stills and Movies

Document the best of both worlds simultaneously on the EOS R1. Work more efficiently as you can record movies in FHD 60p while capturing approx. 17.8 megapixels single images, or continuous stills shooting at up to 10 FPS at the same time.

This feature is particularly useful for news agencies and journalists who need to record interviews while taking still photos together, without the need to toggle between modes for greater convenience and flexibility.

REC | IN PROGRESS

17.8 MP
16:9 JPEG IMAGE TAKEN
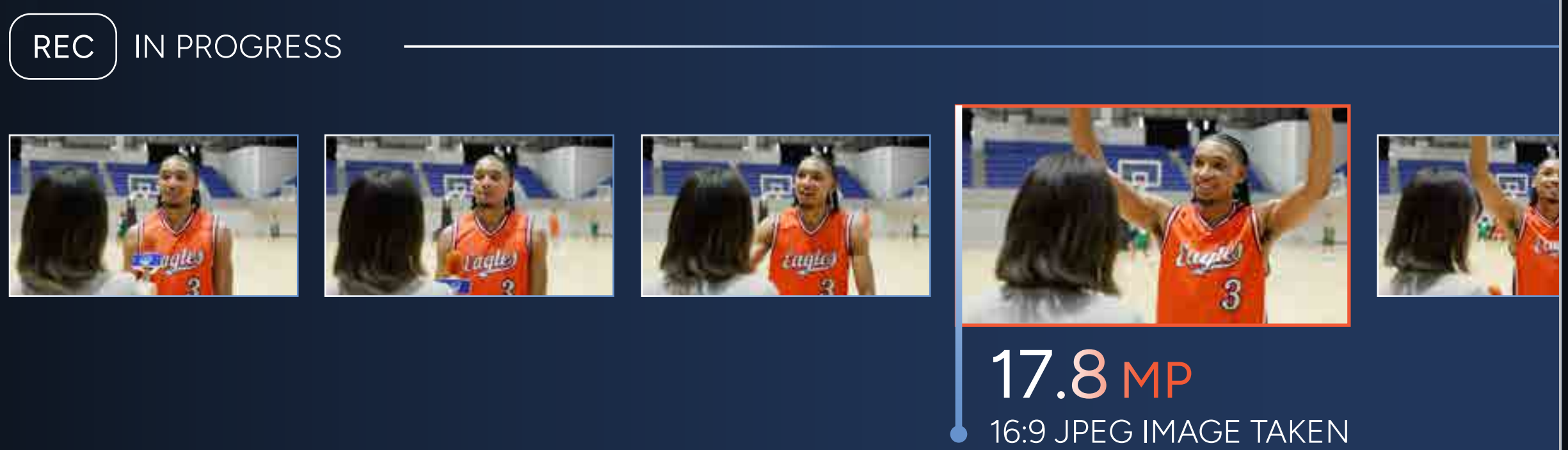
Pre-Recording Setting[1]

Start recording moments right before they happen to ensure you never miss crucial footage. The feature lets you capture 3 or 5 seconds before the record button is pressed, so any critical moments in action are captured which otherwise are unexpectedly missed.

PRE-RECORDING UP TO
3 or **5 seconds**

REC | BUTTON IS PUSHED
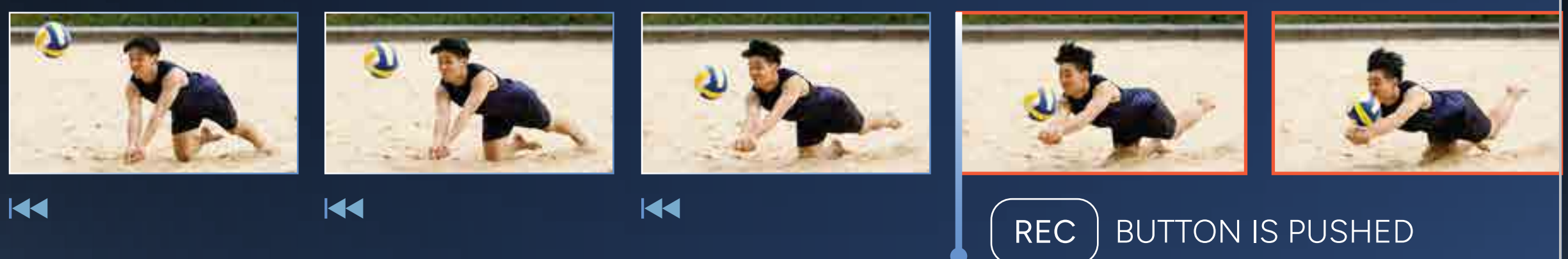
[1] Touch sounds are not played during pre-recording. Electronic level and histogram are not displayed.

