### Main specifications of α7IV

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sensor</strong></td>
<td>Exmor R CMOS sensor</td>
</tr>
<tr>
<td><strong>Resolution</strong></td>
<td>35mm full frame L: 6336 x 6336 (40M), M: 4160 x 3160 (17M), S: 3168 x 2112 (10M)</td>
</tr>
<tr>
<td><strong>Metering sensor</strong></td>
<td>Real-time image-adjustment</td>
</tr>
<tr>
<td><strong>Eye-start AF</strong></td>
<td>(only with LA-EA2 or LA-EA4 attached (Sold separately)), Tracking, Eye AF [Still]</td>
</tr>
<tr>
<td><strong>Focus sensitivity range</strong></td>
<td>EV-3 to EV20 (ISO100 equivalent with F2.0 lens attached)</td>
</tr>
<tr>
<td><strong>Bracketing</strong></td>
<td>3 frames, H/L selectable</td>
</tr>
<tr>
<td><strong>Shutter</strong></td>
<td>AWB Lock Yes (Shut. Halfway Down/ Cont. Shooting/ Off)</td>
</tr>
<tr>
<td><strong>High ISO NR</strong></td>
<td>Normal/Low/Off</td>
</tr>
<tr>
<td><strong>Multi Frame NR</strong></td>
<td>Simult. Rec (Still), Simult. Rec (Movie), Simult. Rec (Still/Movie), Sort (JPEG/RAW), Sort (Still/ Movie)</td>
</tr>
<tr>
<td><strong>Drive</strong></td>
<td>Drive modes Single Shooting, Continuous shooting (Hi+/Hi/Mid/Lo selectable), Self-timer, Self-timer (in 10 sec. delay/5 sec. delay/2 sec. delay/Continuous self-timer (3 frames after 10 sec. delay/5 frames after 2 sec. delay)/Bracketing self-timer (Off/2 sec. delay/5 sec. delay))</td>
</tr>
<tr>
<td><strong>Interface</strong></td>
<td>PC interface Mass-storage, MTP, PC remote, Multi Interface Shoe Yes (with Digital Audio Interface) *7, HDMI Type-A (micro) *8, HDMI Micro (Type C) *9, USB Type-C port (Hi-speed USB, Host mode/ OTG) *10, LAN terminal -</td>
</tr>
<tr>
<td><strong>Mic terminal</strong></td>
<td>Yes (3.5 mm Stereo minijack)</td>
</tr>
<tr>
<td><strong>Sync. terminal</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Vertical grip connector</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Remote Control</strong></td>
<td>Yes (IR remote control/Bluetooth® remote control)</td>
</tr>
<tr>
<td><strong>Flash</strong></td>
<td>Flash bracketing 3/5/9 frames selectable. With 3 or 5 frames, in 1/3, 1/2, 2/3, 1.0, 2.0, 3.0 EV increments, with 9 frames, in 1/2 EV increments. Flash compensation +/- 3.0 EV (switchable between 1/3 and 1/2 EV steps)</td>
</tr>
<tr>
<td><strong>Flash speed (approx., max.)</strong></td>
<td>Continuous shooting: Hi+: max. 10 fps, Hi: max. 8 fps, Mid: max. 6fps, Lo: max. 3 fps</td>
</tr>
<tr>
<td><strong>Movies</strong></td>
<td>XAVC S, AVCHD format Ver. 2.0 compliant, Slow &amp; Quick Motion (Programmed AE (P) / Aperture priority (A) / Shutter-speed priority (S) / Manual exposure (M))</td>
</tr>
<tr>
<td><strong>Recording format</strong></td>
<td>XAVC S, AVCHD format Ver. 2.0 compliant</td>
</tr>
<tr>
<td><strong>Drive modes</strong></td>
<td>Single Shooting, Continuous shooting (Hi+/Hi/Mid/Lo selectable), Self-timer, Self-timer (in 10 sec. delay/5 sec. delay/2 sec. delay/Continuous self-timer (3 frames after 10 sec. delay/5 frames after 2 sec. delay)/Bracketing self-timer (Off/2 sec. delay/5 sec. delay))</td>
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</tr>
<tr>
<td><strong>Movies</strong></td>
<td>Approx. 5.8W (with FE 28-70mm F3.5-5.6 OSS lens attached)</td>
</tr>
<tr>
<td><strong>Power consumption</strong></td>
<td>Approx. 3.6W (in shooting, approx. 3.5W (in viewfinder))</td>
</tr>
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<td>Approx. 3.6W (in shooting, approx. 3.5W (in viewfinder))</td>
</tr>
</tbody>
</table>

Specifications are subject to change without notice. Product availability varies depending on market.
Another Milestone

61.0 effective megapixels, true-to-life gradations, and blazing speed come together in a full-frame mirrorless camera body that is capable of capturing reality you can almost feel. Image quality and expression that were once only possible with medium-format cameras are now available in a compact, lightweight α series full-frame body with features, connectivity, and reliability designed to support professional workflows both in the studio and out on location.

Stunning stills and movies with professional reliability and productivity. Another milestone from the leader in mirrorless imaging.

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* No.1 image sensor manufacturer for digital cameras and video recorders. Based on Sony research - April 2018 to March 2019 (Over 50% market share).

