

SONY

Press Release

Sony's New α 9 Camera Revolutionises the Professional Imaging Market
Groundbreaking Full-frame Mirrorless Camera Delivers Unmatched Speed, Versatility and Usability



- **World's first¹ full-frame stacked CMOS sensor, 24.2 MP² resolution**
- **Blackout-Free Continuous Shooting³ at 20fps⁴ for up to 241 RAW⁵/ 362 JPEG⁶ images**
- **Silent⁷, Vibration-free shooting at speeds up to 1/32,000 sec⁸**
- **693 point focal plane phase detection AF points with 60 AF/AE tracking calculations per second**
- **Extensive professional features including Ethernet port for file transfer, Dual SD card slots and extended battery life**
- **5-axis in-body image stabilisation with a 5.0 step⁹ shutter speed advantage**

Hong Kong, May 5, 2017 – Sony today introduced its new revolutionary full-frame digital camera, the α 9 (model ILCE-9). The most technologically advanced, innovative digital camera

1 As of 19 April, 2017

2 Approximate effective megapixels

3 Electronic shutter mode. At apertures smaller than F11 (F-numbers higher than F11), focus will not track the subject and focus points will be fixed from the first frame. Display updating will be slower at slow shutter speeds.

4 “Hi” continuous shooting mode. The maximum frame rate will depend on the shooting mode and lens used. Visit Sony's support web page for lens compatibility information.

5 “Hi” continuous shooting mode, compressed RAW, UHS-II memory card. Sony tests.

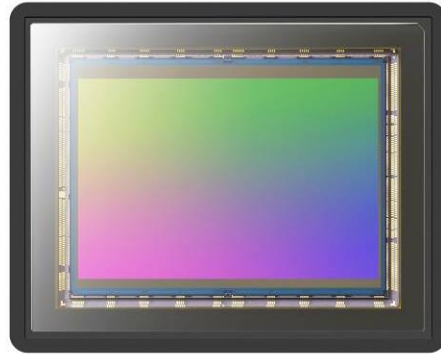
6 “Hi” continuous shooting mode, UHS-II memory card. Sony tests.

7 Silent shooting is possible when Shutter Type is set to “Electronic” and Audio signals is set to “Off.”

8 1/32000 shutter speed is available only in the S and M modes. The highest shutter speed in all other modes is 1/16000.

9 CIPA standards. Pitch/yaw stabilisation only. Planar T* FE 50mm F1.4 ZA lens. Long exposure NR off.

that Sony has ever created, the new **α9** offers a level of imaging performance that is simply unmatched by any camera ever created – mirrorless, SLR or otherwise.



Exmor RS™ CMOS sensor

The new camera offers many impressive capabilities that are simply not possible with a modern digital SLR camera including high-speed, blackout-free continuous shooting³ at up to 20fps⁴, 60 AF/AE tracking calculations per second,¹⁰ a maximum shutter speed of up to 1/32,000 second⁸ and much more. These are made possible thanks to its 35mm full-frame stacked Exmor RS™ CMOS sensor - the world's first of its kind – which enables data speed processing at up to 20x faster than previous Sony full-frame mirrorless cameras¹¹. This unique sensor is paired with a brand new, upgraded BIONZ X processing engine and front-end LSI that maximises overall performance.

This industry-leading speed and innovative silent shooting⁷ is combined with a focusing system that features an incredible 693 phase detection AF points. Covering approximately 93% of the frame, the focusing system ensures that even the fastest moving subjects are reliably captured and tracked across the frame.

¹⁰ At shutter speeds of 1/125 sec or higher, smooth and blackout-free live view images are shown in EVF

¹¹ Compared to the front-illuminated CMOS image sensor in the *α7 II*.



Dual SD media card slots

The new **α9** also features a vibration free, fully electronic, completely silent anti-distortion shutter⁷ with absolutely no mechanical mirror or shutter noise, making it an extremely powerful photographic tool for any shooting situation that demands quiet operation. To ensure maximum usability and reliability, the camera features a new Z battery with approximately 2.2x the capacity of W batteries, as well as dual SD media card slots, including one that supports UHS-II cards. An Ethernet port (wired LAN terminal) is available as well, and there is a wide variety of new settings, controls and customisability options that are essential for working professionals.