Simultaneous Proxy Recording

The EOS R1 offers you the option to record lighter-sized proxy footages concurrently with high-resolution RAW footages, and transfer it for offline editing, before applying the edits to the original footage. Look files can also be applied to the proxy footages, previewed and adjusted without modifying the original file.

Workflow Example

CFexpress Type B — Slot 1

CFexpress Type B — Slot 2

SHOOTING

6K 60p RAW

+

Proxy 2K

Simultaneous Recording

Priority Transfer

POST-PRODUCTION

4K Footage Processing

4K Finished Package

Applied

Non-linear Editing/ Grading
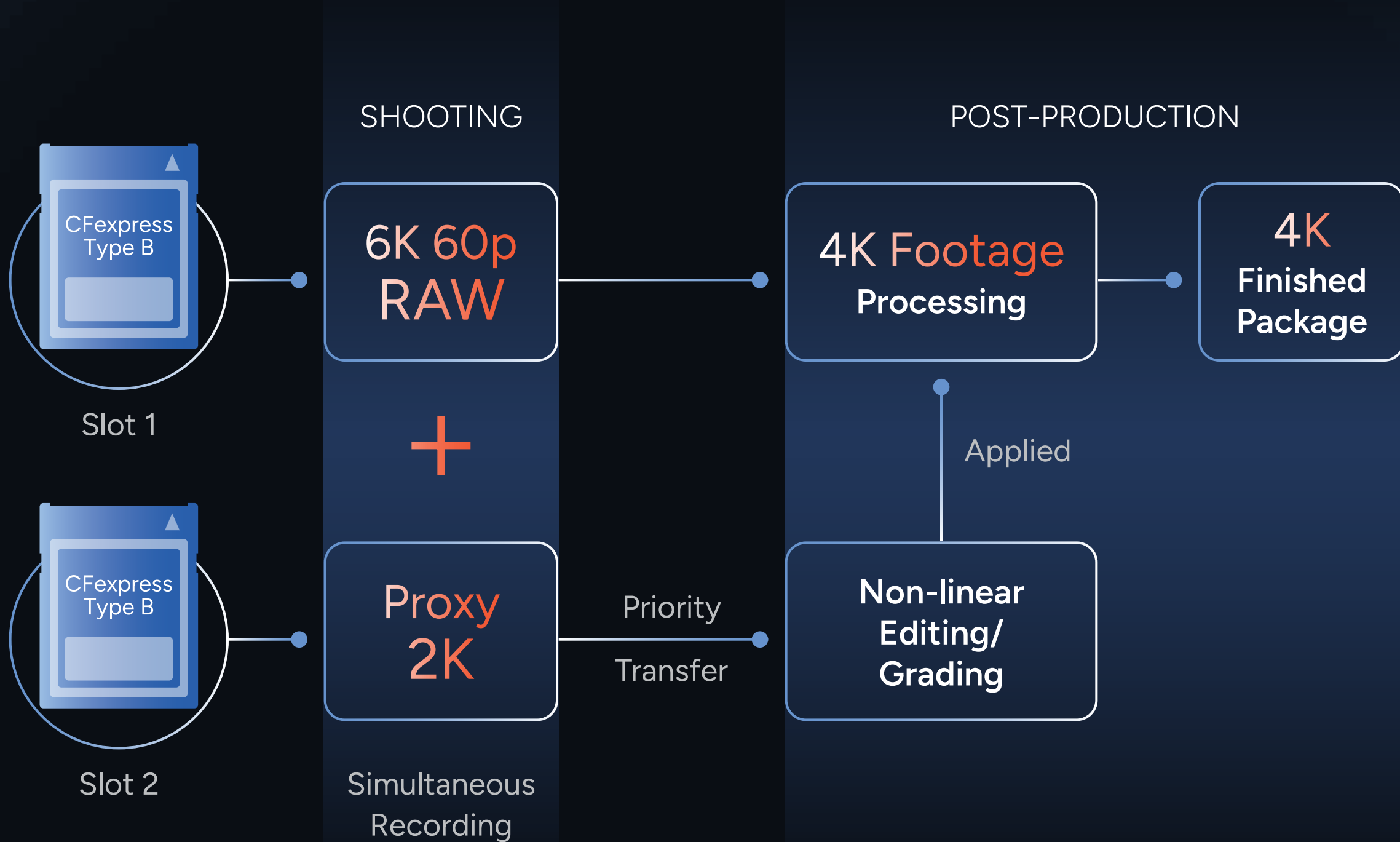
Movie AF Features

Create compelling content with the EOS R1. Wider support in Cinema EOS AF and MF modes allow you to cover a wider range of scenarios from news, documentaries to wildlife videography.

