

## Main specifications of **α7R IV**

General	Camera type	Interchangeable-lens digital camera
	Lens mount	E-mount
Image sensor	Type	35mm full frame (35.7×23.8mm), Exmor R CMOS sensor
	Number of pixels	Approx. 61.0 megapixels (effective), Approx. 62.5 megapixels (total)
	Image sensor aspect ratio	3:2
	Anti-Dust system	Charge protection coating on optical filter and image sensor shift mechanism
Recording system (still image)	Recording format	JPEG (DCF Ver. 2.0, Exif Ver. 2.31, MPF Baseline compliant), RAW (Sony ARW 2.3 format)
	Image size [3:2] (pixels)	35mm full frame L: 9504 × 6336 (60M), M: 6240 × 4160 (26M), S: 4752 × 3168 (15M) APS-C L: 6240 × 4160 (26M), M: 4752 × 3168 (15M), S: 3120 × 2080 (6.5M)
	[4:3]	35mm full frame L: 8448 × 6336 (54M), M: 5552 × 4160 (23M), S: 4224 × 3168 (13M) APS-C L: 5552 × 4160 (23M), M: 4224 × 3168 (13M), S: 2768 × 2080 (5.8M)
	[16:9]	35mm full frame L: 9504 × 5344 (51M), M: 6240 × 3512 (22M), S: 4752 × 2672 (13M) APS-C L: 6240 × 3512 (22M), M: 4752 × 2672 (13M), S: 3120 × 1752 (5.5M)
	[1:1]	35mm full frame L: 6336 × 6336 (40M), M: 4160 × 4160 (17M), S: 3168 × 3168 (10M) APS-C L: 4160 × 4160 (17M), M: 3168 × 3168 (10M), S: 2080 × 2080 (4.3M)
	Image quality modes	RAW, RAW & JPEG (Extra fine, Fine, Standard), JPEG (Extra fine, Fine, Standard)
	Picture Effect	Posterization (Color), Posterization (B/W), Pop Color, Retro Photo, Partial Color (R/G/B/Y), High Contrast Monochrome, Toy Camera (Normal/Cool/Warm/Green/Magenta), Soft High-key
	Creative Style	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], Saturation [-3 to +3 steps], Sharpness [-5 to +5 steps])
	Picture Profile	Yes (Off / PPI-PPI0) Parameters: Black level, Gamma (Movie, Still, Cine1-4, ITU709, ITU709 [800%], S-Log2, S-Log3, HLG, HLG1-3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset
	Dynamic range functions	Off, Dynamic Range Optimizer (Auto/Level [1-5])
	Color space	sRGB standard (with sYCC gamut) and Adobe RGB standard compatible with TRILUMINOS Color
	14bit RAW	Yes
	Uncompressed RAW	Yes
Recording system (movie)	Recording format	XAVC S, AVCHD format Ver. 2.0 compliant
	Video compression	XAVC S: MPEG-4 AVC/H.264, AVCHD: MPEG-4 AVC/H.264
	Audio recording format	XAVC S: LPCM 2ch, AVCHD: Dolby Digital (AC-3) 2ch, Dolby Digital Stereo Creator w/YCC standard (1 x 2 color when connected via HDMI cable) compatible with TRILUMINOS Color
	Color space	sRGB standard (1 x 2 color when connected via HDMI cable) compatible with TRILUMINOS Color
	Picture Effect	Posterization (Color), Posterization (B/W), Pop Color, Retro Photo, Partial Color (R/G/B/Y), High Contrast Monochrome, Toy Camera (Normal/Cool/Warm/Green/Magenta), Soft High-key
	Creative Style	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], Saturation [-3 to +3 steps], Sharpness [-5 to +5 steps])
	Picture Profile	Yes (Off / PPI-PPI0) Parameters: Black level, Gamma (Movie, Still, Cine1-4, ITU709, ITU709 [800%], S-Log2, S-Log3, HLG, HLG1-3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset
	Image size	NTSC XAVC S 4K: 3840 × 2160 (30p, 100M), 3840 × 2160 (24p, 100M), 3840 × 2160 (30p, 60M), 3840 × 2160 (24p, 60M) XAVC S HD: 1920 × 1080 (120p, 100M), 1920 × 1080 (120p, 60M), 1920 × 1080 (60p, 50M), 1920 × 1080 (30p, 50M), 1920 × 1080 (24p, 50M), 1920 × 1080 (60p, 25M), 1920 × 1080 (30p, 16M) AVCHD: 1920 × 1080 (60i, 24M, FX), 1920 × 1080 (60i, 17M, FH)
		PAL XAVC S 4K: 3840 × 2160 (25p, 100M), 3840 × 2160 (25p, 60M) XAVC S HD: 1920 × 1080 (100p, 100M), 1920 × 1080 (100p, 60M), 1920 × 1080 (50p, 50M), 1920 × 1080 (25p, 50M), 1920 × 1080 (50p, 25M), 1920 × 1080 (25p, 16M) AVCHD: 1920 × 1080 (50i, 24M, FX), 1920 × 1080 (50i, 17M, FH)
	Slow & Quick Motion (S&Q) / Image frame rate	NTSC mode: 11ps, 21ps, 41ps, 81ps, 151ps, 301ps, 601ps, 1201ps PAL mode: 11ps, 21ps, 31ps, 61ps, 121ps, 251ps, 501ps, 1001ps