** No.1 electronic viewfinder (EVF) device manufacturer for digital still cameras which employ EVF. Based on Sony research - April 2018 to March 2019 (over 50% market share).

*** Connect to an HDR (HLG) compatible Sony TV via a USB cable when displaying HDR (HLG) movies.

**** Up to 10 fps in continuous “Hi+” mode, and up to 8 fps in continuous “Hi” mode. Maximum fps will depend on camera settings.
Beyond Details

Extraordinary resolution and image quality with enhanced gradations capture more than details, encapsulating presence and atmosphere as well. The α7R IV represents a new level of full-frame mirrorless performance for serious applications.

A new level of reality

New 61.0-megapixel* Exmor R™ sensor

The α7R IV features a 35mm full-frame back-illuminated CMOS image sensor with approximately 61.0 million effective pixels, delivering depth and dimension that were once only available in medium-format cameras. Back-illuminated structure and effective noise reduction techniques combine to deliver an extraordinary blend of low noise and high sensitivity for enormous imaging potential.

BIONZ X™ image processing maximizes sensor potential

Advanced Detail Reproduction Technology and Area-specific Noise Reduction, both features of Sony’s BIONZ X image processing engine, have been carefully tuned to maximize the performance of a sensor that offers approximately 1.5 times more resolution than the highly acclaimed α7R III, achieving extremely fine, realistic reproduction of textures and details. Wide dynamic range is another advantage, with approximately 15-stops* available at low sensitivities for smooth, realistic reproduction of textures and details. Wide dynamic range is another advantage, with approximately 15-stops* available at low sensitivities for smooth, realistic reproduction of textures and details. Wide dynamic range is another advantage, with approximately 15-stops* available at low sensitivities for smooth, realistic reproduction of textures and details.

5-axis image stabilization

A precision stabilization unit and gyro sensors work with refined image stabilization algorithms to achieve up to a 5.5-step* shutter speed advantage that also supports the high-resolution capabilities of the 61.0-megapixel sensor. The live view image is also stabilized while shooting stills, making it easier to frame and focus when using a telephoto or macro lens. The system also includes a brake that subdues mechanical front and rear curtain shutter vibration, and dampers that absorb mechanical shock. Low shutter vibration is critical to achieving full quality from the camera’s high-resolution image sensor. The shutter is also quiet, and has been tested for durability in excess of 500,000 shutter cycles.

Optimum sharpness for any subject

There are seven Creative Style options in the α7R IV, providing greater control over the look of the image. Each Creative Style can be adjusted in five steps from ±3 to ±5, giving photographers a remarkably wide range of control over the look of their images. The range of sharpness settings available for the Creative Style function has been increased from ±3 to ±5. Increased sharpness can be useful for subjects that benefit from high clarity. Reduced sharpness can produce more flattering portraits.

Making the most of 61.0 megapixels

Silent shooting

In addition to the mechanical shutter, the α7R IV has an electronic shutter* that operates without moving parts for silent, vibration-free shooting. This also makes it easier to elicit maximum performance from the camera’s high-resolution sensor.

Reliable low-vibration shutter

Shutter vibration that can cause blur is reduced to a minimum, even when shooting continuous bursts at up to 10 frames per second, thanks to a new shutter unit with a fast-response coreless motor. The system also includes a brake that subdues mechanical front and rear curtain shutter vibration, and dampers that absorb mechanical shock. Low shutter vibration is critical to achieving full quality from the camera’s high-resolution image sensor. The shutter is also quiet, and has been tested for durability in excess of 500,000 shutter cycles.

A clearer view

5.76 million-dot UXGA OLED Tru-Finder

The α7R IV features a new UXGA (Ultra-XGA) OLED Tru-Finder with 5.76 million dots, for outstanding detail, contrast, and brightness. A “High” quality mode provides extra fine viewfinder and monitor displays with minimal moiré and jaggies, for finer detail and a more natural overall view, and a 120/100fps* finder frame rate setting provides a smooth viewfinder image with minimum display motion blur when shooting moving subjects. The eyepiece window is fluorine coated to repel fingerprints and grime, and make it easier to clean.

* Approximate, effective.
When even higher resolution is needed

16-image Pixel Shift Multi Shooting

This feature takes advantage of advanced in-body image stabilization system control, capturing multiple pixel-shifted images that are later composited using a computer to achieve overwhelming resolution in a single image. In addition to 4-image composites, the α7R IV is capable of producing 16-image composites with approximately 240.8 million pixels (19008 x 12672 pixels) from data that is equivalent to approximately 963.2 million pixels. The result is photographs with detail and presence that are simply stunning. Resolution, color, and material textures are astonishingly realistic even when the image is enlarged by more than 100%.

Notes: The Imaging Edge (Remote/Viewer/Edit) desktop application is required for compositing. Image compositing may not be successful if camera or subject movement causes blur. Some restrictions apply to flash and other devices.

Small, light, rugged, and ready for work

Enhanced dust and moisture resistance*

Dust and moisture resistance have been significantly improved with refinements throughout the body. Additional sealing is provided at all body seams as well as the battery compartment cover, and the media slot now has a double sliding cover rather than the previous hinged cover to keep water out. A redesigned lens lock button and additional cushioning around the mount further contribute to outstanding reliability in challenging outdoor conditions. Importantly, all of this has been accomplished in a body that is about the same size as the α7R III.