Focus Breathing Correction[*1]

Compensates for changing angles of view due to focusing, and records high-quality movies[*2] of all video formats with minimal focus breathing.

Focus Guide

Displays visual indicators for focus movement direction and estimated distance to subject during manual focusing.

Focus Guide Indication Examples
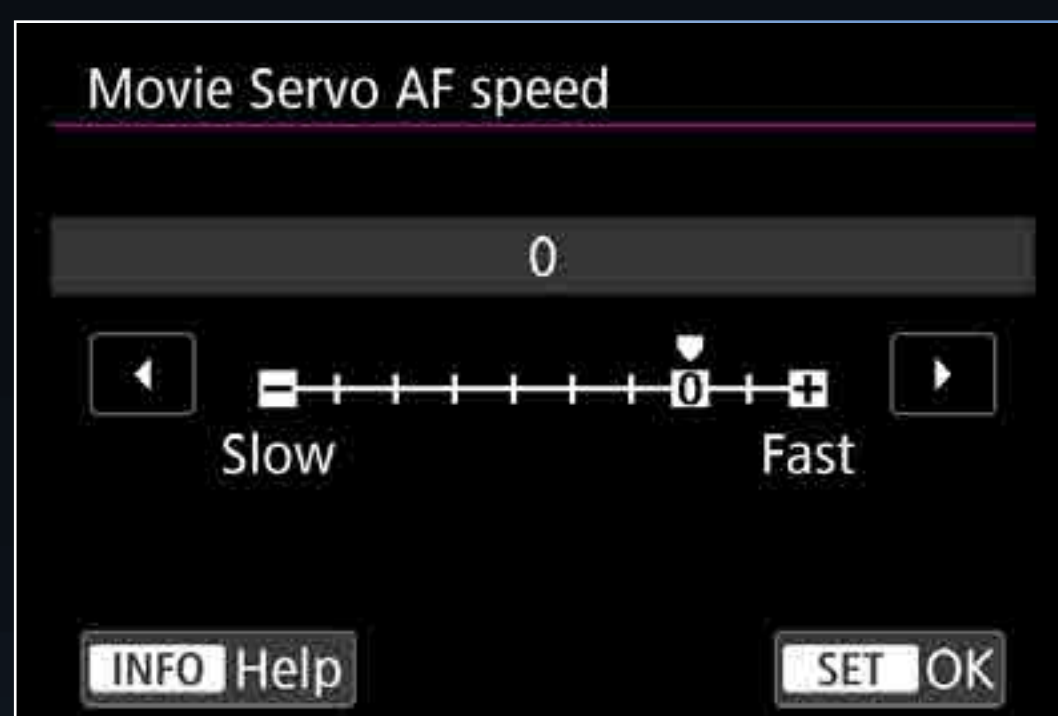
Movie Servo AF Focusing Speed

Adjust ten focusing speed levels according to the visual effects you need for your scenes.

[*1] Field of view becomes narrower when focus breathing correction is used. Refer to Canon website for compatible lenses.
[*2] Digital Photo Professional/Cinema Raw Development required for RAW movie correction.

Movie Digital IS

IN-BODY IMAGE STABILIZER × OPTICAL IMAGE STABILIZER

The EOS R1's built-in 5-axis in-body image stabilizer reduces blur from camera shake even when using a lens without an optical IS (OIS) system. Achieve sharper and more stabilised video footage when paired with compatible RF lenses with OIS[1].

IS TURNED
ON

Coordinated Control with Movie digital IS[2]

Coordinated Control commands in-body IS, optical IS and Movie digital IS, achieving greater image stabilisation. Take advantage of the flexibility of handheld shooting and shoot stable videos from various interesting angles with suppressed peripheral blur.

[1] For compatible lenses, refer to Supplemental Information for EOS R1 on the website cam.start.canon.
[2] When using Movie digital IS, the shooting range becomes narrower.

Cinema EOS Monitor Tools

Fine-tune the exposure of your footages with Cinema EOS monitoring tools. Calibrate exposure data more accurately regardless of monitor brightness, increasing efficiency during multi-camera shoots.

Zebra Display
Stripes are displayed for areas exceeding a specified brightness. Particularly effective in preventing white clipping.

False Colour
Shows six colours based on luminance signal level to visualise the current exposure level, preventing white and black clipping and helping you to better match exposure to subjects.

Cinema EOS Editing Compatibility

Expand your creative expression and enhance workflows through highly compatible integration with Cinema EOS, including the Canon Log 2 as standard in the EOS R1. Select HDR and BT.709-based settings straight out of the camera without the need for colour grading, and freely configure a variety of other settings to meet your video needs.