	Slow & Quick Motion (S&Q) / Image size	NTSC mode: 1920x1080 (60p, 30p, 24p), PAL mode: 1920x1080 (50p, 25p)
	Movie functions	Audio Level Display, Audio Rec Level, PAL/NTSC Selector, Proxy Recording (1280 × 720 (Approx. 9Mbps), TC/LIB (TC Preset/LB Preset/TC Format/TC Run/TC Make/UB Time Rec), Auto Slow Shutter, REC Control, Clean HDMI Info. (ON/OFF selectable), Gamma Disp. Assist
	HDMI output	3840 × 2160 (25p), 1920 × 1080 (50p), 1920 × 1080 (50p), 1920 × 1080 (24p), 1920 × 1080 (60p), 1920 × 1080 (60i), 3840 × 2160 (30p), 3840 × 2160 (24p), YCbCr 4:2-2 8bit / RGB 8bit
Recording system	Location Information Link From Smartphone	Yes
	Media	SD memory card, SDHC memory card (UHS-I/II compliant), SDXC memory card (UHS-I/II compliant), microSD memory card, microSDHC memory card, microSDXC memory card
	Memory card slot	SLOT1: SD / SLO2: Slot for SD (UHS-I/II compliant) memory card
	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
Noise reduction	Noise reduction	Long exposure NR: On/Off, available at shutter speeds longer than 1 sec. High ISO NR: Normal/Low/Off
	Multi Frame NR	-
White balance	Modes	Auto / Daylight / Shade / Cloudy / Incandescent / Fluorescent (Warm White / Cool White / Day White / Daylight) / Flash / Underwater / Color Temperature (2500 to 9900K) & color filter (G7 to M7 (S7-step), A7 to B7 (29-step)) / Custom
	AWB micro adjustment	Yes (G7 to M7, S7-step) / A7 to B7, 29-step)
	Priority Set in AWB	Yes
	Shutter AWB Lock	Yes (Shut. Halfway Down/ Cont. Shooting/ Off)
	Bracketing	3 frames, H/L selectable
Focus	Focus type	Fast Hybrid AF (phase-detection AF/contrast-detection AF)
	Focus sensor	Exmor R CMOS sensor
	Focus point	35mm full frame: 567 points (phase-detection AF), APS-C mode with full frame lens: 325 points (phase-detection AF), with APS-C lens: 247 points (phase-detection AF) / 425 points (contrast-detection AF)
	Focus sensitivity range	EV-3 to EV20 (ISO100 equivalent with F2.0 lens attached)
	Focus mode	AF-A (Automatic AF), AF-S (Single-shot AF), AF-C (Continuous AF), DMF (Direct Manual Focus), Manual Focus
	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 (S/M/L)/Expanded Flexible Spot)
	Other features	Eye-start AF (only with LA-EA2 or LA-EA4 attached (Sold separately)), Tracking, Eye AF [Still] Human (Right/Left Eye Select) / Animal, [Movie] Human (Right/Left Eye Select), AF micro adjustment, Predictive control, Focus lock, AF Track Sens, SwtL/H AF Area, AF Area Regist., Circ. of Focus Point
	AF illuminator	Yes (with Built-in LED type) Approx. 0.3m / approx. 3.0m (with FE 28-70mm F3.5-5.6 OSS attached)
	Focus Type with LA-EA1 or LA-EA3 (Sold separately)	Phase-detection
Exposure	Metering type	1200-zone evaluative metering
	Metering sensor	Exmor R CMOS sensor
	Metering sensitivity range	EV-3 to EV20 (at ISO100 equivalent with F2.0 lens attached)
	Metering mode	Multi-segment, Center-weighted, Spot, Spot Standard/Large, Entire Screen Avg., Highlight
	Exposure compensation	+/- 5.0EV (1/3 EV, 1/2 EV steps selectable) (with exposure compensation dial: +/- 3EV (1/3 EV steps))
	Exposure bracketing	Bracket: Cont., Bracket: Single, 3/5/9 frames selectable. With 3 or 5 frames, in 1/3, 1/2, 2/3, 1.0, 2.0, or 3.0 EV increments, with 9 frames, in 1/3, 1/2, 2/3, or 1.0 EV increments.
	AE Lock	Locked when shutter button is pressed halfway. Available with AE lock button. (On/Off/Auto)
	Exposure modes	AUTO (Auto), Programmed AE (P), Aperture priority (A), Shutter-speed priority (S), Manual (M), 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) / Manual (M))
	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: ISO 100-32000 equivalent, AUTO (ISO 100-12800, selectable lower limit and upper limit)
	Anti-flicker shoot.	Yes
Viewfinder	Viewfinder type	1.3 cm (0.5 type) electronic viewfinder (color), UXGA OLED Tru-Finder
	Number of dots	5 760 000 dots
	Brightness control	Auto/Manual (5 steps between -2 and +2)