A New Standard of Speed and Focusing Accuracy

Critical to the record-breaking speed of the new **α9** is the combination of the new stacked 24.2 MP² Exmor RS image sensor, new BIONZ X processor and front end LSI.

The immense processing power from these new components allows for faster AF/AE calculation while also reducing EVF display latency. The processor and front end LSI are also responsible for the larger continuous shooting buffer, enabling photographers to shoot at a blazing 20 fps⁴ with continuous AF/AE tracking for up to 362 JPEG⁶ or 241 RAW⁵ images.



The camera's innovative AF system tracks complex, erratic motion with higher accuracy than ever before, with the ability to calculate AF/AE at up to 60 times per second¹⁰, regardless of shutter release and frame capture. Furthermore, when the shutter is released while shooting stills, the electronic viewfinder functions with absolutely no blackout¹², giving the user a seamless live view of their subject at all times. This feature truly combines all of the benefits of an electronic viewfinder with the immediacy and "in the moment" advantages that not even the finest optical viewfinders can match, and is available in all still image modes¹³ including high speed 20 fps⁴ continuous shooting.

With 693 focal plane phase detection AF points covering approximately 93% of the frame, the camera ensures improved precision and unfailing focus in scenes where focus might otherwise be difficult to achieve. The Fast Hybrid AF system – pairing the speed and excellent tracking performance of phase detection AF with the precision of contrast AF – achieves approximately 25% faster performance when compared with α 7R II, ensuring all fast-moving subjects are captured.

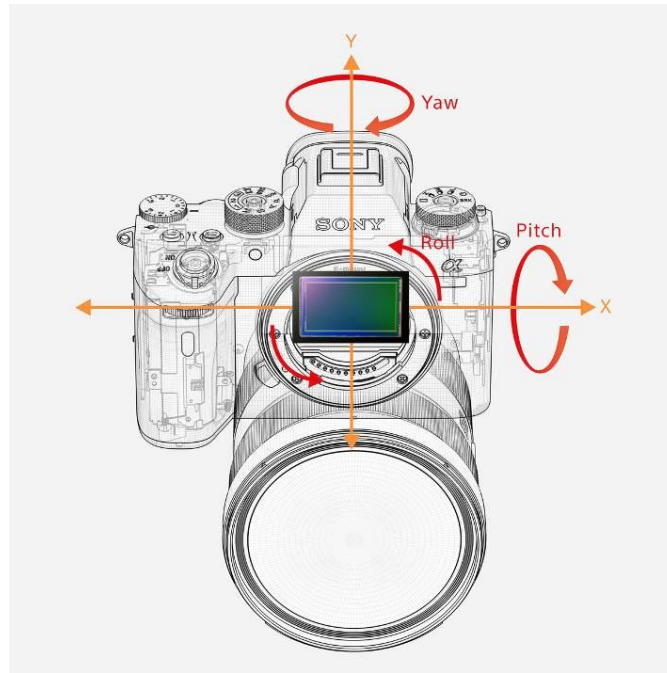
Professional Capabilities in a Compact Body

Sony's new full-frame camera is equipped with a variety of enhanced capabilities that give it a true professional operational style. The α 9 features an all-new, high-resolution, high-luminance Quad-VGA OLED Tru-Finder with approximately 3,686k dots for extremely accurate, true-to-life detail reproduction. The new Tru-Finder, which is the highest resolution viewfinder Sony has ever incorporated in an α camera, features an optical design that includes a double-sided aspherical element, helping it to achieve 0.78x magnification and a level of corner to corner sharpness that is simply outstanding. The EVF also utilises a ZEISS[®] T* Coating to greatly reduce reflections, and has a fluorine coating on the outer lens that repels dirt.

This all adds up to a luminance that is 2x higher than the XGA OLED Tru-Finder from the α 7R II, creating a viewfinder image with a brightness level that is nearly identical to the actual scene being framed, ensuring the most natural shooting experience. The frame rate of the Tru-Finder is even customisable, with options to set it for 60 fps or 120 fps¹³ to best match the action.

12 Display updating will be slower at slow shutter speeds.

13 When the auto or electronic shutter mode is selected the viewfinder frame rate is fixed at 60 fps during continuous shooting.