Improved grip

To minimize stress when shooting for long periods of time and/or with long telephoto lenses, the grip area has been redesigned for greater comfort and sure hold. Ample room is provided for the little finger, and overhang in the middle finger area has been increased.

Extended endurance

Sony’s high-capacity Z batteries and circuitry designed for low power consumption make it possible to shoot up to 670 still images* on a single charge, despite substantial increases in sensor and EVF resolution. For even more uninterrupted operating time, the optional VG-C4EM Vertical Grip holds two NP-FZ100 batteries. The camera can also be powered from an external mobile battery via its USB Type-C™ and Multi/Micro USB connectors.

Dual UHS-II slots

The α7R IV has two media slots that are both compatible with UHS-I and UHS-II SD cards for higher overall capacity and faster read/write speeds. Data can be simultaneously recorded to both cards for backup, RAW/JPEG and stills/movies can be recorded to different cards, or recording can be automatically switched to the second card when the first becomes full.

Accurate RGB for superior color fidelity

In 4-image composites, each of the sensor’s pixels can represent the full range of red, green, and blue values simultaneously. The interpolation that is required with standard one-shot images becomes unnecessary, so the data from the sensor can be directly synthesized to recreate the final colors with minimal moiré or color artifacts. 16-image Pixel Shift Multi shots produce even more accurate RGB data using approximately four times the amount of data (240.8 million pixels) for unprecedented resolution and color reproduction accuracy. The feeling of depth is simply astonishing.

Notes: The Imaging Edge (Remote/Viewer/Edit) desktop application is required for compositing. Image compositing may not be successful if camera or subject movement causes blur. Some restrictions apply to flash and other devices.

* Not guaranteed to be 100% dust and moisture proof.

A Professional Tool

Refined handling and control, reliable operation in challenging environments, and the endurance to keep working for as long as it takes. The α7R IV is a dependable tool that is designed and built to get the job done.
61.0 megapixel resolution provides plenty of margin for cropping.

Class-leading speed and high-resolution continuous shooting with accurate AF/AE

An advanced mechanical shutter unit and updated image processing algorithms allow continuous shooting at up to 10 fps* with accurate AF/AE tracking, even with this camera’s high-resolution 61.0 effective megapixel sensor. With this type of speed, you won’t miss the most photogenic moments and expressions of moving subjects. It is also possible to shoot continuously at up to 8 fps* in live view mode, with minimal viewfinder/monitor display lag for easy, stable framing, even with dynamic subject motion. When using the APS-C crop angle of view you have approximately 26.2 million pixels that can provide extra reach for bird photography, for example.

Up to 68 images per continuous burst

Buffer memory has been increased by 1.5x, allowing up to 68* Extra Fine/Fine JPEG or compressed RAW images to be captured in one continuous burst. Approximately 3x more continuous images can be captured in the APS-C mode, so you can shoot continuously with confidence.

* Up to 10 fps in continuous “Hi+” mode, and up to 8 fps in continuous “Hi” mode. Maximum fps will depend on camera settings.

Capture with Confidence

Sony’s lead in mirrorless imaging can be partly attributed to an uncompromising approach to blending high AF speed and performance with high resolution. A fraction of a second and the resolution needed to crop when necessary can separate the great from the mundane.

Sony’s AF leads the way

4D FOCUS – Wide, fast, reliable AF gets the shot

The new image sensor in the α7R IV features 567 phase detection points in a high-density focal plane phase-detection AF system, covering approximately 99.7% of the image area vertically and 74.0% horizontally. High-density focal plane phase-detection works with 425 contrast AF points in a Fast Hybrid AF system that can handle a huge volume of data at high speed, snapping rapidly into focus with just about any subject and situation. Tracking performance has been improved too, despite the significant increase in resolution.

Reliable AF in low light

Advanced AF algorithms contribute to high AF precision down to light levels as low as EV-3* in the AF-S mode. The α7R IV also includes a Focus Priority mode, providing more reliable AF in low light when using smaller apertures. When shooting at a smaller aperture with large studio strobes, for example, the Focus Priority mode uses available light to focus with the aperture open right up until the instant before actual exposure,** making it possible to focus on moving subjects with greater precision. All of this makes AF substantially more precise and reliable in dark scenes.

Smart subject tracking

Real-time Tracking

Real-time Tracking* is a state-of-the-art feature that employs artificial intelligence to tenaciously track moving subjects when shooting stills or movies. Accurate focus is maintained automatically while the shutter button is half-pressed. The subject to be tracked can also be specified by touching it on the monitor when the Touch Tracking function is engaged. An advanced subject recognition algorithm uses color, pattern (brightness), and subject distance (depth) data to process spatial information in real time. If the subject is a person, AI is used to detect and keep track of the subject’s eye and face in real time for extremely high tracking precision. The focus area will seamlessly change between face and eye according to the condition of the subject.

FE 600mm F4 GM OSS (SEL600F40GM), 1/1250 sec., F8, ISO 800

* ISO 100 equivalent, F2.0 lens.

