#### Main specifications of **α7**<sub>R</sub> $\overline{w}$

Main spec	ifications of $lpha$ 7	RIV					
General	Camera type	Interchangeable-lens digital camera	Viewfinder	Color temperature control	Manual (5 steps)		
Image sensor	Lens mount Type	E-mount  25mm full frame (25 7x22 9mm) Eymor P CMOS concer		Field coverage Magnification	100% Approx 0.79 v (with 50mm long at infinity, 1m <sup>-1</sup> )		
illiage selisui	Number of pixels	35mm full frame (35.7×23.8mm), Exmor R CMOS sensor  Approx. 61.0 megapixels (effective), Approx. 62.5 megapixels (total)		Diopter adjustment	Approx. 0.78 x (with 50mm lens at infinity, -1m <sup>-1</sup> ) -4.0 to +3.0m <sup>-1</sup>		
	Image sensor aspect ratio	3:2		Eye point	Approx. 23mm from the eyepiece lens, 18.5mm from the eyepiece frame at -1m <sup>-1</sup> (CIPA standard		
Recording system	Anti-Dust system Recording format	Charge protection coating on optical filter and image sensor shift mechanism  JPEG (DCF Ver. 2.0, Exif Ver. 2.31, MPF Baseline compliant), RAW (Sony ARW 2.3 format)		Finder Frame Rate selection	NTSC mode: STD 60fps / HI 120fps, PAL mode: STD 50fps / HI 100fps		
(still image)	Image size [3:2]	35mm full frame L: 9504 x 6336 (60M), M: 6240 x 4160 (26M), S: 4752 x 3168 (15M)		Display Contents	Graphic Display, Display All Info., No Disp. Info., Digital Level Gauge, Histogram		
	(pixels) [4:3]	APS-C L: 6240 x 4160 (26M), M: 4752 x 3168 (15M), S: 3120 x 2080 (6.5M)  35mm full frame L: 8448 x 6336 (54M), M: 5552 x 4160 (23M), S: 4224 x 3168 (13M)	LCD Screen	Type Number of dots (total)	7.5cm (3.0-type) type TFT 1,440,000 dots		
		APS-C L: 5552 x 4160 (23M), M: 4224 x 3168 (13M), S: 2768 x 2080 (5.8M)		Touch panel	Yes		
	[16:9]	35mm full frame L: 9504 x 5344 (51M), M: 6240 x 3512 (22M), S: 4752 x 2672 (13M) APS-C L: 6240 x 3512 (22M), M: 4752 x 2672 (13M), S: 3120 x 1752 (5.5M)		Brightness control	Manual (5 steps between -2 and +2), Sunny Weather mode		
	[1:1]	35mm full frame L: 6336 x 6336 (40M), M: 4160 x 4160 (17M), S: 3168 x 3168 (10M)		Adjustable angle Display Selecter (FINDER/LCD)	Up by approx. 107 degrees, Down by approx. 41 degrees		
	Image quality modes	APS-C L: 4160 x 4160 (17M), M: 3168 x 3168 (10M), S: 2080 x 2080 (4.3M)  RAW, RAW & JPEG (Extra fine, Fine, Standard), JPEG (Extra fine, Fine, Standard)		Real-time image-adjustment	Yes (Auto/Manual) On/Off		
	Picture Effect	Posterization (color), Posterization (6/W), Pop Color, Retro Photo, Partial Color (R/G/B/Y), High Contrast Monochrome, Toy Camera(Normal/Cool/Wamr/Green/Magenta), Soft High-key Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn leaves, Black & White, Sepia Style Box (1-6), (Contrast (-3 to -3 steps), Saburation (-3 to -3 steps), Sharpers (-5 to -5 steps).  Yes (Off / PPI-PPIO) Parameters: Black level, Gamma (Movie, Still, Cinel-4, ITU709, ITU709 (B00%), S-Log3, S-Log3, HLG, HLG1-3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset Off, Dynamic Range Optimizer (Auto/Level (1-5))  SRGB Standard (with sYCC gamut) and Adobe RGB standard compatible with TRILUMINOS Color  Yes		display Quick Navi	Yes		
	Creative Style			Focus magnifier	Yes (35mm full frame: 5.9x, 11.9x APS-C: 3.9x, 7.8x)		
	cicative style			Zebra	Yes (selectable level + range or lower limit as custom setting)		
	Picture Profile		Other features	Peaking MF Others	Yes (Level setting: High/Mid/Low/Off, Color: Red/Yellow/Blue/White) WhiteMagic™, Grid Line (Rule of 3rds Grid/Square Grid/Diag. + Square Grid/Off), Movie		
	rictare rionie			Ouleis	Marker (Center/Aspect/Safety Zone/Guideframe)		
	Dynamic range functions			Display Contents	Graphic Display, Display All Info, No Disp. Info, Digital Level Gauge, Histogram, For viewfinder, Monitor Off		
	Color space			PlayMemories Camera Apps	•		
	14bit RAW			Clear Image Zoom	Still images: Approx. 2x		
	Uncompressed RAW			Digital zoom	Movies: Approx. 1.5x (4K), Approx. 2x (HD)  Smart zoom (Still images): 35mm full frame: M: approx 1.5x, S: approx 2x / APS-C: M: approx		
Recording system (movie)	Recording format	XAVC S, AVCHD format Ver. 2.0 compliant		•	1.3x, S: approx 2x		
(movie)	Video compression  Audio recording format	XAV CS. IMPGG-4 AVC/H.264, AVCHD: IMPGG-4 AVC/H.264  XAVC S. IPCM 2ch, AVCHD: Dolby Digital (AC-3) 2ch, Dolby Digital Stereo Creator  xVYCC standard (xv.Color when connected via HDMI cable) compatible with TRILUMINOS Color  Posterization (Color), Posterization (B/VM), Pop Color, Retro Photo, Partial Color (RVG/B/V), High  contrast Monorhome, Toy Camer (Mormal/Coof/Marm/Green/Magent), 5oft High-key		-	Digital zoom (Still images): 35mm full frame: L: approx 4x, M: approx 6.1x, S: approx 8x / APS-C: L: approx 4x, M: approx 5.3x, S: approx 8x		
	Color space				Digital zoom (Movie): 35mm full frame: approx 4x / APS-C: approx 4x		
	Picture Effect			Face detection	Modes: Face Priority in AF (On/Off), Face Priority in Multi Metering (On/Off), Regist. Face Priority(On/Off), Face registration, Max. number of detectable: 8 faces		
	Creative Style	Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn		Others	Interval Recording, Touch Focus: Yes (Touch Focus/Touch Pad/Touch Tracking), ISO AUTO Min.		
		leaves, Black & White, Sepia, Style Box (1-6), (Contrast (-3 to +3 steps), Saturation (-3 to +3 steps), Sharpness (-5 to +5 steps))			SS, Bright Monitoring, Copyright Info, Set File Name, Save/Import Settings, FTP Transfer Func., Help guide, Area Setting, Shop Front Mode, Video Light Mode, Zoom Ring Rotate		