UNGRADED   GRADED

Canon Log 2

Preserves detail in medium to dark areas. Highly compatible with production settings, Canon Log 2 allows for linear output over a wider range, enabling exposure control in editing while minimising colour changes.

Canon Log 3

Generates less noise in dark areas. Known for its ease of handling, Canon Log 3 skilfully adjusts tones even with simple grading, reducing noise in dark areas while maintaining a wide dynamic range.

HDR Movie Mode

Record movies that are strikingly true to life. HDR movie mode captures scenes in a broader exposure range close to human visual perception, even in scenes with major differences in brightness. Record HDR videos in up to 6K 60p, and select between 3 shadow compensation settings to suit your needs, all without post-processing.

HDR Movie

Shadow Compensation: Standard
Enables brightening of dark areas and colour saturation adjustments.

Shadow Compensation: Off
Does not brighten dark areas, showing differences in light and dark areas.

Shadow Compensation: Brighter
Recommended when there is a stark difference in light and dark areas, and subjects in dark areas should be shown.

Imaging Settings

Enhance your shots with Canon's Custom Picture imaging setting, available on the EOS R series for the first time. Carried over from the Cinema EOS series, Custom Picture comes with a range of features to suit your cinematic shooting and editing needs.

Custom Picture

Available for the first time in an EOS series camera outside of Cinema EOS series.

Settings include Canon 709, 709 STD, and PQ/HLG.

Canon Log 2 and Canon Log 3 provide a wide dynamic range for colour grading.

All settings harness the colour science nurtured by Cinema EOS, with smooth skin tones and natural colour reproduction.

The Look (3D LUT) function made for Cinema EOS is available.

RAW/MP4 Footage Workflow

Experience maximum efficiency during post-production. The EOS R1 shares software with Cinema EOS, streamlining workflows like never before.

RAW		MP4
In-camera RAW movies (.CRM)	HDMI Output RAW Movie ProRes RAW	Canon Log 2/ Canon Log 3/ PQ/HLG/SDR

Canon Software/Plug-in

After NLE imports RAW file

Cinema RAW Development	Canon RAW Plug-in for Final Cut Pro/ Avid Media Access	Cinema Plug-in for ProRes RAW	Canon XF Utility
Develops in-camera RAW movies		Incorporates aberration correction data	Provides main and proxy movie playback as well as metadata display

DPX/ProRes/ OpenEXR

Non-linear Editing/Grading

06 Operability

Operability and Network

The hallmark of professional operability and excellent reliability. The EOS R1 is designed with multiple hardware and software tailored for maximum shooting efficiency, giving you the edge in pushing the limits of photography and videography in any shooting environment.

Highest Resolution Electronic Viewfinder

At approx. 9.44 million dots and highest magnification of 0.9x, the EOS R1's new EVF is the brightest and clearest in the EOS series, ensuring comfortable viewing experience in various lighting conditions. The EVF also comes with display enhancements, so you can check a range of information and settings without looking away from the EVF.

EVF Anti-Fog Structure

As part of the EOS R1's weather-sealing design, the EVF is sealed with an airtight structure, providing superior anti-fog performance superior to that of the EOS R3.