** AF-C mode only. Operation varies according to the lens used and shooting conditions. When shooting continuously with an aperture of smaller than F11. Focus is fixed at the first frame of the sequence.

* “Tracking” in the menu. This function does not track animal eyes.

* Up to 10 fps in continuous “Hi+” mode, and up to 8 fps in continuous “Hi” mode. Maximum fps will depend on camera settings.

* “Hi+” continuous mode with mechanical shutter UHS-II compatible SDXC memory card. Sony test conditions.

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* “Hi+” continuous mode with mechanical shutter UHS-II compatible SDXC memory card. Sony test conditions.
Portraits Mastered

Sony’s Eye AF has completely changed the way many portrait photographers work. Now even further advanced technology takes portrait photography to the next level while opening the door to unprecedented, extraordinary potential.

New portrait potential

Another evolution in Real-time Eye AF (Human)

Real-time Eye AF employs artificial intelligence to detect and process eye data in real time, and track the subject’s eye with unprecedented precision. This function can be activated via an assigned custom key, or by simply pressing the AF-ON button or half-pressing the shutter button. When used with the Real-time Tracking function, tracking will continue even if the camera is temporarily unable to locate the subject’s eye, so it is easier than ever to shoot dynamic portraits of moving subjects. Response when using a custom key assignment has been improved for even faster shooting.

Eye AF takes an evolutionary leap

Real-time Eye AF animal mode* tracks animal eyes

Advanced AI-based subject recognition technology now allows fast, precise, automatic detection and tracking of animal eyes. This new capability can vastly increase success rates when photographing animals in a variety of settings or pets at home. Real-time Eye AF animal mode can be initiated either by pressing an assigned custom button or by half-pressing the shutter button.**

* Accurate focus may not be achieved with certain subjects in certain situations.
** Stills only. ‘Animal’ mode must be selected via the Face/Eye AF Settings menu before shooting.
Enhanced productivity for the working pro

Wireless tethering (PC Remote)

Wireless connectivity and PC Remote shooting let the photographer move around with fewer restrictions for a smoother, more efficient workflow. The ability to connect the camera and computer via 2.4 GHz or 5 GHz* Wi-Fi provides the versatility, reliability, and speed needed to transfer image data to the computer while shooting images in continuous mode. With the camera and computer connected using Sony’s Imaging Edge “Remote” software application (Ver. 2.0 or later), it is easier than ever to shoot, change camera settings, and transfer and store still images. In addition to wirelessly connecting the camera directly to the computer, the connection can be made via a wireless access point for compatibility with a variety of network environments.

Fast USB connection

A USB Type-C™ connector that supports fast USB 3.2 Gen 1 data transfer is provided. This makes high-speed PC Remote data transfer available while shooting for smooth handling of large image files. Efficient data handling both at the camera and computer ends of the connection results in transfer speeds approximately 2x faster than the a7R III, for smooth transfer of large uncompressed RAW image files without interrupting the flow of the session.

PC Remote file storage options

During PC Remote shooting, the file storage destination can be set so that images are stored in the camera as well as on the computer. This creates backups while allowing the operator to review images on the camera without having to leave the camera position. This feature has been refined in the a7R IV, so that it is now possible to change the storage destination from either the camera or a computer running the Imaging Edge application while shooting. Another option is to transfer only JPEG files to the computer rather than both the JPEG and RAW files, reducing data volume and allowing transferred images to be checked almost immediately. You can even choose to transfer the original JPEGs or compact 2-megapixel versions for maximum speed.

Accessories for smooth shooting

Wireless remote commander support

New RMT-P1BT Wireless Remote Commander using Bluetooth technology is supported. Bluetooth communication is unaffected by obstacles or ambient light, providing greater flexibility and reliability for a variety of shooting situations. Wireless shutter triggering can also reduce vibration and blur.

Capture One for Sony

Capture One Express (for Sony) is a free award-winning editing software that provides RAW development, easy management and powerful editing tools. Capture One Pro (for Sony) can be bought for even more editing tools and tethered shooting capability.

Powerful software support

Elevate your photography with Imaging Edge desktop applications. Use “Remote” to control and monitor shooting live on your PC screen, “Viewer” to quickly preview, rate, and select photos from large image libraries, and “Edit” to develop RAW data into high-quality photos for delivery. Get the best from Sony RAW files, and manage your productions more efficiently.* The Pixel Shift Multi Shooting feature can also be used while the camera and PC are tethered, and the pixel-shifted images can be immediately composited and viewed.

A standard sync terminal is provided for convenient synchronization with studio flash units and other external lighting equipment. Minimal release time lag contributes to smooth, responsive flash photography. Continuous flash shooting at up to 10 fps* offers advanced capture capability. Slow sync and rear curtain sync** can be selected when shooting with wireless off-camera flash for even further enhanced versatility.

* Maximum continuous shooting speed will depend on the flash and shooting settings used.
** Rear curtain sync is not available with optical wireless flash units.