	Picture Profile	Yes (Off / PP1-PP10) Parameters: Black level, Gamma (Movie, Still, Cine1-4, ITU709, ITU709	Shutter	Туре	Electronically-controlled, vertical-traverse, focal-plane type		
		[800%], S-Log2, S-Log3, HLG, HLG1-3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset		Shutter speed	Still images: 1/8000 to 30 sec, Bulb, Movies: 1/8000 to 1/4 (1/3 steps), up to 1/60 in AUTO mode (up to 1/30 in Auto slow shutter mode)		
	Image size NTSC	XAVC S 4K: 3840 x 2160 (30p, 100M), 3840 x 2160 (24p, 100M), 3840 x 2160 (30p, 60M), 3840 x		Flash sync. Speed	1/250 sec." <sup>1</sup>		
	(pixels)	2160 (24p, 60M)  XAVC S HD: 1920 x 1080 (120p, 100M), 1920 x 1080 (120p, 60M), 1920 x 1080 (60p, 50M), 1920 x		Electronic Front Shutter Curtain Silent Shooting	Yes (ON/OFF) Yes (ON/OFF)		
		1080 (30p, 50M), 1920 x 1080 (24p, 50M), 1920 x 1080 (60p, 25M), 1920 x 1080 (30p, 16M)	SteadyShot INSIDE	Type	Image Sensor-Shift mechanism with 5-axis compensation (Compensation depends on lens		
	PAL	AVCHD: 1920 x 1080 (60i, 24M, FX), 1920 x 1080 (60i, 17M, FH)  XAVC S 4K: 3840 x 2160 (25p, 100M), 3840 x 2160 (25p, 60M)	(image stabilization)		specifications)		
	FAL	XAVC S 4R. 3640 X 2100 (23p, 100M), 3840 X 2100 (23p, 00M) XAVC S HD: 1920 x 1080 (100p, 100M), 1920 x 1080 (100p, 60M), 1920 x 1080 (50p, 50M), 1920 x		Compensation effect	<ol> <li>Stops (based on CIPA standard. Pitch/yaw shake only. With Planar T* FE 50mm F1.4 ZA len mounted. Long exposure NR off.)</li> </ol>		
		1080 (25p, 50M), 1920 x 1080 (50p, 25M), 1920 x 1080 (25p, 16M)	Flash	Control	Pre-flash TTL		
	Slow & Quick Motion (S&Q) /	AVCHD: 1920 x 1080 (50i, 24M, FX), 1920 x 1080 (50i, 17M, FH)  NTSC mode: 1fps, 2fps, 4fps, 8fps, 15fps, 30fps, 60fps, 120fps		Flash compensation Flash bracketing	+/- 3.0 EV (switchable between 1/3 and 1/2 EV steps)  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		
	Image frame rate	PAL mode: 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps			frames, in 1/3, 1/2, 2/3, 1.0 EV increments.		
	Slow & Quick Motion (S&Q) / Image size	NTSC mode: 1920x1080 (60p, 30p, 24p), PAL mode: 1920x1080 (50p, 25p)		Flash modes	Flash off, Autoflash, Fill-flash, Slow Sync., Rear Sync., Red-eye reduction (on/off selectable), Wireless '2, Hi-speed sync.'2		
	Movie functions	Audio Level Display, Audio Rec Level, PAL/NTSC Selector, Proxy Recording (1280 x 720		External flash	Sony α System Flash compatible with Multi Interface Shoe, attach the shoe adaptor for flash		
		(Approx.9Mbps)), TC/UB (TC Preset/UB Preset/TC Format/TC Run/TC Make/UB Time Rec), Auto Slow Shutter, REC Control, Clean HDMI Info. (ON/OFF selectable), Gamma Disp. Assist		FE level lock	compatible with Auto-lock accessory shoe Yes		
	HDMI output	3840 x 2160 (25p), 1920 x 1080 (50p), 1920 x 1080 (50i), 1920 x 1080(24p), 1920 x 1080 (60p),		Wireless control	Yes (Light signal: Available with Fill-flash, Slow Sync., Hi-speed sync. /Radio signal: Available		
Recording system	Location Information Link From	1920 x 1080 (60i), 3840 x 2160 (30p), 3840 x 2160(24p), YCbCr 4:2:2 8bit / RGB 8bit  Yes	Drive	Drive modes	with Fill-flash, Rear Sync., Slow Sync., Hi-speed sync.) Single Shooting, Continuous shooting (Hi+/Hi/Mid/Lo selectable), Self-timer, Self-timer		
necoraing system	Smartphone		Drive	Dilve filodes	(Cont.), Bracket: Single, Bracket: Cont., White Balance bracket, DRO bracket		
	Media	SD memory card, SDHC memory card (UHS-1/II compliant), SDXC memory card (UHS-1/II compliant), microSD memory card, microSDHC memory card, microSDXC memory card		Speed (approx., max.)  No. of frame recordable *3	Continuous shooting: Hi+: max. 10 fps, Hi: max. 8 fps, Mid: max. 6fps, Lo: max. 3 fps '3		
	Memory card slot	SLOT1 & SLOT2: Slot for SD (UHS-I/II compliant) memory card		(approx.)	JPEG Extra fine L: 68 frames, JPEG Fine L: 68 frames, RAW: 68 frames, RAW & JPEG: 68 frames, RAW (Uncompressed): 30 frames, RAW (Uncompressed) & JPEG: 30 frames		
	Recording mode on 2 memory cards	Simult. Rec (Still), Simult. Rec (Movie), Simult. Rec (Still/Movie), Sort (JPEG/RAW), Sort (Still/ Movie), Auto Switch Media (On/Off), Copy		Self-timer	10 sec. delay/5 sec. delay/2 sec. delay/Continuous self-timer (3 frames after 10 sec. delay/5 frames after 10 sec. delay/3 frames after 5 sec. delay/5 frames after 5 sec. delay/3 sec. dela		
Noise reduction	Noise reduction	Long exposure NR: On/Off , available at shutter speeds longer than 1 sec.			2 sec. delay/5 frames after 2 sec. delay)/Bracketing self-timer (Off/2 sec. delay/5 sec.		
	Multi Frame NR	High ISO NR: Normal/Low/Off		Pixel Shift Multi Shooting	delay/10sec. delay) Yes (4/16 image composite) '4		
White balance	Modes	Auto / Daylight / Shade / Cloudy / Incandescent / Fluorescent (Warm White / Cool White / Day	Playback	Photo Capture	Yes		
		White / Daylight) / Flash /Underwater/ Color Temperature (2500 to 9900K) & color filter (G7 to M7 (57-step), A7 to B7 (29-step)) / Custom		Modes	Single (with or without shooting information Y RGB histogram & highlight/shadow warnin 9/25-frame index view, Enlarged display mode (L: 23.8x, M: 15.6x, S: 11.9x), Auto Review		
	AWB micro adjustment	Yes (G7 to M7, 57-step) (A7 to B7, 29-step)			(10/5/2 sec,Off), Image orientation (Auto/Manual/Off selectable), Slideshow, Folder selection (Date/ Still/ AVCHD/XAVC S HD/XAVC S 4K), Forward/Rewind (movie), Delete, Protect, Rating,		
	Priority Set in AWB	Yes			Display as group		
	Shutter AWB Lock Bracketing	Yes (Shut. Halfway Down/ Cont. Shooting/ Off) 3 frames, H/L selectable	Interface	PC interface	Mass-storage, MTP, PC remote		