\*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/WPA2-PSK) Models sold in some countries/regions support IEEE 802.11b/g/n (2.4GHz) wireless LAN only. \*7 Sony accessories for the Accessory Shoe can be attached. \*8 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/>

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

Viewfinder	Color temperature control	Manual (5 steps)
	Field coverage	100%
	Magnification	Approx. 0.78 x (with 50mm lens at infinity, -1m <sup>-1</sup> )
	Dioptric adjustment	-4.0 to +3.0m <sup>-1</sup>
	Eye point	Approx. 23mm from the eyepiece lens, 18.5mm from the eyepiece frame at -1m <sup>-1</sup> (CIPA standard)
	Finder Frame Rate selection	NTSC mode: STD 60fps / HI 120fps, PAL mode: STD 50fps / HI 100fps
	Display Contents	Graphic Display, Display All Info., No Disp. Info., Digital Level Gauge, Histogram
LCD Screen	Type	7.5cm (3.0-type) type TFT
	Number of dots (total)	1,440,000 dots
	Touch panel	Yes
	Brightness control	Manual (5 steps between -2 and +2), Sunny Weather mode
	Adjustable angle	Up by approx. 107 degrees, Down by approx. 41 degrees
	Display Selector (FINDER/LCD)	Yes (Auto/Manual)
	Real-time image-adjustment display	On/Off
	Quick Navi	Yes
	Focus magnifier	Yes (35mm full frame: 5.0x, 11.9x APS-C: 3.9x, 7.8x)
	Zebra	Yes (selectable level + range or lower limit as custom setting)
	Peaking MF	Yes (Level setting: High/Mid/Low/Off, Color: Red/Yellow/Blue/White)
	Others	WhiteMagic™, Grid Line (Rule of 3rds, Grid/Square Grid/Diag. + Square Grid/Off), Movie Marker (Center/Aspect/Safety Zone/Guideframe)
	Display Contents	Graphic Display, Display All Info, No Disp. Info, Digital Level Gauge, Histogram, For viewfinder, Monitor Off
Other features	PlayMemories Camera Apps	-
	Clear Image Zoom	Still images: Approx. 2x Movies: Approx. 1.5x (4K), Approx. 2x (HD)
	Digital zoom	Smart zoom (Still images): 35mm full frame: M: approx 1.5x, S: approx 2x / APS-C: M: approx 1.3x, S: approx 2x 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
	Digital zoom (Movie)	35mm full frame: approx 4x / APS-C: approx 4x
	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
	Others	Interval Recording, Touch Focus: Yes (Touch Focus/Touch Pad/Touch Tracking), ISO AUTO Min. 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
Shutter	Type	Electronically-controlled, vertical-traverse, focal-plane type
	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)
	Flash sync. Speed	1/250 sec. <sup>-1</sup>
	Electronic Front Shutter Curtain	Yes (ON/OFF)
	Silent Shooting	Yes (ON/OFF)
SteadyShot INSIDE (image stabilization)	Type	Image Sensor-Shift mechanism with 5-axis compensation (Compensation depends on lens specifications)
	Compensation effect	5.5 stops (based on CIPA standard). Pitch/yaw shake only. With Planar T* FE 50mm F1.4 ZA lens mounted. Long exposure NR off.
Flash	Control	Pre-flash TTL
	Flash compensation	+/- 3.0 EV (switchable between 1/3 and 1/2 EV steps)
	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 1/3, 1/2, 2/3, 1.0 EV increments.
	Flash modes	Flash off, Auto/flash, Fill-flash, Slow Sync., Rear Sync., Red-eye reduction (on/off selectable), Wireless <sup>1</sup> , Hi-speed sync. <sup>2</sup>
	External flash	Sony α System Flash compatible with Multi Interface Shoe, attach the shoe adaptor for flash compatible with Auto-lock accessory shoe
	FE level lock	Yes
	Wireless control	Yes (Light signal: Available with Fill-flash, Slow Sync., Hi-speed sync. /Radio signal: Available with Fill-flash, Rear Sync., Slow Sync., Hi-speed sync.)
Drive	Drive modes	Single Shooting, Continuous shooting (Hi-/Hi-/Mid/Low selectable), Self-timer, Self-timer (Cont.), Bracket: Single, Bracket: Cont., White Balance bracket, DRO bracket