* Refer to the download page for details: https://www.sony.net/disoft/d/

* Please contact Phase One regarding all inquiries as to usage and support including functional compatibility of Capture One Express (for Sony) and Capture One Pro (for Sony).
Let the camera focus while you create

Fast Hybrid AF for movies

A refined Fast Hybrid AF system achieves faster, smoother, more stable autofocus during movie recording. Consistent, stable tracking is maintained even if an object temporarily moves in front of the main subject, or a small aperture must be used. This greatly reduces the need for manual focus adjustments when the camera is used on a gimbal, for run-and-gun projects, or in other one-operator shooting situations.

Real-time Eye AF for movies

Real-time Eye AF tracking on a specified eye. Right/left eye selection is available for movies too.

Creative Moviemaking

The α7R IV provides new support for creative moviemaking with improved overall AF performance and Real-time Eye AF. For 4K movies, 6K oversampling delivers an overwhelming sense of depth and detail, while an HLG picture profile facilitates HDR content creation.

Record reality in spectacular 4K

Full pixel readout without binning in Super 35mm mode for high-resolution 4K movies

Full frame and Super 35mm* formats can be selected for 4K movie recording. Full pixel readout in the Super 35mm mode (approx. APS-C 16:9), without the need for pixel binning, makes it possible to condense approximately 2.4 times*** the amount of data required for 4K movies (QFHD: 3840 x 2160), resulting in high-resolution, high-detail 4K with minimal moiré and jaggies. Furthermore, the advanced image processing system delivers more accurate skin tones as well as smoother high-light gradations. 4K recording employs the XAVC S*** format at bit rates as high as 100 Mbps.

** Connect this product to an HDR (HLG) compatible TV via a USB cable when displaying HDR (HLG) recorded movies played back on an HDR (HLG) compatible TV will appear as intended. An HLG (Hybrid Log-Gamma)* picture profile that supports an instant HDR workflow is provided. Recorded movies played back on an HDR (HLG) compatible TV will appear true-to-life, with no blocked shadows or blown highlights, and without the need for color grading. An HLG (Hybrid Log-Gamma)* picture profile that supports an instant HDR workflow is provided. Recorded movies played back on an HDR (HLG) compatible TV will appear true-to-life, with no blocked shadows or blown highlights, and without the need for color grading.

*S-Log2 and S-Log3 for wide 14-stop dynamic range

In addition to S-Log2, S-Log3 is available for better graduation from shadows to mid-tones (18% gray), and a dynamic range of up to 14 stops. Both of these S-Log gamma curves provide extra margin for post processing, making it easier to achieve wide dynamic range.

Assignable XAVC S file name prefixes

Prefixes can be assigned to movie files as well as still images via the menus. This can make it easy to identify which camera a file was recorded on when using multiple cameras. When multiple memory cards are used, the file numbering method can be set to “sequential” to prevent duplicate file numbers.

Time-lapse movies document the passing of time

In-camera interval shooting is now possible without the need for additional apps. Depending on the number of pixels, interval sequences can be converted to 4K time-lapse movies.* A variable-speed preview function lets you see how the finished movie will look right on the camera monitor. In-camera interval shooting is now possible without the need for additional apps. Depending on the number of pixels, interval sequences can be converted to 4K time-lapse movies.* A variable-speed preview function lets you see how the finished movie will look right on the camera monitor.

Details that support pro workflows

Multi Interface Shoe with digital audio interface

On the α7R IV, Sony’s Multi Interface Shoe features a built-in digital audio interface that allows direct connection of the new digital ECM-B1M Shotgun Microphone or XLR-K3M XLR Adaptor Kit for clear, low-noise audio recording. Like other MI shoe accessories, no cables or batteries are required, providing un-restrained freedom for a system moviemaking.

Proxy

Proxy movie files can be recorded simultaneously. The smaller proxy files are ideal for quick previewing. Proxy 4K movies and lower-resolution proxy movies can be recorded simultaneously. The smaller proxy files are ideal for quick previewing.

Capture Proxy Movies

Proxy movies can be recorded simultaneously. The smaller proxy files are ideal for quick previewing. Proxy 4K movies and lower-resolution proxy movies can be recorded simultaneously. The smaller proxy files are ideal for quick previewing.

Other features

Picture profiles, Clean HDMI, Time Code/User Bit, REC control, Gamma Display Assist, a Zebra function, and other details provide comprehensive support for advanced video workflows.
Small refinements make a big difference

A great camera is defined by a combination of features and functions that allow creators to realize their vision. Small refinements add up to give the user that extra margin of choice or flexibility that makes getting the shot easier.

Refined focus control boosts productivity

AF-ON button

Press the AF-ON button to activate autofocus when shooting stills or movies. This makes it possible to release the shutter instantly to capture fleeting moments without having to go through the normal half-press focus sequence. The dimensions, feel, and location of the AF-ON button have been revised for smooth, intuitive control.

Multi-selector

The multi-selector provides a fast, efficient way to shift focus points. Simply press the up, down, left, or right button when using the Zone, Flexible Spot, or Expand AF area. This makes it easy to select an appropriate focus area for stills or other situations where the subject frequently moves from one edge to another.

3.0 type 1.44 million-dot tilting LCD monitor

This 3.0 type LCD touchscreen with 1.44 million dots features high resolution for detailed viewing. The SmartView technology is included to ensure that LCD viewing is bright, clear, and even in outdoor conditions. The monitor tilts upwards by a maximum of 107°, and downwards by a maximum of 41° for flexible hold and framing.