Focus	Focus type	Fast Hybrid AF (phase-detection AF/contrast-detection AF)		Multi / Micro USB Terminal USB Type-C™ Terminal	Yes (SuperSpeed USB (USB 3.2 Gen1) compatible)		
	Focus sensor	Exmor R CMOS sensor  35mm full frame: 567 points (phase-detection AF), APS-C mode with full frame lens: 325 points		NFC™	Yes (NFC forum Type 3 Tag compatible), One-touch remote, One-touch sharing		
	Focus point	(phase-detection AF), with APS-C lens: 247 points (phase-detection AF) /		Wireless LAN (built-in)	Wi-Fi Compatible, IEEE 802.11a/b/g/n/ac (2.4GHz band/5GHz band) <sup>16</sup> , View on Smartphone, Remote control via Smartphone, Send to Computer, View on TV		
	Focus sensitivity range	425 points (contrast-detection AF) EV-3 to EV20 (ISO100 equivalent with F2.0 lens attached)		Bluetooth®	Yes (Bluetooth Standard Ver. 4.1 (2.4GHz band))		
	Focus mode	AF-A (Automatic AF), AF-S (Single-shot AF), AF-C (Continuous AF), DMF (Direct Manual Focus),		HD output	HDMI micro connector (Type-D), BRAVIA Sync (Control for HDMI), PhotoTV HD, 4K movie output/4K still image PB		
		Manual Focus		Multi Interface Shoe	Yes (with Digital Audio Interface) '7		
	Focus area	Wide (567 points (phase-detection AF), 425 points (contrast-detection AF)) / Zone / Center / Flexible Spot (S/M/L) /Expanded Flexible Spot / Tracking (Wide / Zone / Center / Flexible Spot		Mic terminal	Yes (3.5 mm Stereo minijack)		
	Other features	(S/M/L)/Expand Flexible Spot)  Eve-start AF (only with LA-EA2 or LA-EA4 attached (Sold separately)). Tracking, Eve AF [Still]		Sync. terminal Remote Control	Yes Yes (IR remote control/Bluetooth® remote control)		
	Saler realares	Human (Right/Left Eye Select) / Animal, [Movie] Human (Right/Left Eye Select), AF micro		Headphone terminal	Yes (3.5 mm Stereo minijack)		
		adjustment, Predictive control, Focus lock, AF Track Sens, Swt.V/H AF Area, AF Area Regist., Circ. of Focus Point		Vertical grip connector	Yes		
	AF illuminator	Yes (with Built-in LED type)		PC remote LAN terminal	Yes -		
	Focus Type with LA-EA1 or	Approx. 0.3m - approx. 3.0m (with FE 28-70mm F3.5-5.6 OSS attached)  Phase-detection	Audio	Microphone	Built-in, stereo		
	LA-EA3 (Sold separately)		Print	Speaker Compatible standards	Built-in, monaural  Exif Print, Print Image Matching III, DPOF setting		
Exposure	Metering type Metering sensor	1200-zone evaluative metering Exmor R CMOS sensor	Custom function	Type	Custom key settings, Programmable Setting (Body 3 sets /memory card 4 sets), My Menu, My		
	Metering sensitivity range	EV-3 to EV20 (at ISO100 equivalent with F2.0 lens attached)	Lens compensation		Dial Settings, Reg Cust Shoot Set Peripheral Shading, Chromatic Aberration, Distortion		
	Metering mode	Multi-segment, Center-weighted, Spot, Spot Standard/Large, Entire Screen Avg., Highlight	Power	Setting Supplied battery	One rechargeable battery pack NP-FZ100		
	Exposure compensation	+/- 5.0EV (1/3 EV, 1/2 EV steps selectable) (with exposure compensation dial: +/- 3EV (1/3 EV steps))  Bracket: (ont., Bracket: Single, 3/5/9 frames selectable. With 3 or 5 frames, in 1/3, 1/2, 2/3, 1.0, 2/3, 0.5 V incomp	rowei	Still images	Approx. 530 shots (Viewfinder) / approx. 670 shots (LCD monitor) (CIPA standard) "8		
	Exposure bracketing			Movies (actual recording)  Movies (continuous recording)	Approx. 90 min (Viewfinder) / Approx. 105 min (LCD monitor) (CIPA standard) "9  Approx. 160 min (Viewfinder) / Approx. 170 min (LCD monitor) (CIPA standard)		
	AE Lock	2.0, or 3.0 EV increments, with 9 frames, in 1/3, 1/2, 2/3, or 1.0 EV increments.  Locked when shutter button is pressed halfway. Available with AE lock button. (On/Off/Auto)		Internal battery charge	Yes (Available with Multi/Micro USB Terminal or USB Type-C Terminal)		
	Exposure modes	AUTO (iAuto), Programmed AE (P), Aperture priority (A), Shutter-speed priority (S), Manual (M),		Power consumption With	Still images: approx. 3.7W (with FE 28-70mm F3.5-5.6 OSS lens attached),		
		Movie (Programmed AE (P) / Aperture priority (A) / Shutter-speed priority (S) / Manual (M) ), Slow & Quick Motion (Programmed AE (P) / Aperture priority (A) / Shutter-speed priority (S) /		viewfinder Power consumption With LCD	Movies: approx. 6.2W (with FE 28-70mm F3.5-5.6 OSS lens attached) Still images: approx. 2.9W (with FE 28-70mm F3.5-5.6 OSS lens attached),		
	ICO consists to 10	Manual (M) )		screen	Movies: approx. 5.8W (with FE 28-70mm F3.5-5.6 OSS lens attached)		
	ISO sensitivity (Recommended Exposure Index)	Still images: ISO 100-32000 (ISO numbers up from ISO 50 to ISO 102400 can be set as expanded ISO range.), AUTO (ISO 100-12800, selectable lower limit and upper limit), Movies:	Other	USB power supply Operating temperature	Yes (Available with Multi/Micro USB Terminal or USB Type-C Terminal)  32 - 104 degrees F / 0 - 40 degrees C		
		ISO 100-32000 equivalent, AUTO (ISO 100-12800, selectable lower limit and upper limit)	Size & Weight	Dimensions (W x H x D)	Approx. 128.9mm x 96.4mm x 77.5mm, Approx. 128.9mm x 96.4mm x 67.3mm (from grip to monitor		
Viewfinder	Anti-flicker shoot. Viewfinder type	Yes 1.3 cm (0.5 type) electronic viewfinder (color), UXGA OLED Tru-Finder		(Approx.) Weight	Approx. 51/8 x 37/8 x 31/8 inches, Approx. 51/8 x 37/8 x 23/4 inches (from grip to monitor)  Approx. 57/8 g / approx 1lb 7.5 oz (with battery and SD card)		
	Number of dots	5 760 000 dots	What's in the box	cignt	Power cord, Rechargeable Battery NP-FZ100, Cable Protector, Battery Charger BC-OZ1, Shoulde		
	Brightness control	Auto/Manual (5 steps between -2 and +2)			strap, Body cap, Accessory shoe cap, Eyepiece cup, USB Type-C™ cable		

