



Evolved Imaging Intelligence

- Autofocus has been redefined with the power of artificial intelligence
- BIONZ XR imaging processor with an AI processing unit
- 61.0 MP Exmor R CMOS Sensor; 8.0 steps 5-axis IBIS
- 8K 24/25p and 4K 50/60p HDR video recording



Autofocus redefined with the power of AI

The Sony Alpha 7R V introduces the next evolution of autofocus performance in a full-frame mirrorless camera. Combining Sony's industry leading Real-time Tracking AF with an all-new AI processing unit, unprecedented AF speed and accuracy is now achievable, while unlocking a new suite of subject and object recognition. The AI processing unit featured in the Alpha 7R V utilises deep learning AI to process immense volumes of image data, delivering breathtaking results. For Human autofocus recognition, AF acquisition has been dramatically increased through AI with "*human pose estimation*", using more than just face and eyes for detection,



delivering accurate autofocus even if the subject is wearing sunglasses, a motorbike helmet, or is even facing away from the camera.

AF Subject Recognition has also expanded to include *Insects*, *Airplanes*, *Cars/Trains*, in addition to *Human*, *Animal* and *Birds* for both Stills and Movie mode.



Exceptional Resolution

As has become the expectation of the Alpha R series, the Alpha 7R V delivers on exceptional image resolution. The 61.0 megapixel image sensor paired with the BIONZ XR image processor delivers the highest resolution in α history at low sensitivity with greater auto-exposure control and colour reproduction. Additionally, with the AI processing unit, auto white balance accuracy has been substantially improved.

MODEL	EAN	SRP
ILCE-7RM5B	4548736145627	\$6,199

UPGRADES & SECONDARY FEATURES

- 693 Phase-detect AF points (full-frame)
- Expanded ISO of 102400 (Stills) and 32000 (Movie)
- 10fps Stills burst shooting
- 184 RAW(Compressed) + JPEG buffer depth
- Expanded subject database with Human/ Animal/ Bird/ Insects/ Car|Train/ Airplane
- 8.0 steps (CIPA) image stabilisation with gyro sensor
- Digital Audio Interface supported
- 8K 24/25p and 4K 50/60p movie recording
- Internal intra-frame recording at 10-bit 4:2:2
- 16-bit RAW video output over HDMI
- Dual CFe-Type A & SD Card media slots
- 9.44 million-dot Quad XGA EVF, up to 120fps
- Improved weather sealing
- Improved heat dissipation
- Bluetooth Standard Ver. 5.0
- Wi-Fi 5GHz(2x2)+/2.4GHz/LAN



α7R V

Upgrade Image Stabilisation system

The Alpha 7R V utilises an upgraded 5-axis in-body image stabilisation system which delivers up to 8.0-step¹ stabilisation. An updated stabilisation algorithm paired with a high-precision gyro sensor provides precise detection and control right down to the single-pixel level, taking full advantage of the sensor's 61.0 megapixel resolution potential to bring out the finest subject details.

4-axis multi-angle LCD monitor

The Alpha 7R V utilises the newly developed 4-axis multi-angle LCD monitor that can be freely adjusted in both a tilt-able direction or side open. This flexibility provides excellent operability for both high-resolution shooting and video recording.



Pixel Shift Multi Shoot Upgraded

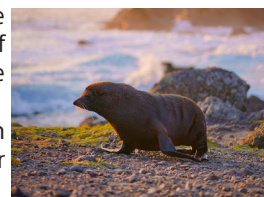
When using the new Imaging Edge Desktop™ PC application, images which were captured using Pixel Shift Multi Shoot are automatically detected, and corrections for small pixel movements, such as people, clouds and leaves, are made during compositing. By taking advantage of Pixel Shift Multi Shoot, images can be captured at 240.8 megapixels with greater RGB data accuracy.

Multi-resolution and multi-RAW selection

As first seen in the Alpha 1, the Alpha 7R V supports the multi-RAW file selection of Compressed RAW, Uncompressed RAW and Lossless RAW. Lossless RAW captures approx. 50% to 80% file size without quality degradation when compared to Uncompressed RAW, saving on storage. RAW file sizes are also supported, with full-frame options of 26MP and 15MP, and APS-C scan options of 26MP and 15MP².

High resolution movie shooting

Utilising the high resolution image sensor, the Alpha 7R V is capable of capturing stunning 8K HDR footage at 24/25 frames per second. Additionally, 4K HDR footage can also be recorded at up to 60fps for 4x slow-motion footage.



Redesigned Mode Dial for the true Hybrid



The Mode Dial on the Alpha 7R V has been redesigned to the two-tier design, as seen in the Alpha 7 IV. The bottom dial shifts between Stills, Movie, and S&Q. The top dial changes the mode. This design allows fluid and fast in-the-field changes between photo and video mode.