Touch Focus

Simply touch the monitor screen to specify the desired focus point for stills or movies. Even subjects near the frame edges can be instantly selected without having to reframe or manually shift the focus point. Double-tap any point for a magnified view of that area when focusing manually.

Switch Vertical and Horizontal AF Area

Separate or identical focus areas and points can be used for vertical and horizontal camera orientations. The ability to use separate focus areas and points reduces the need to readjust focus when shooting portraits or any subject that requires frequent camera orientation changes.

AF Tracking Sensitivity

The sensitivity with which autofocus will follow subjects that move outside the focus area can be adjusted in 5 steps when shooting stills. Higher sensitivity is best for subjects at varying distances, while lower sensitivities can keep focus on a subject that is briefly obscured by other objects.

Focus area circulation

A new setting allows the focus area to be circulated through the upper, lower, left, and right edges of the frame. This makes it easy to select an appropriate focus area for sports or other situations where the subject frequently moves from one edge to the other.

Custom functions keep the creativity flowing

My Dial

Custom function assignments can now be made to the front, rear dials, and the control wheel. By assigning frequently used functions to these dials, they become instantly available for temporary use while a custom button is held. Three sets of custom functions can be assigned for even further versatility.

AF Area Registration

Frequently used focus point settings can be memorized and instantly recalled via custom button assignments. Focus area mode settings can also be memorized and recalled as required for fast, convenient operation.

Recall Custom Setting During Hold

Memorized settings (exposure, focus settings, AF tracking sensitivity, drive mode, etc.) can be assigned to custom buttons for temporary recall while the button is held. This is a great way to quickly make temporary setting changes for varying shooting situations.

Flexible front/rear dial and release button control

The control direction of the front and rear dials can be set via the menus. It is also possible to assign the large, accessible shutter button to start and stop movie recording, rather than using the MOVIE button.

Expanded camera setting registration

The number of camera settings that can be saved to and read from memory card via the Save/Load Settings function has been greatly increased. Saved settings can be loaded into any camera body of the same type. Up to 10 combinations of settings can be saved to one memory card. It is now also possible to save settings to the Imaging Edge Mobile application (Ver. 7.2 or later), from where they can be transferred to a separate body of the same type.

Smoot menu access

The My Menu feature allows up to 30 items to be registered to a user menu for instant recall. Normal menu navigation is easier too: the front dial or Fn button selects menu tabs, the rear dial selects sub-tabs, and the control wheel selects individual menu items. Separate Fn button functions can be assigned for the still and movie modes. Illustrated custom menu items make it easy to identify the functions assigned to each control.

Selectable focus frame color

The focus frame color can be set to white or red.* Red can improve visibility in situations where subject and focus frame color contrast is low and it is difficult to make out the focus area against the subject.

Enhanced peaking

The detection accuracy of the focus peaking function has been improved, and a blue peaking color has been added to the existing red, yellow, and white selections. The new blue peaking color can provide improved visibility with warm-colored subjects.
Flexible exposure and white balance control

**AWB lock**

Auto white balance can now be locked or unlocked on the fly while shooting, to set white balance to match one of several light sources in mixed lighting situations. In an environment with mixed artificial and natural window light, for example, you might want to ensure that white balance matches the artificial indoor light.

**1200-segment live-view exposure analysis**

The live view image is divided into 1,200 segments for detailed analysis of subject color and lighting. The use of focus information to ensure consistent AE control is another innovation that can reduce variations in image brightness in varying situations.

**Exposure standard adjustment**

The standard exposure value can be adjusted from -1 to +1 stop in 1/6 stop increments. This setting can be made separately for each metering mode.

**Anti-flicker shooting**

Flicker from fluorescent lights and other artificial lighting can ruin still images if it and the shutter timing are out of sync. The α7R IV automatically detects flicker and adjusts shutter timing to eliminate exposure and color variations, even when shooting continuously at up to 10 fps with AF and AE tracking.

**Expanded custom white balance control**

Rather than being fixed at the center of the frame, the measurement area for custom white balance settings can be moved around as required so custom white balance can be set after the image has been composed. Custom white balance acquisition and positioning can also be controlled from the computer during PC Remote shooting.

**Priority Set in AWB**

When white balance is set to Auto and incandescent lamps or similar are the light source, the color tone priority can be set to Standard, Ambience, or White. Ambience priority produces a warm tone, while white priority reproduces accurate whites.

**Comprehensive metering modes**

In addition to the Multi, Center, and Spot metering modes, a Highlight mode detects the brightest area in the frame to avoid blown highlights, and an Entire Screen Average mode can provide stable auto exposure through composition changes.

**Versatile spot metering**

When the Focus Area parameter is set to Flexible Spot or Expand Flexible Spot the metering spot location can be linked to the focus area so that the optimum metering point is maintained automatically. Two spot sizes are available to match a wide range of subjects.