\*1 With compatible Sony external flash \*2 With compatible external flash \*3 Varies according to shooting conditions or memory card used \*4 Images shot in Pixel Shift Multi Shooting mode can be processed using Imaging Edge desktop software. Maximum flash-sync speed is limited to 1/8 second. \*5 Supports Micro USB compatible device \*6 (Configuration method/Access method) WPS or manually /infrastructure mode. When connecting to smartphones, the camera can always work as a base without a wireless access point. (Security: WEP/WPA-PSK/) Models sold in some countries/regions support IEEE 802:11b/g/n (2.4GHz) wireless ALM only. \*\*75 only accessories for the Accessory Shoe an ab eattached. \*B The LCD screen is turned on, shot once every 30 seconds, operate zoom alternately between W and T ends, flash strobe once every two times, turn power off and on once every ten times.

\*9 Indication recording time, which is defined by repeating the cycle: Power on, start recording, zoom , stand-by and power off.

http://www.sony.net/digitalimaging/

#### Trademarks & Remarks

• 'X', 'Emmor', 'Emmo

Specifications and features are subject to change without notice. Product availability varies depending on market.

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# SONY



Interchangeable-lens digital camera

 $\alpha$ 7<sub>RIV</sub>



# $\alpha$ 7<sub>RIV</sub>

### **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  $\alpha$  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.





























5-axis INSIDE

Pixel Shift Multi Shooting

<sup>\*\*\*</sup> 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.

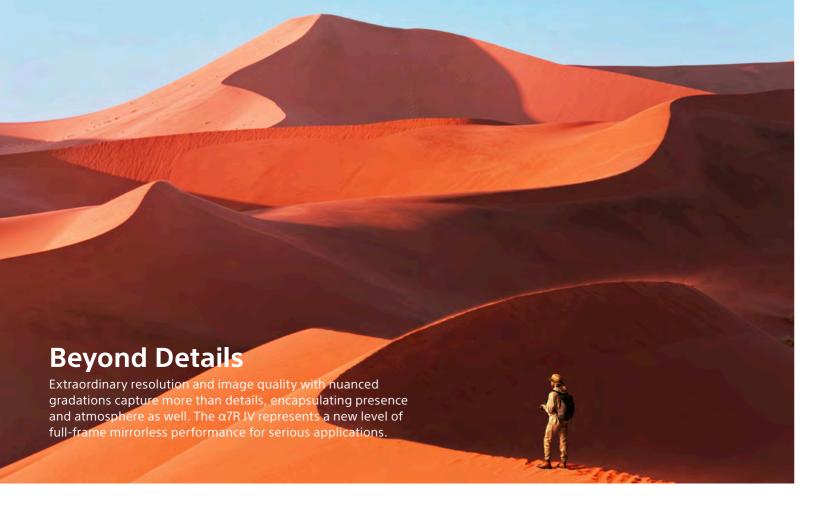










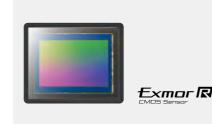


### A new level of reality

#### New 61.0-megapixel\* Exmor R™ sensor NEW

The  $\alpha$ 7R 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<sup>™</sup> image processing maximizes sensor potential NEW

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  $\alpha 7 R$  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, natural gradations from the deepest shadows to the brightest highlights. Portrait skin tones and the colors of nature are rendered with breathtaking realism.



#### Up to ISO 32000 with undiminished quality

A standard ISO range that extends from ISO 100 up to ISO 32000 and is expandable to ISO  $50 \sim ISO 102400$  for still images makes it possible to achieve optimum image quality in just about any light. Noise is effectively minimized even at high sensitivities, maintaining excellent image quality even with this sensor's high pixel count.



BIONZ X

ISO 3200

#### 16-bit processing and 14-bit RAW output

Image sensor output is processed in 16-bit form by the front-end LSI and BIONZ X processor before being output as compressed or uncompressed 14-bit RAW files that have smoother, more natural gradations for higher overall image quality. 14-bit RAW output is available even when shooting in silent or continuous mode.\*

\* Limited to 12 bits during compressed RAW continuous shooting, BULB exposure, or when Long Exposure NR is ON.

#### Optimum sharpness for any subject NEW

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.



Sharpness +5

### Making the most of 61.0 megapixels

#### Silent shooting

In addition to the mechanical shutter, the  $\alpha$ 7R 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

\* Some distortion may occur when shooting fast-moving subjects or if the camera is moved sideways rapidly while using the electronic shutter.

#### Reliable low-vibration shutter NEW

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.