Viewfinder

- ✓ Quad-XGA 9,440K dot OLED EVF
- ✓ High 100 (PAL) FPS refresh rate

Inputs/Outputs

- ✓ Headphone output
- ✓ Microphone input
- ✓ HDMI Type A
- ✓ Flash sync port

REC button

- ✓ Enlarged and relocated to the top



4-axis multi-angle LCD

- ✓ Full touch screen interaction with menu
- ✓ Approx. Up 98°, down 40°, side 180°, rotation 270°



USB-C | micro-USB

- ✓ SuperSpeed 10 Gbps USB-C 3.2
- ✓ Multi / Micro USB Terminal

MI hotshoe

- ✓ Digital Audio Interface supported



Still/Movie/S&Q mode dial

- ✓ Two-tier dial for fluid changes between Stills/Movie/S&Q

(**1) CIPA standards. Pitch/yaw shake only. FE 50mm F1.2 GM lens. Long exposure NR off. (2) When shooting in Lossless RAW compression.



Main Specifications

Sensor	Type	35mm full frame (35.7 x 23.8 mm), Exmor R CMOS sensor
	No. of pixels (effective)	Approx. 61.0 megapixels
	No. pixels (total)	Approx. 62.5 megapixels
	Image Stabilisation	Image Sensor-Shift mechanism with 5-axis compensation (Compensation depends on lens specifications). 8.0 stops (based on CIPA standard. Pitch/yaw shake only. With FE 50mm F1.2 GM lens mounted. Long exposure NR off.)
RECORDING SYSTEM (STILLS)	Format	JPEG (DCF Ver. 2.0, Exif Ver. 2.32, MPF Baseline compliant), HEIF (MPEG-A MIAF compliant), RAW (Sony ARW 4.0 format compliant)
	Image Quality	RAW (Compressed / Lossless Compressed (L / M / S) / Uncompressed), HEIF (4:2:0 / 4:2:2) (Extra fine / Fine / Standard / Light), RAW & JPEG, RAW & HEIF
	Colour Space	sRGB standard (with sYCC gamut), Adobe RGB standard and Rec. ITU-R BT.2100 standard (BT.2020 gamut).*1
	Creative Look	ST, PT, NT, VV, VV2, FL, IN, SH, BW, SE, Custom Look (1-6)
RECORDING SYSTEM (MOVIE)	Recording Format	XAVC S, XAVC HS, XAVC S-I
	Recording Settings (PAL)	XAVC HS 8K: 7680 x 4320 (4:2:0, 10bit, PAL) (Approx.) 25p (400 Mbps / 200 Mbps); XAVC HS 4K: 3840 x 2160 (4:2:0, 10bit, PAL) (Approx.) 50p (150 Mbps / 75 Mbps / 45 Mbps), 3840 x 2160 (4:2:2, 10bit, PAL) (Approx.) 50p (200 Mbps / 100 Mbps); XAVC S 4K: 3840 x 2160 (4:2:0, 8bit, PAL) (Approx.) 50p (150 Mbps), 25p (100 Mbps / 60 Mbps), 3840 x 2160 (4:2:2, 10bit, PAL) (Approx.) 50p (200 Mbps), 25p (140 Mbps); XAVC S HD: 1920 x 1080 (4:2:0, 8bit, PAL) (Approx.) 100p (100 Mbps / 60 Mbps), 50p (50 Mbps / 25 Mbps), 25p (50 Mbps / 16 Mbps), 1920 x 1080 (4:2:2, 10bit, PAL) (Approx.) 50p (50 Mbps), 25p (50 Mbps), XAVC S-I 4K: 3840 x 2160 (4:2:2, 10bit, PAL) (Approx.) 50p (500 Mbps), 25p (250 Mbps); XAVC S-I HD: 1920 x 1080 (4:2:2, 10bit, PAL) (Approx.) 50p (185 Mbps), 25p (93 Mbps)
	Slow & Quick Format	XAVC S, XAVC HS
	(S&Q) Frame Rate (PAL)	PAL mode: 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps
	Colour Space	Rec. ITU-R BT.2100 standard compatible (BT.2020 gamut)*4
	Picture Profile	Yes (Off / PP1-PP11) Parameters: Black level, Gamma (Movie, Still, S-Cinetone, 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
AUDIO	Audio Recording Format	LPCM 2ch (48 kHz 16 bit), LPCM 2ch (48 kHz 24 bit) , LPCM 4ch (48 kHz 24 bit) , MPEG-4 AAC-LC 2ch
	Microphone	Built-in, stereo
	Speaker	Built-in, monaural
MEDIA	Slots	SLOT1: Multi slot for SD (UHS-I/II compliant) memory card / CFexpress Type A card, SLOT2: Multi slot for SD (UHS-I/II compliant) memory card / CFexpress Type A card
WHITE BALANCE	WB Options	Auto / Daylight / Shade / Cloudy / Incandescent / Fluorescent / Flash / Underwater / Color Temperature (2500 to 9900 K) & color filter / Custom
FOCUS SYSTEM	Type	Fast Hybrid AF (phase-detection AF / contrast-detection AF)
	Focus Point	35mm full frame: 693 points (phase-detection AF), APS-C mode with FF lens: 693 points (phase-detection AF), with APS-C lens: 567 points (phase-detection AF) / 25 points (contrast-detection AF)
	AF Modes	AF-A (Automatic AF), AF-S (Single-shot AF), AF-C (Continuous AF), DMF (Direct Manual Focus), Manual Focus
	Focus Area	Wide / Zone / Center Fix / Spot / Expand Spot / Tracking
	Eye AF	Human (Right/Left Eye Select) / Animal (Right/Left Eye Select) / Bird / Insect / Car Train / Airplane
EXPOSURE CONTROL	Modes	STILLS: AUTO (iAuto), 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) / Flexible Exp. Mode); Slow & Quick Motion (Programmed AE (P) / Aperture priority (A) / Shutter-speed priority (S) / Manual (M) / Flexible Exp. Mode)
	ISO Range	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)
VIEWFINDER	Type	1.6 cm (0.64 type) electronic viewfinder (Quad-XGA OLED)
	Resolution	9 437 184 dots
	Field Coverage	100%
	Frame Rate (PAL)	PAL mode: STD 50fps / HI 100fps