1/100sec.(100Hz), 1/120sec.(120Hz)

**FTP background transfer**

This function allows convenient Wi-Fi transfer of still image files to a specified remote FTP server. FTPS (File Transfer Protocol over SSL/TLS) is supported, allowing SSL or TLS data encryption for maximum security. Background FTP file transfer via Wi-Fi is now possible while shooting or reviewing still images. Additional improvements include the ability to specify files for transfer, the ability to specify a file format (JPEG/RAW), and more. The number of FTP servers that can be pre-registered has been increased from three to nine, and it is possible to set up folder configurations on the destination FTP server. 5 GHz* band communication has also been added for more stable, reliable data transfer.** These and other refinements contribute to improved workflow on location.

New 4:3 and 1:1 aspect ratios

In addition to the previously available 3:2 and 16:9 aspect ratios, it is now also possible to select 4:3 and 1:1 aspect ratios. The availability of these extra in-camera aspect ratios facilitates delivery in a correspondingly wider range of formats, reducing the need for post-shot cropping and allowing for speedier delivery.

Other file management and shooting functions

**Other file management and shooting functions**

**10/100 image review jump**

In addition to scrolling through recorded images one at a time, a new image jump setting makes it possible to skip ahead by 10 or 100 frames, making it faster and easier to locate a desired image.

**Display continuous shooting group**

Images shot in continuous mode can be reviewed as groups, and the play index display has been significantly improved. Continuous groups can be deleted or protected in one quick operation to save time on location.

**FTP background transfer**

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**Ratings and protect functions**

Ratings of from 1 to 5 stars can be applied to still images right from the camera controls. The rating and protect functions can be set via assigned custom buttons while viewing the review playback display on location or while traveling to save time.

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Smart mobile device pairing

Install the Imaging Edge Mobile app* on your mobile device via Wi-Fi, then touch the device to the camera to connect. Pair the devices using QR code, or use NFC™ on Android devices. Imaging Edge Mobile* can be used to acquire location data, link location data to still images, and correct camera date/time and location settings.

Smartphone file transfer while camera power is off

It is now possible to transfer files from an SD card in the camera via Wi-Fi even if the camera power is OFF. Images to be transferred are selected via the Imaging Edge Mobile application installed on a mobile device.* Movie files can also be transferred in this way.

* Imaging Edge Mobile Ver.7.0 or later is required.

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**Essential apps**

**Number of recordable frames for single media**

<table>
<thead>
<tr>
<th></th>
<th>16GB</th>
<th>32GB</th>
<th>64GB</th>
<th>128GB</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standard</strong></td>
<td>950</td>
<td>1,900</td>
<td>3,850</td>
<td>7,700</td>
</tr>
<tr>
<td><strong>Fine</strong></td>
<td>640</td>
<td>1,250</td>
<td>2,500</td>
<td>5,000</td>
</tr>
<tr>
<td><strong>Extra fine</strong></td>
<td>340</td>
<td>680</td>
<td>1,350</td>
<td>2,700</td>
</tr>
<tr>
<td><strong>RAW &amp; JPEG</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Uncompressed)</td>
<td>175</td>
<td>355</td>
<td>710</td>
<td>1,400</td>
</tr>
<tr>
<td><strong>RAW</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Uncompressed)</td>
<td>246</td>
<td>490</td>
<td>980</td>
<td>1,950</td>
</tr>
<tr>
<td><strong>RAW &amp; JPEG</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Compressed)</td>
<td>100</td>
<td>205</td>
<td>410</td>
<td>820</td>
</tr>
</tbody>
</table>

• Recommended memory cards for movie recording in AVCHD/MP4 formats: SD memory card/SDHC memory card/SDXC memory card (Class 4 or more)
• Recommended memory card for movie recording in XAVC S format: SDHC/SDXC memory card of Class 10 or higher
• The numbers in the table show approximate maximum recordable time (wrapped) by the memory card used.
• AVCHD movies are automatically divided into separate files up to a maximum of four files each.

**Movie recording time for single media**

<table>
<thead>
<tr>
<th></th>
<th>16GB</th>
<th>32GB</th>
<th>64GB</th>
<th>128GB</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AVCHD</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>60i 24M (FX)/ 50i 24M (FX)</td>
<td>1:25:00</td>
<td>2:55:00</td>
<td>6:00:00</td>
<td>12:05:00</td>
</tr>
<tr>
<td>60i 17M (FH)/ 50i 17M (FH)</td>
<td>2:00:00</td>
<td>4:05:00</td>
<td>8:15:00</td>
<td>16:35:00</td>
</tr>
<tr>
<td><strong>XAVC S HD</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30p 100M/ 25p 100M</td>
<td>0:15:00</td>
<td>0:35:00</td>
<td>1:15:00</td>
<td>2:30:00</td>
</tr>
<tr>
<td>24p 100M/ 25p 100M</td>
<td>0:25:00</td>
<td>0:55:00</td>
<td>2:00:00</td>
<td>4:00:00</td>
</tr>
<tr>
<td>24p 60M</td>
<td>0:25:00</td>
<td>0:55:00</td>
<td>2:00:00</td>
<td>4:00:00</td>
</tr>
<tr>
<td><strong>XAVC S 4K</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>30p 100M/ 25p 100M</td>
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<td>0:35:00</td>
<td>1:15:00</td>
<td>2:30:00</td>
</tr>
<tr>
<td>24p 100M/ 25p 100M</td>
<td>0:25:00</td>
<td>0:55:00</td>
<td>2:00:00</td>
<td>4:00:00</td>
</tr>
<tr>
<td>24p 60M</td>
<td>0:25:00</td>
<td>0:55:00</td>
<td>2:00:00</td>
<td>4:00:00</td>
</tr>
</tbody>
</table>