01 Sealing the inside of the optical system

02 Sealing
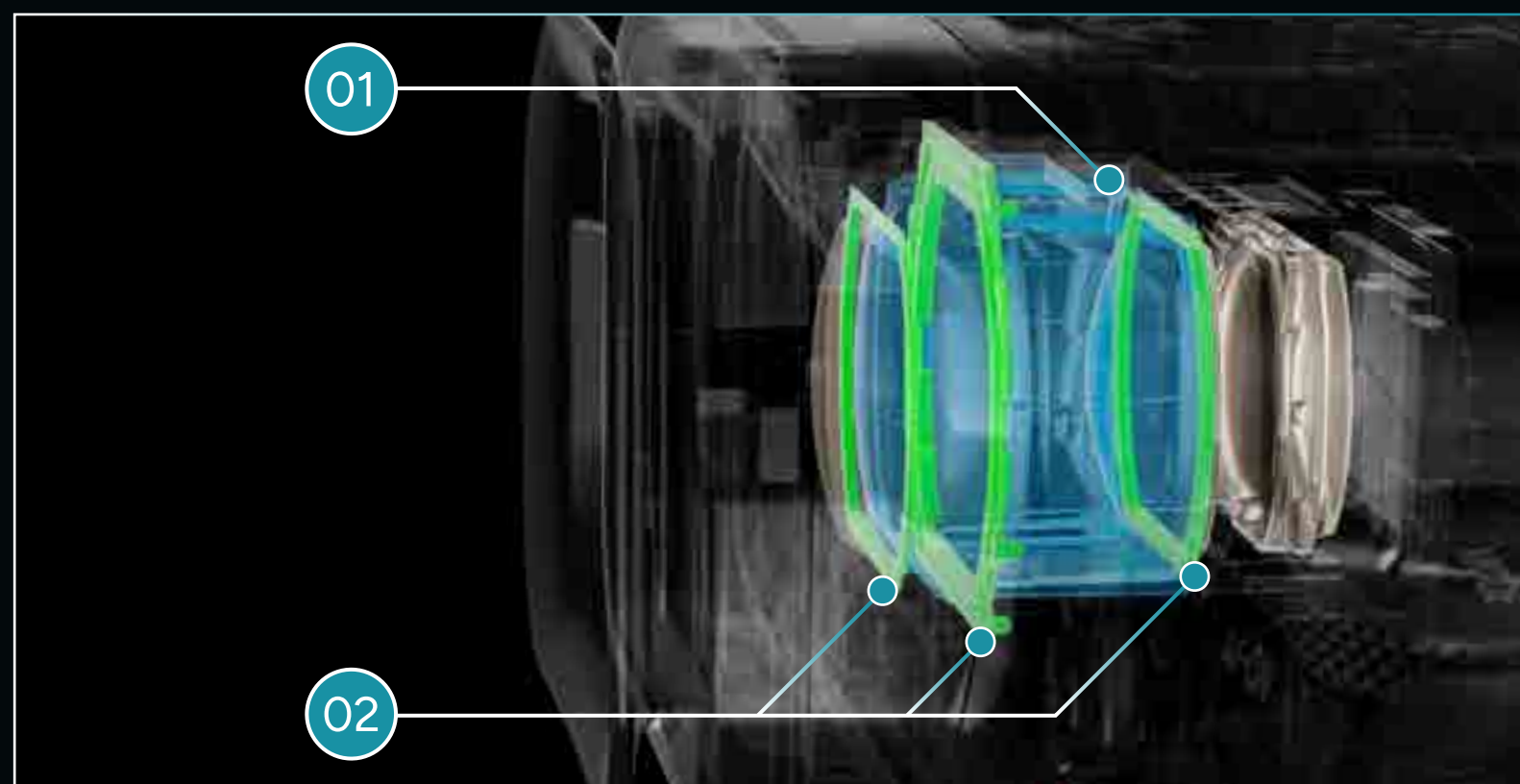
OVF Simulation View Assist

Made possible with the EOS R1's bright EVF and HDR image processing, this function lets you replicate the look of a traditional Optical Viewfinder (OVF) for a natural shooting experience. It preserves the details in shadow and highlights, allowing you to see through a wider dynamic range.

NORMAL EVF DISPLAY

OVF SIMULATION VIEW ASSIST DISPLAY

Magnesium Alloy Chassis

Pro-oriented build quality and high reliability. The EOS R1's robust chassis is highly impact resistant and offers outstanding electromagnetic shielding properties. The rigid and lightweight design also provides efficient heat dissipation during long shoots by transferring heat generated internally outwards to the magnesium body.

Dust and Water Resistance

Made to withstand rugged terrains and conditions like the EOS-1D X Mark III, The EOS R1 carries similar superb weather-sealing performance with sealing materials in connecting exterior parts. Dials axis have also been precisely designed with minimal gaps and sealed with O-rings to prevent dust and water from getting in.

Dust-and-water-resistant structure

🟥 Sealing parts

🟩 High-precision parts

Usability Advancements

The EOS R1 streamlines the way you shoot with greater comfort and convenience. It's professional workflow refined further.

Lighter Weight

The EOS R1's thinner exterior maintains strength while reducing overall weight, and is 11% shorter when compared to the EOS-1D X Mark III. The overall enhancement gives you a better handling with a wide variety of lenses.

EOS-1D X MARK III

158.0 (W) x 167.6 (H) x 82.6 (D) mm

Approx. 1,440 g

Inclusive of battery and a memory card

EOS R1

157.6 (W) x 149.5 (H) x 87.3 (D) mm

Approx. 1,115 g

Inclusive of battery and a memory card

Usability Advancements

New Grip Texture

A new cross-pattern grip design that is sleek and functional, providing a more comfortable grip in both horizontal and vertical holding positions.

Tally Lamp

The new external lamp gives clear indicator when video recording is ongoing, as well as battery status, card storage space status and temperature.