Main Specifications

LCD SCREEN	Type	8.0 cm (3.2-type) type TFT
	Resolution	2 095 104 dots
	Touch Panel	Yes
	Adjustable Angle	Opening Angles (approx.): Up 98 °, down 40 °, side 180 °, rotation 270 °
SHUTTER	Type	Electronically-controlled, vertical-traverse, focal-plane type
	Shutter Speed Range	Still images: 1/8000 to 30 s, Bulb, Movies: 1/8000 to 1/4 (1/3 steps), up to 1/50 in AUTO mode (up to 1/25 in Auto slow shutter mode)
	Flash Sync Speed	1/250 s (35mm full frame), 1/320 s (APS-C)
	Electronic Front Curtain	Yes (ON/OFF)
	Silent Shutter	Yes (ON/OFF)
	Modes	Single Shooting, Continuous shooting (Hi+/Hi/Mid/Lo selectable), Self-timer, Self-timer (Cont.), Bracket: Single, Bracket: Cont., Focus Bracket, White Balance bracket, DRO bracket
INTERFACE	Video Output	HDMI connector (Type-A): 3840 x 2160 (60p / 50p / 30p / 25p / 24p) / 1920 x 1080 (60p / 50p / 24p) / 1920 x 1080 (60i / 50i), YCbCr 4:2:2 10bit / RGB 8bit; 7860 x 4320 (24p / 25p), YCbCr 4:2:0 8bit*5
	Multi Interface shoe	Yes (with Digital Audio Interface)
	Wireless LAN (built-in)	Yes (Wi-Fi Compatible, IEEE 802.11a/b/g/n/ac (2.4 GHz band/5 GHz band))*19 *20
	Remote Control (wireless)	Yes (Bluetooth remote control)
	Bluetooth	Yes (Bluetooth Standard Ver. 5.0 (2.4 GHz band))
	USB-C	Yes (SuperSpeed USB 10 Gbps (USB 3.2) compatible)
CONSTRUCTION	Chassis Material	Magnesium Alloy
	Dust & Weather Resist.	Yes
	Dimensions	Approx. 131.3 x 96.9 x 82.4 mm, Approx. 131.3 x 96.9 x 72.3 mm (from grip to monitor)
	Weight	Approx. 723 g (with battery and memory card)
USB Streaming	Video data format	MJPEG
	Video resolution	3840 x 2160 (15p / 12.5p) / 1920 x 1080 (60p / 50p / 30p / 25p) / 1280 x 720 (30p / 25p)
	Audio data format	LPCM 2ch (16 bit 48 kHz)
	Simultaneous internal recording	Yes
	Video data format	YUV420
BATTERY	Battery Model	NP-FZ100
	Battery Life	STILL IMAGES: Approx. 440 shots (Viewfinder) / Approx. 530 shots (LCD monitor) (CIPA standard); MOVIE: Approx. 90 min (Viewfinder) / Approx. 100 min (LCD monitor) (CIPA standard)
INCLUDED	Box Contents	Rechargeable Battery NP-FZ100, Battery Charger BC-QZ1, Power cord, Cable Protector, Shoulder strap, Body cap, Accessory shoe cap, Eyepiece cup, USB-A to USB-C cable (USB 3.2)

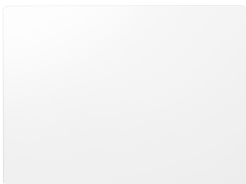
Accessories

CFExpress Media and Card Reader



Model	SRP	EAN
CEA-G80T 80GB card	\$369.00	4548736089099
CEA-G160T 160GB card	\$699.00	4548736089105
MRWG2 card reader	\$249.00	4548736120419

LCD Screen Protector



Model	SRP	EAN
PCK-LG3	\$59.00	4548736142190

GN60 Flash Unit



Model	SRP	EAN
HVL-F60RM2	\$849.00	4548736133297

E&OE – every effort is made to ensure information herein is accurate at the time of publication.