#### 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. In-body image stabilization means that effective stabilization can be achieved with a wide range of lenses. 5-axis image stabilization is effective for movies as well as stills.

 $^{\star}$  CIPA standards. Pitch/yaw shake only. Planar T $^{\star}$  FE 50mm F1.4 ZA lens. Long exposure NR off.



### A clearer view

#### 5.76 million-dot UXGA OLED Tru-Finder

The  $\alpha$ 7R 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.

\* NTSC/PAL

QVGA OLED Tru-Finder

UXGA OLED Tru-Finder

LIXGA OLED

î.



### Small, light, rugged, and ready for work

#### Enhanced dust and moisture resistance\* NEW

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  $\alpha 7R$  III.



#### Improved grip NEW

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 surer hold. Ample room is provided for the little finger, and overhand

vided 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<sup>™</sup> and Multi/Micro USB connectors.

\* When using the LCD monitor. 530 images when using the viewfinder.

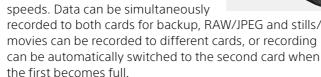
#### Designed and built for durability

Body durability has been enhanced by the use of a lightweight, high-rigidity magnesium alloy for the top cover, front cover, internal frame, and rear cover. Attachment points and rigidity at the lens mount are an

and rigidity at the lens mount are ample too, providing the strength needed for heavy lenses.

#### Dual UHS-II slots NEW

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



### When even higher resolution is needed

#### 16-image Pixel Shift Multi Shooting NEW

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  $\alpha$ 7R 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.





Normal single shot (200%)



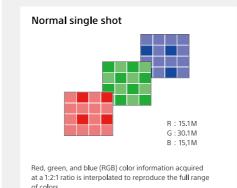
Pixel Shift Multi Shooting after compositing - 4 shots (200%)

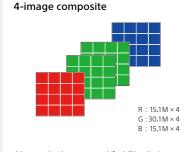


Pixel Shift Multi Shooting after compositing - 16 shots (100%)

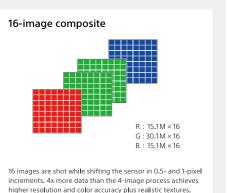
#### Accurate RGB for superior color fidelity

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.







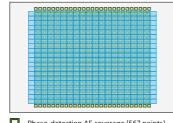




### Sony's AF leads the way

#### 4D FOCUS - Wide, fast, reliable AF gets the shot NEW

The new image sensor in the  $\alpha$ 7R 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.



### Phase-detection AF coverage (567 points) Contrast-detection AF coverage (425 points)

#### Reliable AF in low light **NEW**

Advanced AF algorithms contribute to high AF precision down to light levels as low as EV-3\* in the AF-S mode. The  $\alpha$ 7R 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.

- \* 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.

### **Smart subject tracking**

#### Real-time Tracking NEW

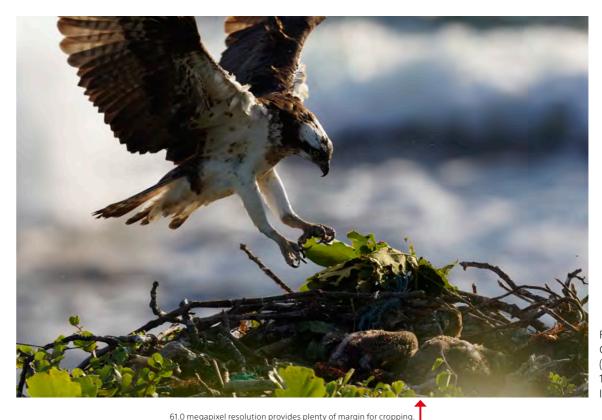
Real-time Tracking\* is a state-of-the-art feature that employs artificial intelligence to tenaciously track moving subjects when shooting stills or movies. Accurate focus is maintained automatically while the shutter button is half-pressed. The subject to be tracked can also be specified by touching 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, Al 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.

### Serious speed

#### 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 10 fps in continuous "Hi+" mode, and up to 8 fps in continuous "Hi" mode. Maximum fps will depend on camera settings.



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















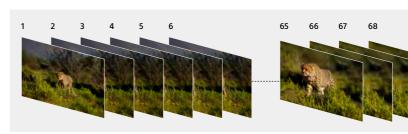






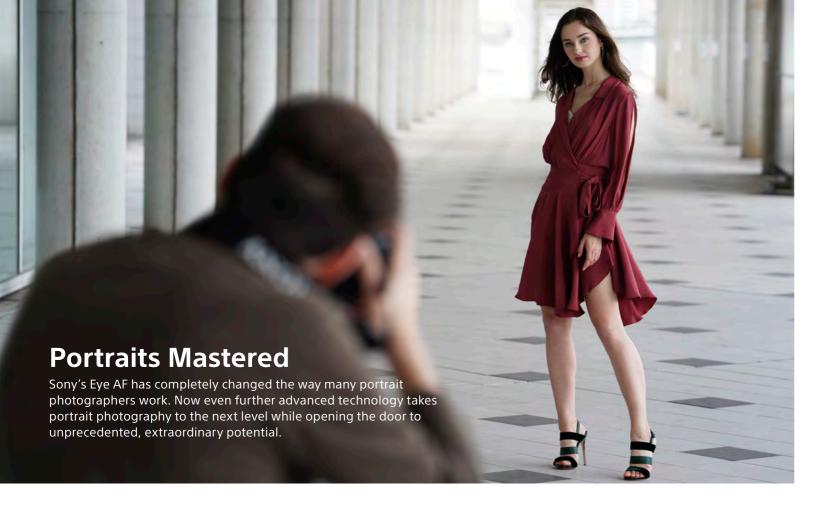
#### Up to 68 images per continuous burst

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.



 $<sup>{}^{\</sup>star}\text{ "Hi+" continuous mode with mechanical shutter. UHS-II compatible SDXC memory card. Sony test conditions are consistent of the state of th$ 

<sup>\* &</sup>quot;Tracking" in the menu. This function does not track animal eyes.



### **New portrait potential**

Another evolution in Real-time Eye AF (Human) NEW

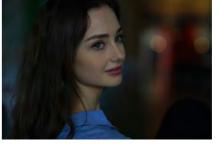


FE 85mm F1.4 GM (SEL85F14GM), 1/1000 sec., F2, ISO 200

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.

#### Reliable tracking in tricky situations







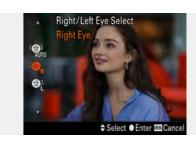
Subject looking down

Indoor shots when the face is dimly lit

Real-time Eye AF tenaciously tracks the subject's eyes in AF-C mode, even when shooting portraits indoors, when obstacles come between the camera and subject, when the subject is not looking directly at the camera, when the subject is wearing glasses, and more. \* Eye AF may not function as expected in some situations.