Tally Lamp

Cross-pattern
Grip Texture
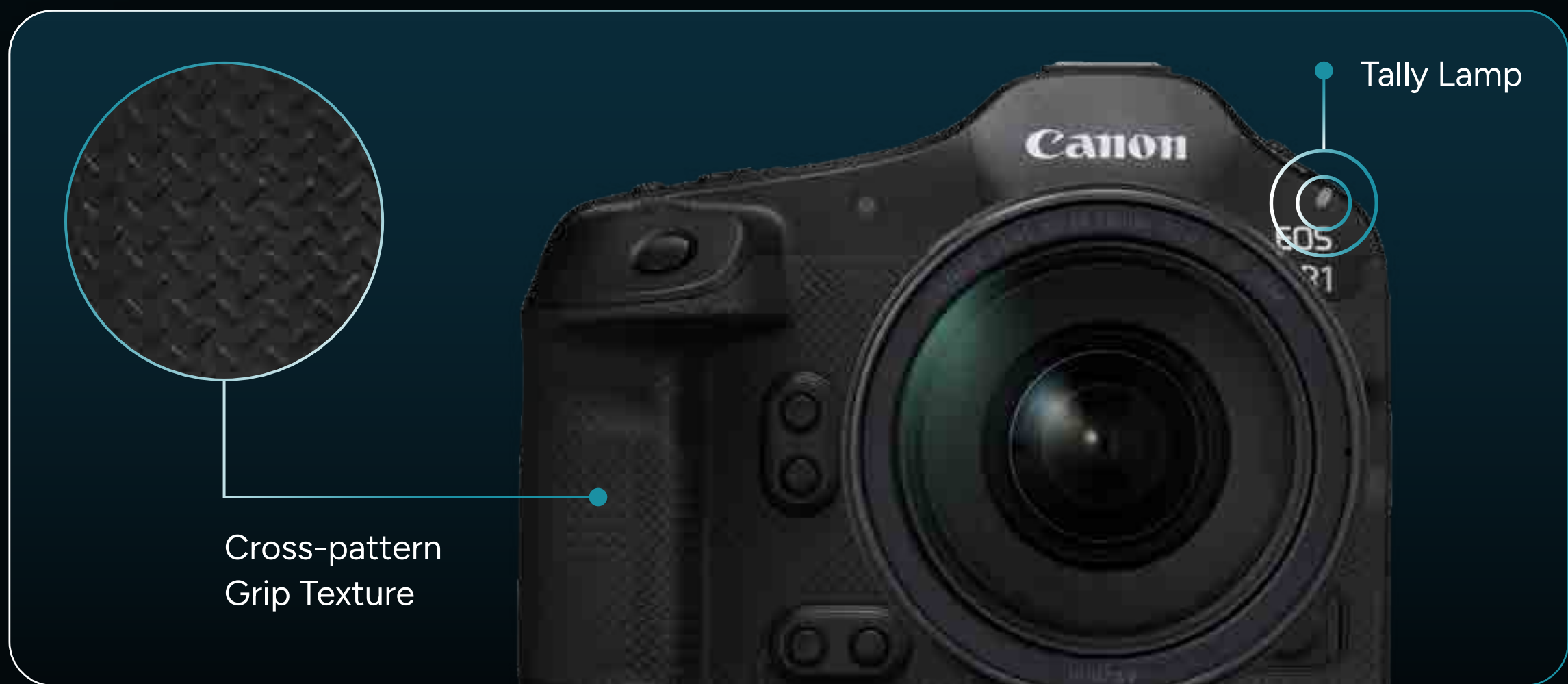
Dual CFexpress Card Slots

The EOS R1 supports two CFexpress cards for fast write speed and more storage. One card can be assigned for photos and the other to record movies simultaneously.

SLOT 1   SLOT 2

CFexpress Type B   CFexpress Type B

MOVIES   STILLS

Buttons Usability

The buttons on the EOS R1 are designed and placed to fit into your hands ergonomically, and some of them can be further customised to maximise operability under different shooting requirements.

Enhanced Button Placements

The M.Fn3 button can be assigned to start movie recording or toggle AF tracking when the camera is on a rig or when top buttons are difficult to press. The INFO button is in a new position that enables quick switching of playback information when the camera is used in vertical orientations.

Illuminated Buttons

Similar to the EOS R3, the EOS R1 features back-lit MENU, Playback, Delete, INFO, Q-Button and M.Fn3 buttons that are easier to operate when shooting in dark conditions.

Vertically positioned INFO

Buttons Usability

2-Level AF-ON Button

The AF-ON button assigns AF actions with two-level functionality, with different functions assigned to half-press and full-press. Conveniently customise your shooting workflow such as setting metering, AF start or Eye Control.

Customisable Playback Buttons

Review, manage and transfer images or footage quickly by assigning functions to the Multi-Function, Aperture and other buttons, giving you quick access for more efficiency by customising them to your shooting needs.