	Speed (approx., max.)	Continuous shooting: Hi-: max. 10 fps, Hi-: max. 8 fps, Mid: max. 6fps, Lo: max. 3 fps <sup>3</sup>
	No. of frame recordable <sup>3</sup> (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
	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 frames after 2 sec. delay/5 frames after 2 sec. delay)/Bracketing self-timer (Off/2 sec. delay/5 sec. delay/10sec. delay)
	Pixel Shift Multi Shooting	Yes (4/16 image composite) <sup>4</sup>
Playback	Photo Capture	Yes
	Modes	Single (with or without shooting information Y RGB histogram & highlight/shadow warning), 9/25-frame index view, Enlarged display mode (L: 29.8x, M: 15.6x, S: 11.9x), Auto Review (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, Display as group
Interface	PC interface	Mass-storage, MTP, PC remote
	Multi / Micro USB Terminal	Yes <sup>5</sup>
	USB Type-C™ Terminal	Yes (SuperSpeed USB (USB 3.2 Gen1) compatible)
	NFC™	Yes (NFC Forum Type 3 Tag compatible), One-touch remote, One-touch sharing
	Wireless LAN (built-in)	Wi-Fi Compatible, IEEE 802.11a/b/g/n/ac (2.4GHz band/5GHz band) <sup>6</sup> , View on Smartphone, Remote control via Smartphone, Send to Computer, View on TV
	Bluetooth®	Yes (Bluetooth Standard Ver. 4.1 [2.4GHz band])
	HD output	HDMI micro connector (Type-D), BRAVIA Sync (Control for HDMI), PhotoTV HD, 4K movie output/4K still image PB
	Multi Interface Shoe	Yes (with Digital Audio Interface) <sup>7</sup>
	Mic terminal	Yes (3.5 mm Stereo minijack)
	Sync. terminal	Yes
	Remote Control	Yes (IR remote control/Bluetooth® remote control)
	Headphone terminal	Yes (3.5 mm Stereo minijack)
	Vertical grip connector	Yes
	PC remote	Yes
	LAN terminal	-
Audio	Microphone	Built-in, stereo
	Speaker	Built-in, monaural
Print	Compatible standards	Exif Print, Print Image Matching III, DPOF setting
Custom function	Type	Custom key settings, Programmable Setting (Body 3 sets /memory card 4 sets), My Menu, My Dial Settings, Reg Cust Shoot Set
Lens compensation	Setting	Peripheral Shading, Chromatic Aberration, Distortion
Power	Supplied battery	One rechargeable battery pack NP-FZ100
	Still images	Approx. 530 shots (Viewfinder) / approx. 670 shots (LCD monitor) (CIPA standard) <sup>8</sup>
	Movies (actual recording)	Approx. 90 min (Viewfinder) / Approx. 105 min (LCD monitor) (CIPA standard) <sup>9</sup>
	Movies (continuous recording)	Approx. 160 min (Viewfinder) / Approx. 170 min (LCD monitor) (CIPA standard)
	Internal battery charge	Yes (Available with Multi/Micro USB Terminal or USB Type-C Terminal)
	Power consumption With viewfinder	Still images: approx. 3.7W (with FE 28-70mm F3.5-5.6 OSS lens attached), Movies: approx. 6.2W (with FE 28-70mm F3.5-5.6 OSS lens attached)
	Power consumption With LCD screen	Still images: approx. 2.9W (with FE 28-70mm F3.5-5.6 OSS lens attached), Movies: approx. 5.8W (with FE 28-70mm F3.5-5.6 OSS lens attached)
	USB power supply	Yes (Available with Multi/Micro USB Terminal or USB Type-C Terminal)
Other	Operating temperature	32 - 104 degrees F / 0 - 40 degrees C
Size & Weight	Dimensions (W x H x D) (Approx.)	Approx. 128.9mm x 96.4mm x 77.5mm, Approx. 128.9mm x 96.4mm x 67.3mm (from grip to monitor) / Approx. 5 1/8 x 3 7/8 x 3 1/8 inches, Approx. 5 1/8 x 3 7/8 x 2 3/4 inches (from grip to monitor)
	Weight	Approx. 578 g / approx 1lb 7.5 oz (with battery and SD card)
What's in the box		Power cord, Rechargeable Battery NP-FZ100, Cable Protector, Battery Charger BC-QZ1, Shoulder strap, Body cap, Accessory shoe cap, Eyepiece cup, USB Type-C™ cable

# SONY

**α**  
ALPHA

Interchangeable-lens digital camera

**α7R IV**