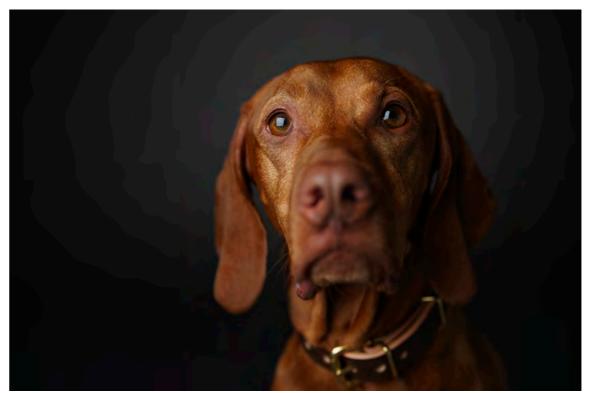
#### Right/Left eye selection NEW

In addition to automatic eye selection when using Eye AF, it is also possible to manually preselect the subject's right or left eye. This can be an advantage for portraiture in which the eye to be focused on is predetermined, allowing the photographer to concentrate on composition, lighting, and other details. This function works for both stills and movies.\* \* Not available when using Eye AF for animals.



### Eye AF takes an evolutionary leap

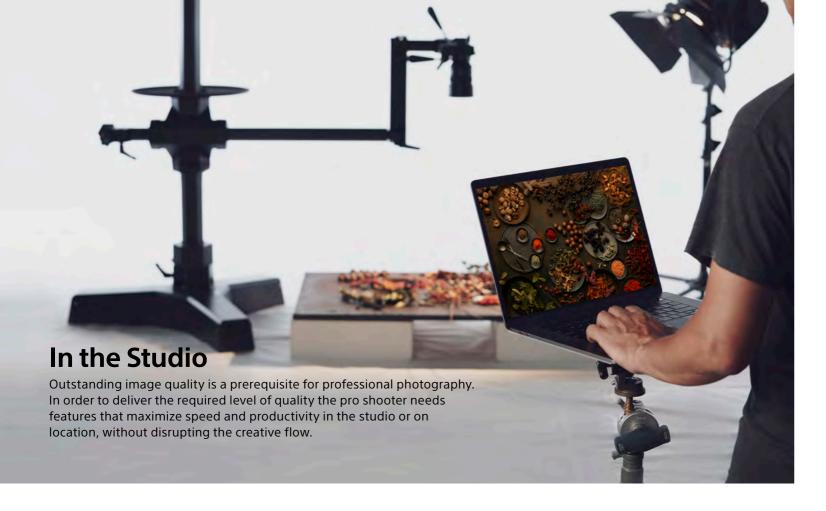
#### Real-time Eye AF animal mode\* tracks animal eyes



Planar T\* FE 50mm F1.4 ZA (SEL50F14Z), 1/400 sec., F2.8,

Advanced Al-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.\*\*

<sup>\*</sup>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**

PC Remote (tethered) shooting, where data is directly transferred to a computer so it can be viewed on a large monitor by staff and clients, is essential for smooth, productive workflow at model and product shoots. The  $\alpha$ 7R IV offers high-speed wired and wireless tethering capability with a number of file transfer and sorting options for maximum flexibility.

#### Wireless tethering (PC Remote) NEW

Wireless connectivity and PC Remote shooting let the photographer move around with fewer restrictions for a smoother, more efficient setup and 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 NEW

A USB Type-C<sup>™</sup> 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  $\alpha$ 7R III, for smooth transfer of large uncompressed RAW image files without interrupting the flow of the session.





#### PC Remote file storage options NEW

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  $\alpha$ 7R 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

#### **Studio lighting support**

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.





#### Wireless remote commander support NEW

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.



### **Powerful software support**

#### Imaging Edge™ applications (Remote/Viewer/Edit) NEW

Elevate your photography with Imaging Edge desktop applications. Use "Remote" to control and monitor shooting live on your PC screen; "Viewer" to guickly 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.

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









#### 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.

\* 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).



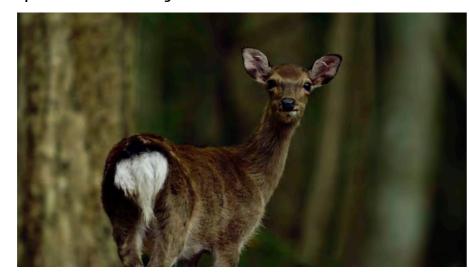


### **Record reality in spectacular 4K**

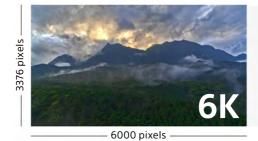
#### Full pixel readout without binning in Super 35mm mode for high-resolution 4K movies

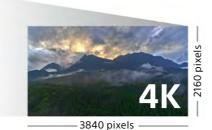
Full frame and Super 35mm\* formats can be selected for 4K movie recording. Full pixel readout in the Super 35mm mode (approx. APS-C 16:9), without the need for pixel binning, makes it possible to condense approximately 2.4 times\*\* the amount of data required for 4K movies (QFHD: 3840 x 2160), resulting 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 highlight gradations. 4K recording employs the XAVC S\*\*\* format at bit rates as high as 100 Mbps.

- \* Super 35mm 4K recording results in a slightly rrower angle of view
- \*\* 24p recording. Approx. 1.8 times for 30p recording. \*\*\* A Class 10 or higher SDHC/SDXC card is required for XAVC S format movie recording. UHS speed class 3 or higher is required for 100 Mbps recording



#### 2.4 times Information





### Let the camera focus while you create

#### Fast Hybrid AF for movies NEW

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-andgun projects, or in other one-operator shooting situations.

#### Real-time Eye AF for movies NEW

eye selection is available for movies too.

Human eyes can now be automatically identified and precisely tracked while shooting movies, so the operator can concentrate on the content rather than focus. The same Touch Tracking functionality that is provided for stills is also available for movie shooting, easily initiating Real-time Eye AF tracking on a specified eye. Right/left

#### Touch Tracking for movies NEW

Touch Tracking is also a boon for movie recording. Touch the subject to be tracked on the monitor, and the Real-time Tracking function will then process color, pattern (brightness), distance (depth), and face information to precisely and smoothly track the selected subject at the specified sensitivity and speed. It is also possible to half-press the shutter button or press the AF ON button while shooting to achieve fast focus (AF-S). This can be an advantage for weddings or documentaries, where there is only one chance to capture a scene. In such cases the focus area selected in advance is applied.