High-Capacity Battery System

The EOS R1 uses the same lithium-Ion battery LP-E19 (10.8V/2700mAh) as EOS R3, so you can shoot long hours with peace of mind. The battery can be charged via the same charger and charging is also supported via USB-C with the USB Power Adapter PD-E1/PD-E2.

07 Network and Connectivity

Swift Connectivity

Transfer, edit and share your work at lightning speeds on the go. The EOS R1 hosts a suite of connectivity tools and app support designed to keep your workflow efficient and flexible.

Wi-Fi 6E*/6 Support

Wi Fi CERTIFIED

A first in the EOS R series, the EOS R1 comes with standard 5 GHz/2.4 GHz support for a range of fast file transfer speeds to devices, PCs, FTP or the new Content Transfer Professional app. You can also easily connect to the Canon Camera Connect app via Bluetooth Low Energy (2.4 GHz).

2.5GBASE-T LAN Support

The EOS R1 supports fast wired LAN for stable and fast transfer speeds. Stills and videos captured with Dual Shooting can also be instantaneously shared onsite to offsite via FTP servers, which is useful for journalists working in the field.

Bluetooth Low Energy (2.4GHz)

Bluetooth®

Register up to 25 devices with the EOS R1 for even greater usability and convenience. Capture scenes remotely through the Canon Connect app on your smartphone[1], or pair it with the BR-E1 wireless remote controller for both continuous and dual shooting.

[1] Only the smartphone currently connected with the EOS R1 can be used.
[2] Except 6GHz.

Content Transfer Professional[*1] App

Integrating both Mobile File Transfer for photos and Content Transfer Mobile for videos, this new app allows you to manage content on one platform at high speeds. Easily transfer, edit and label content with industry-standard reporting metadata on your smart devices, or share to FTP/FTPS/SFTP servers with ease. USB transfer to mobile devices is also supported.

Wired/wireless transfer to smartphone

Register metadata in camera

Add voice memo

Still photo cropping

Change JPEG compression ratio and resolution

Read MAC address with a QR code

Add/edit IPTC/NewsMLG2

Save to phone to upload later

5G/LTE base station

Transfer with 5G/LTE

Upload while shooting

Choose and upload

FTP/FTPS/SFTP server

*1 Subscription required.

image.canon App

Elevate your workflow through the cloud. Your content can be uploaded and downloaded from your computer offsite, and is automatically sorted between photo and video files — photos are uploaded to Adobe Lightroom or Google Photos, while videos are uploaded to Frame.io. Edit and collaborate seamlessly on the go in real time.

Seamless Editing Environment

Transfer videos to Frame.io and smoothly import them to industry-leading editing software such as Adobe Premiere Pro, Apple Final Cut Pro, and DaVinci Resolve for post-production. Speed up editing processes with proxy movie transfer.

Automated Still Photo Sorting to Computer

Blur/Exposure
Sort blurred or overexposed and underexposed photos.

Shooting Information
Sort by camera, date, duration, recording format, and camera rating information.

Subject Category
Sort into 17 categories, including people, dogs, cats, birds, plants, trains, and airplanes.

Automatic Transfer to Google Photos or Lightroom

Google Photos
Back up images from the EOS R1 to Google Photos in their original quality via Wi-Fi without SD card/ computer usage.

Lightroom (Adobe Photoshop)
Automatically transfer movies and still photos to Adobe Creative Cloud. Manage and edit them with Lightroom.

Lenses and Accessories

The EOS R System

Reimagine, Reinvent, Rediscover. Designed for pros who seek perfection and demand only the best technology, the EOS R System drives optical excellence beyond the boundaries of innovation. Trusted by professionals for decades, a comprehensive ecosystem of lenses, extenders and accessories allows you to explore new ways of shooting.

RF Lenses

Choose from a wide range of lens types and focal lengths exclusively designed for the EOS R 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 June 2024).
For additional lens information, please visit Canon's official website.

USB-C Power Adapter PD-E2

Supply up to 65W of power to the EOS R1 or charge the battery without removing them from the camera. Comes in a smaller, more portable size as compared to the USB Power Adapter PD-E1.

DC Coupler DR-E19

For prolonged photography and videography, replace your LP-E19 in your EOS R1 with the DR-E19 (and AC Adapter AC-E19) to supply direct power for uninterrupted shooting indoors.

USB-C POWER ADAPTER PD-E2

AC ADAPTER AC-E19

DC COUPLER DR-E19

Eyecup ER-iE

Dramatically improve precision and visibility when looking through the viewfinder. The Eyecup ER-iE is designed to prevent surrounding light from interfering with Eye Control AF, enabling greater concentration when shooting.

Shoe Cover ER-SC3

The Shoe Cover ER-SC3 sports a locking mechanism that securely attaches to the multi-function shoe, protecting it and giving it the same weather-resistance capability as the camera body.