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**Controls**

1. Hook for shoulder strap
2. Flash sync terminal
3. Speaker
4. Microphone jack
5. Headphones jack
6. HDMI micro jack
7. USB Type-C™ terminal
8. Charge lamp
9. Multi/Micro USB terminal
10. Mode dial
11. Mode dial lock release button
12. Microphone
13. Image sensor position mark
14. Multi Interface Shoe
15. Front dial
16. ON/OFF (POWER) switch/Shutter button
17. C1 (Custom 1) button
18. C2 (Custom 2) button
19. Exposure compensation dial
20. Exposure compensation dial lock release button
21. AF illuminator/Self-timer lamp
22. Infrared remote sensor
23. Lens release button
24. Mount index
25. Mount
26. Image sensor
27. Lens contacts
28. Battery cover
29. Tripod socket hole
30. Eye sensor
31. Viewfinder
32. Eyepiece cup
33. C3 button (Custom button 3)/Protect button
34. MENU button
35. Monitor
36. Playback button
37. MOVIE button
38. Rear dial
39. For shooting: AEL button
40. For viewing: Image index button
41. Multi-selector
42. For shooting: Fn (Function) button
43. Control wheel
44. Access lamp
45. For shooting: C4 button (Custom button 4)
46. For viewing: Delete button
47. Diopter-adjustment dial
48. Media slot cover
49. Hook for shoulder strap
50. N mark
An extensive range of α lenses let you realize your full potential

Sony Lens Support Page: https://www.sony.net/dics/bodylens/

More choices for expressive imagery

Sony’s impressive range of A-mount lenses is supported via the LA-EA3 A-Mount to E-Mount lens adaptor. All the advanced features of Sony’s latest α series bodies, including Eye AF, are supported for most A-mount lenses.*

* With SAL and SAM lenses only. With the LA-EA3 mount adaptor, Eye AF is only supported for movie recording. All α can only be used when the “Phase detection” AF system is selected, but there is fixed at the first frame during continuous shooting in any mode other than “Continuous: Lo” (Hi, Hi, Mid).
Options for expanded photographic capability

**Power supply and charging cannot be carried out**

- Vertical Grip PCK-LG1
- Screen Protect Glass Sheet
- Flash HVL-F60RM
- Multi Battery Adaptor Kit XLR-K3M
- Shotgun Microphone ECM-91M
- HVL-F45RM Flash
- Multi Terminal DLC-HEU15 (Micro)
- Strap/Grip Belt STP-XH70
- Eyepiece Cup FDA-EP18
- Multi Battery Adaptor Kit NPA-MQZ1K
- NPF-Z100 battery Pack
- Remote Commander RM-SPR1
- Rechargeable Battery Pack BC-QZ1
- Multi Terminal DLC-HEU15 (HDMI)
- Remote Commander RM-VPR1
- Multi Terminal DLC-HEU15 (USB)
- Remote Commander RM-1K
- Battery Charger RM-1K
- Multi Terminal DLC-HEU15 (DC IN)
- Remote Commander RM-C4EM
- Memory Card Reader VCT-55LH

**Not guaranteed to be 100% dust and moisture proof.**

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- Screen Protect Glass Sheet
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- Multi Battery Adaptor Kit XLR-K3M
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- Strap/Grip Belt STP-XH70
- Eyepiece Cup FDA-EP18
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- NPF-Z100 battery Pack
- Remote Commander RM-SPR1
- Rechargeable Battery Pack BC-QZ1
- Multi Terminal DLC-HEU15 (HDMI)
- Remote Commander RM-VPR1
- Multi Terminal DLC-HEU15 (USB)
- Remote Commander RM-1K
- Battery Charger RM-1K
- Multi Terminal DLC-HEU15 (DC IN)
- Remote Commander RM-C4EM
- Memory Card Reader VCT-55LH

**Holds two Z Batteries, approximately doubling the number of stills that can be shot continuously.**

- Vertical Grip PCK-LG1
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- Battery Charger RM-1K
- Multi Terminal DLC-HEU15 (DC IN)
- Remote Commander RM-C4EM
- Memory Card Reader VCT-55LH

- The same enhanced dust/moisture resistance* and magnesium-chassis rigidity as the body.

- The same grip and control access in horizontal and vertical orientations.

- Holds two Z Batteries, approximately doubling the number of stills that can be shot continuously.

- **Not guaranteed to be 100% dust and moisture proof.**

- Designed to suppress mechanical noise.

- Connected to the α7R IV via its Multi Interface Shoe with digital audio interface support, audio is directly transferred to the camera in digital form so that the highest possible audio quality is achieved without noise or degradation.

- Two XLR/TRS combo connectors and one 3.5mm stereo mini jack for microphone and line input.

- Flexible mounting and setup with extension cable.

- Comprehensive audio controls make post production easy.

- Designed to suppress mechanical noise.