### **Details that support pro workflows**

#### Multi Interface Shoe with digital audio interface NEW

On the  $\alpha$ 7R 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 unrestrained freedom for  $\alpha$  system moviemaking.

#### Assignable XAVC S file name prefixes NEW

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.

#### Instant HDR workflow

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.

\* Connect this product to an HDR (HLG) compatible Sony TV via a USB cable when displaying HDR (HLG)

#### **Slow & Quick Motion**

(NTSC)/100 (PAL) fps can be selected in eight steps for up to 60x quick motion and 5x slow motion, recordable at up to

#### S-Log3 for wide 14-stop dynamic range

In addition to S-Log2, S-Log3 is available for better gradation 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.

#### 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.

\* Use the latest versions of the Imaging Edge and PlayMemories Home software.

Frame rates from 1 fps to 120 50 Mbps with full-HD quality.

#### **Proxy**

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

#### Other movie 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.



### 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 Flexible Spot focus area mode. A redesigned multi-selector shape and textured surface provide improved grip. Response in all eight directions has also been improved.

#### 3.0 type 1.44 million-dot tilting LCD monitor

This 3.0 type LCD touch screen with 1.44 million dots features high resolution for detailed viewing. WhiteMagic™ technology is included to ensure that LCD viewing is bright and clear 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.





#### Exposure compensation dial lock NEW



An exposure dial lock release button newly located at the center of the exposure compensation dial can be locked to prevent accidental, unwanted changes, or unlocked to allow rapid adjustments in varying light conditions.



Exposure compensation

#### **Touch Pad**

The monitor Touch Pad function allows the focus frame to be dragged to any desired point with a fingertip while viewing through the viewfinder. Relative and absolute modes are available, and nine area patterns provide easy operation when viewing with either eye, and when positioning with either hand. Response is approximately 1.5x faster than the  $\alpha$ 7R III.

#### **Switch Vertical and Horizontal AF Area**

Separate or identical focus areas and points can be used for horizontal and vertical 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 NEW

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.



#### Selectable focus frame color NEW



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.

\* The focus frame will appear in magenta if focus cannot be acquired when the shutter button is pressed

#### Enhanced peaking NEW



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.

### **Custom functions keep the creativity flowing**

#### My Dial NEW

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 guickly 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 NEW



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.



#### Smooth menu access NEW

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.



### Flexible exposure and white balance control

#### AWB lock NEW

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.

#### **Expanded custom white** balance control NEW

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.

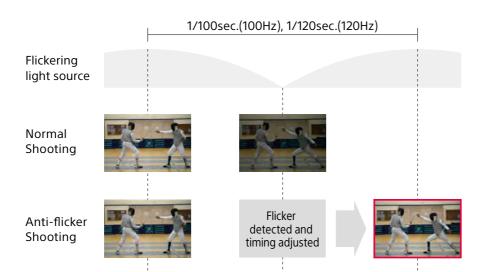
#### **Exposure standard adjustment**

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  $\alpha$ 7R 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.

\* Only 100 Hz and 120 Hz flicker is detected. Continuous shooting speed may decrease. Anti-flicker shooting is not available during silent shooting, BULB exposure, or movie recording



### Other file management and shooting functions

#### 10/100 image review jump NEW

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

#### mage Jump Method One by one By 10 images Protect Only Rating Only (All) Rating Only (\*) 6 ? WEN 3

#### 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.



#### 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.



#### New 4:3 and 1:1 aspect ratios NEW

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-shoot cropping and allowing for speedier delivery.



FE 24-70mm F2.8 GM (SEL2470GM), 1/40 sec., F5.6, ISO 200

#### FTP background transfer NEW

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.

Server Setting Server 5 Server 6 Server 7 Server 8 Server 9 elected Server

\* Models sold in some countries/regions support IEEE 802.11b/g/n (2.4GHz) wireless LAN only. 5 GHz communication may be restricted in some countries and regions.

\*\* FTP transfer is not available during movie recording

### **Essential apps**

#### 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.

- \* Bluetooth connectivity is available with smartphones running (as of April 2019):
- Bluetooth® 4.0 or later



#### Smartphone file transfer while camera power is off NEW

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 on a mobile device.\* Movie files can also

\* Imaging Edge Mobile Ver. 7.2 or later is required. "Cnct. During power OFF" in the camera's smartphone settings must be turned ON, and the camera and smartphone must be paired using Bluetooth® technology via the Imaging Edge Mobile application.

#### Number of recordable frames for single media

	16GB	32GB	64GB	128GE
Standard	950	1,900	3,850	7,700
Fine	640	1,250	2,550	5,100
Extra fine	340	680	1,350	2,750
RAW & JPEG (Compressed RAW & JPEG (Fine))	175	355	710	1,400
RAW (Compressed RAW)	245	490	980	1,950
RAW & JPEG (Uncompressed RAW & JPEG (Fine))	100	205	415	830
RAW (Uncompressed RAW)	120	245	495	990

- Recommended memory cards for movie recording in AVCHD/MP4 formats: SD memory card/SDHC memory card/SDXC memory card(Class 4 or more)
- SDXC memory card of Class 10 or higher The numbers in the table show approximate maximum recordable time
- obtained by totaling all movie files. AVCHD movies are automatically divided into separate files up to a maximum

#### Movie recording time for single media

Hours:Minutes:Seconds, Proxy off setting)							
		16GB	32GB	64GB	128GB		
(AVC S 4K	30p 100M/ 25p 100M	0:15:00	0:35:00	1:15:00	2:30:00		
	30p 60M/ 25p 60M	0:25:00	0:55:00	2:00:00	4:00:00		
	24p 100M	0:15:00	0:35:00	1:15:00	2:30:00		
	24p 60M	0:25:00	0:55:00	2:00:00	4:00:00		
(AVC S HD	120p 100M/ 100p 100M	0:15:00	0:35:00	1:15:00	2:30:00		
	120p 60M/100p 60M	0:25:00	0:55:00	2:00:00	4:00:00		
	60p 50M/ 50p 50M	0:35:00	1:10:00	2:25:00	5:00:00		
	60p 25M/ 50p 25M	1:05:00	2:20:00	4:45:00	9:40:00		
	30p 50M/ 25p 50M	0:35:00	1:10:00	2:25:00	5:00:00		
	30p 16M/ 25p 16M	1:45:00	3:35:00	7:20:00	14:55:00		
	24p 50M	0:35:00	1:10:00	2:25:00	5:00:00		
AVCHD	60i 24M (FX)/ 50i 24M (FX)	1:25:00	2:55:00	6:00:00	12:05:00		
	60i 17M (FH)/ 50i 17M (FH)	2:00:00	4:05:00	8:15:00	16:35:00		