SHOE COVER ER-SC3
IS ATTACHED HERE

Image Processor	DIGIC Accelerator & DIGIC X	
Image Sensor Camera Effective Pixels	Effective sensor size: Full-Frame CMOS Camera effective pixels: Max approx. 24.2 megapixels	
Autofocus Method	Spot AF, 1-point AF, Expand AF area (above / below / left / right or around), Flexible Zone AF 1 / 2 / 3, Whole area AF	
Cross-Type AF	Yes	
Continuous Shooting	Mechanical shutter & Electronic 1st-curtain: up to 12 fps Electronic shutter: up to 40 fps	
Max Shutter Speed	1/64,000 sec. (Electronic shutter)	
Eye Control AF	Yes	
Image Stabiliser (IS) System	In-body 5-axis sensor-shift image stabilisation (Stills / Movie)	
Effective ISO	**Stills**	100-102,400 (L:50, H1:204,800, H2:409,600)
	Movie	**Custom Picture (Off):** 100-32,000 (H:40,000-102,400, H1:204,800) **Canon 709 / PQ / HLG:** 400-32,000 (L:100-320, H:40,000-102,400, H1:204,800) **Canon Log 2 / Canon Log 3:** 800-32,000 (L:100-640, H:40,000-102,400, H1:204,800) **BT.709 Standard:** 160-32,000 (L:100-125, H:40,000-102,400, H1:204,800)
Metering System	Based on image sensor output signals **Stills:** 6,144-zone (96 x 64) metering **Movie:** DCI: 4,800-zone (96 x 50) metering UHD: 5,184-zone (96 x 54) metering	
Viewfinder	0.64-inch OLED, approx. 9.44 million dots 59.94 fps / 119.88 fps Refresh Rate	
Movie	**6K RAW (6,000 x 3,164)** 59.94 fps / 29.97 fps / 23.98 fps (NTSC) 50.00 fps / 25.00 fps / 24.00 fps (PAL) **4K DCI (4,096 x 2,160)** 119.88 fps / 59.94 fps / 29.97 fps / 23.98 fps (NTSC) 100.00 fps / 50.00 fps / 25.00 fps / 24.00 fps (PAL)	

◄ Contents

Movie	**4K UHD (3,840 x 2,160)** 119.88 fps / 59.94 fps / 29.97 fps / 23.98 fps (NTSC) 100.00 fps / 50.00 fps / 25.00 fps (PAL) **2K DCI (2,048 x 1,080)** 239.76 fps / 119.88 fps / 59.94 fps / 29.97 fps / 23.98 fps (NTSC) 200.00 fps / 100.00 fps / 50.00 fps / 25.00 fps / 24.00 fps (PAL) **Full HD (1,920 x 1,080)** 239.76 fps / 119.88 fps / 59.94 fps / 29.97 fps / 23.98 fps (NTSC) 200.00 fps / 100.00 fps / 50.00 fps / 25.00 fps (PAL)
Proxy Recording	Simultaneously Recorded (2K DCI / Full HD depending on recording format and size)
Canon Log Profile	Canon Log 2 & Canon Log 3
In-Camera Upscaling	4x
Neural Network Noise Reduction	Yes
Maximum Movie Recording Time	6 hr. 00 min. 00 sec. (Normal Movie) 1 hr. 30 min. 00 sec. (High Frame Rate Movie)
Pre-Continuous Shooting	Up to 20 frames before shutter button pressed AF and AE: Continuous File Formats: RAW / C-RAW / HEIF / JPG
Pre-Recording	3 or 5 seconds before record button is pressed
Recording Media	Supports 2 memory cards: • 2 x CFexpress memory card (Type B compatible) * CFexpress 2.0 and VPG400 supported * Up to 2TB capacity supported (CFexpress card exceeding 2TB capacity is handled as 2TB)
Power Supply	LP-E19
USB Charging / Optional Power	Supports charging via USB Power Adapter PD-E1 / PD-E2 AC Power (AC Adapter AC-E19 and DC Coupler DR-E19)
News Metadata	NewsML-G2 standard
Tally Lamp	Yes
HDMI Terminal	Type-A
Size	Approx. 157.6 × 149.5 × 87.3 mm
Weight	Approx. 1,115 g (incl. battery and memory 1 card, excl. body cap, eyecup or shoe cover)
Network	Wi-Fi: IEEE802.11b/g/n/a/ac/ax* * Except 6GHz Bluetooth: Bluetooth Low Energy Technology Ver 5.3 Ethernet: IEEE 802.3bz (for 2.5GBASE-T)

EOS
R1

Canon
Delighting You Always