5-axis image stabilisation system

The **α9** is equipped with an innovative 5-axis image stabilisation system that provides a shutter speed advantage of 5.0 steps⁹, ensuring the full power of the new sensor can be realised, even in challenging lighting. With a simple half press of the shutter button, the effect of the image stabilisation can be monitored in the viewfinder or on the LCD screen, allowing framing and focus to be accurately checked and continually monitored.

The **α9** also offers an Ethernet port (wired LAN terminal), allowing convenient transfer of still image files to a specified FTP server at high speeds, making it an ideal choice for studio photography, high-profile news and sporting events and more. In addition, there is a sync terminal, enabling external flash units and cables to be connected directly for convenient flash sync.

New Features for Fast Operation

Sony's new **α9** has several new and updated focus functions that support faster, easier focusing in a variety of situations. The camera features a multi-selector joystick on the back of the camera, allowing shooters to easily shift focus within the frame by pressing the multi-selector in any direction up, down, left or right when shooting in Zone, Flexible Spot or Expanded Flexible Spot focus area modes. The new model also offers touch focusing on the rear LCD screen for easy selection of, and shifting focus towards a desired focus point or subject.

New for Sony E-mount cameras, the **α9** includes the addition of separate drive mode and focus mode dials, plus a new “AF ON” button that can be pressed to activate autofocus directly when shooting still images or movies.



α9 with SEL100400GM

Additional new capabilities include the “AF Area Registration”, which allows frequently used focus areas to be memorised and recalled via custom button assignments. There is also the ability to assign specific settings (exposure, shutter speed, drive mode, etc) to a custom button to be instantly recalled when needed. The camera can memorise and automatically recall the last focus point used in a vertical or horizontal orientation, instantly switching back to it when that specific orientation is used again. For enhanced customisation, a “My Menu” feature is available, allowing up to 30 menu items to be registered in a custom menu for instant recall when needed.

Double Battery Life, Double Memory

The innovative **α9** camera features an all-new Sony battery (model NP-FZ100) with 2.2x the capacity of previous Sony full-frame models, allowing for much longer shooting performance. Based on extensive customer feedback, the new camera offers two separate media card slots, including one for UHS-II media. The same data can simultaneously be recorded to both cards, or the user can choose to separate RAW / JPEG or still images / movies. Movies can also simultaneously be recorded to two cards for backup and more efficient data management.

High Sensitivity and Wide Dynamic Range

The unique design of the **α9** image sensor represents the pinnacle of Sony device technology. The 24.2 MP² full-frame stacked CMOS sensor is back-illuminated, allowing it to capture maximum light and produce outstanding, true-to-life image quality. The sensor also enables the

diverse ISO range of 100 – 51200, expandable to 50 – 204800¹⁴, ensuring optimum image quality with minimum noise at all settings.

The enhanced BIONZ X processor plays a large part in image quality as well, as it helps to minimise noise in the higher sensitivity range while also reducing the need to limit ISO sensitivity in situations where the highest quality image is required.

The new **α9** also supports uncompressed 14-bit RAW, ensuring users can get the most out of the wide dynamic range of the sensor.

4K Video Capture

The new **α9** is a very capable video camera as it offers 4K (3840x2160p) video recording across the full width of the full-frame image sensor¹⁵. When shooting in this format, the camera uses full pixel readout without pixel binning to collect 6K of information, oversampling it to produce high quality 4K footage with exceptional detail and depth. Recording is also available in the popular Super 35mm size.

Additionally, the camera can record Full HD at 120 fps at up to 100 Mbps, which allows footage to be reviewed and eventually edited into 4x or 5x slow motion video files in Full HD resolution with AF tracking.



VG-C3EM Vertical Grip on the α9 which allows USB battery-charging via the camera body

14 Still images, mechanical shutter: ISO 100 - 51200 expandable to ISO 50 – 204800. Still images, electronic shutter: ISO 100 - 25600 expandable to ISO 50 - 25600. Movie recording: ISO 100 - 51200 expandable to ISO 100 - 102400.