#### **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

- 17 C1 (Custom 1) button
- 18 C2 (Custom 2) button

- 21 AF illuminator/Self-timer lamp

- 25 Mount
- 14 Multi Interface Shoe

- 15 Front dial
- 16 ON/OFF (POWER) switch/Shutter button
- 19 Exposure compensation dial
- 20 Exposure compensation dial lock release button
- 22 Infrared remote sensor
- 23 Lens release button
- 24 Mount index
- 26 Image sensor 27 Lens contacts











- 28 Battery cover
- 29 Tripod socket hole 31 Viewfinder
- 30 Eye sensor
- 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 For viewing: Image index button
- 47 Media slot cover 48 Hook for shoulder strap
- 46 Diopter-adjustment dial 49 N mark

40 For shooting: AF-ON button

41 Multi-selector

43 Control wheel

For viewing: Enlarge button

For viewing: Delete button

42 For shooting: Fn (Function) button

For viewing: Send to Smartphone button

44 Access lamp 45 For shooting: C4 button (Custom button 4)

# An extensive range of $\alpha$ lenses let you realize your full potential



FE 600mm F4 GM OSS (SEL600F40GM) 1/3200sec., F4, ISO 400



FE 200-600mm F5.6-6.3 G OSS (SEL200600G) 1/5000sec., F6.3, ISO 400





FE 24mm F1.4 GM (SEL24F14GM) 1.6sec., F8, ISO 100



FE 135mm F1.8 GM (SEL135F18GM) 1/1000sec., F2, ISO 400



FE 35mm F1.8 (SEL35F18F) 1/400sec., F2, ISO 800



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# E-mount G Master™



**G** MASTER

FE 24mm F1.4 GM





















**G** MASTER







FE 70-200mm F2.8 GM OSS



FE 85mm F1.4 GM

FE 100-400mm F4.5-5.6 GM OSS



FE 400mm F2.8 GM OSS



FE 600mm F4 GM 0SS



(SEL14TC) for SEL70200GM, SEL100400GM, SEL200600G, SEL400F28GM and



2x Teleconverter Lens (SEL20TC) for SEL70200GM. SEL100400GM, SEL200600G, SEL400F28GM and SEL600F40GM SEL600F40GM

### E-mount G Lens™











FE 24-105mn F4 G OSS



FE PZ 28-135mm F4 G OSS



FE 70-200mm F4 G OSS



FE 70-300mm F4.5-5.6 G OSS



FE 200-600mm F5.6-6.3 G OSS

#### E-mount ZEISS®





Distagon T\* FE 35mm F1.4 ZA (SEL35F14Z)



















Vario-Tessar T\* **FE 24-70mm F4 ZA OSS** (SEL2470Z)

33

### 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  $\alpha$  series bodies, including Eye AF, are supported for most A-mount lenses.\*

 $^\star$  With SSM and SAM lenses only. With the LA-EA3 mount adaptor. Eye AF not supported for movie recording. AF-C can only be used when the "Phase detection" AF system is selected, but focus is fixed at the first frame during continuous shooting in any mode other than "Continuous": Lo" (Hi, Hi, Mid).



## Options for expanded photographic capability







- Holds two Z Batteries, approximately doubling the number of stills that can be shot continuously.
- $\bullet$  The same grip and control access in horizontal and vertical orientations
- The same enhanced dust/moisture resistance\* and magnesium-chassis rigidity as the body.
- Camera power supplied via USB connector.\*\*
- \* Not guaranteed to be 100% dust and moisture proof. \*\* Power supply and charging cannot be carried out





• Eight mic capsules and advanced digital signal

processing provide three selectable directivity patterns

Super-directional pickup in a compact body that is only

• Connected to the α7R IV via its Multi Interface Shoe with

highest possible audio quality is achieved without noise

digital audio interface support, audio is directly

Designed to suppress mechanical noise.

transferred to the camera in digital form so that the

ECM-B1M mi Multi

in one microphone.

99.3mm (4 in.) long.

or degradation.







XLR-K3M mi Multi





- Two XLR/TRS combo connectors and one 3.5mm stereo
- mini jack for microphone and line input. • Flexible mounting and setup with extension cable.
- Can be used without separate power or cables.
- Designed to suppress mechanical noise.
- Comprehensive audio controls make post production easy.



HVL-F60RM mi Multi



NPA-MQZ1K (1) InfoLITHIUM (2)



NP-FZ100 (1) InfoLITHIUM (2)



BC-QZ1 (1) InfoLITHIUM (2)



PCK-LG1



Eyepiece Cup FDA-EP18

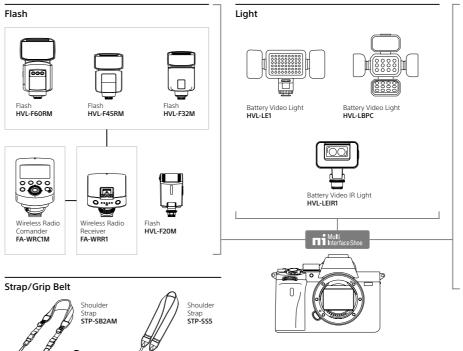


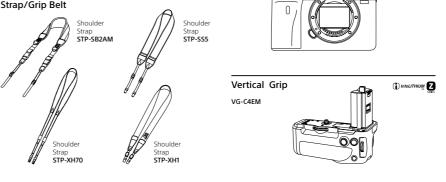
**SF-GT Series** 

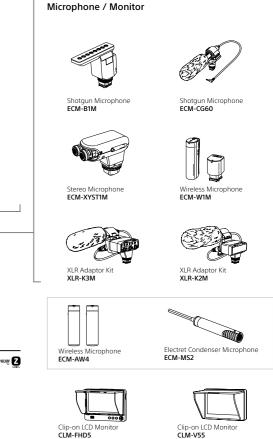


SL-C/SL-M series

#### System chart















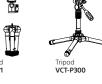
Case



Circular PL Filters
VF-49CPAM/VF-49CPAM2
VF-55CPAM/VF-55CPAM2
VF-62CPAM/VF-62CPAM2
VF-67CPAM/VF-67CPAM2
VF-72CPAM/VF-72CPAM2









Tripod / Commander









LCS-SC21

LCS-BP2







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