15 Class 10 or higher SDHC/SDXC memory card required for XAVC S format movie recording. UHS Speed Class U3 required for 100Mbps or higher recording

New Accessories

Sony has also released a variety of new optional accessories to compliment the new **α9**, including:

- **NP-FZ100 Rechargeable Battery:** High-capacity battery with approximately 2.2x the capacity of the NP-FW50 W-series battery. Supports InfoLITHIUM[®] technology, which makes it possible to view the remaining battery power as both a percentage display and five step icon on the camera's LCD screen.
- **VG-C3EM Vertical Grip:** Provides same operation, handling and design as **α9**, doubles battery life and allows USB battery-charging via the camera body.
- **NPA-MQZ1K Multi-Battery Adaptor Kit:** External multi-battery adaptor kit capable of functioning as an external power supply for four Z series batteries and as a quick charger. Kit comes with two packs of NP-FZ100 rechargeable batteries.
- **GP-X1EM Grip Extension:** Extending the length of the hand grip on camera body. Enables more solid hold on camera.
- **FDA-EP18 Eyepiece Cup:** Eye piece cup with locking mechanism
- **BC-QZ1 Battery Charger:** Quick-charging battery charger. Charges one new Z series battery in approximately 2.5 hours.
- **PCK-LG1 Screen Protect Glass Sheet:** Hard, shatterproof glass screen protector with anti-stain coating to prevent fingerprints. Compatible with touch operation and tilting LCD screen.

Pricing and Availability

From May 10 to May 21, 2017, the **α9** camera from Sony is available for pre-order at all Sony Stores, Sony Store online (www.sony.com.hk/store) and Sony sales hotline at (852) 2345-2966 as well as authorized dealers. It will be launched from end of May 2017 at HK\$35,990 (Body). Customers will enjoy the following special offers during the pre-order period:

Model/Lens Kits	Sony Store Prices	Pre-order offers
α9 interchangeable lens camera (Body)	HK\$ 35,990	1. Sony Rechargeable Battery Pack NP-FZ100 (valued at HK\$550) 2. G Series UHS-II 32GB SD card SF-G32 (valued at HK\$369)
α9 interchangeable lens camera and standard zoom lens package (With SEL2470GM)	HK\$49,990	1. Sony Rechargeable Battery Pack NP-FZ100 (valued at HK\$550) 2. G Series UHS-II 64GB SD Card SF-G64 (valued at H\$ 689)
α9 interchangeable lens camera and tele zoom lens package (With SEL70200GM)	HK\$53,990	
VG-C3EM vertical grip	HK\$2,690	HK\$2,190

A variety of exclusive stories and exciting new content shot with the new **α9** camera and other Sony *α* products can be found [here](#), a site built to inspire fans and customers of the Sony *α* brand. The new content will also be posted directly at the [Sony Photo Gallery](#) and the [Sony Camera Channel](#) on YouTube.

For customer enquiries, please contact Sony hotline service at (852) 2345-2966.

About Hong Kong Marketing Company

Hong Kong Marketing Company (HKMC), a division of Sony Corporation of Hong Kong Limited, provides sales, marketing and after sales services for Sony's consumer electronics products as well as broadcast and professional products in Hong Kong and Macau. For more information on Sony's products and services, please visit our website at <http://www.sony.com.hk>.

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Product specifications of Sony full-frame interchangeable-lens digital camera α 9:

Model	α9
General	
Camera type	Interchangeable-lens digital camera
Lens mount	E-mount
Image sensor	
Type	35mm full frame (35.6 x 23.8mm), Exmor RS CMOS sensor
Number of pixels (effective)	Approx. 24.2 megapixels
Number of pixels (total)	Approx. 28.3 megapixels
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 (pixels)	<p>3:2 aspect ratio 35mm full frame L: 6000 x 4000 (24M), M: 3936 x 2624 (10M), S: 3008 x 2000 (6.0M) APS-C L: 3936 x 2624 (10M), M: 3008 x 2000 (6.0M), S: 1968 x 1312 (2.6M)</p> <p>16:9 aspect ratio 35mm full frame L: 6000 x 3376 (20M), M: 3936 x 2216 (8.7M), S: 3008 x 1688 (5.1M) APS-C L: 3936 x 2216 (8.7M), M: 3008 x 1688 (5.1M), S: 1968 x 1112 (2.2M)</p>
Image quality modes	RAW, RAW & JPEG, JPEG Extra fine , JPEG Fine, JPEG Standard
RAW output	14 bit
Uncompressed RAW	Yes
Picture Effect	8 modes : Posterization (Color, B/W), Pop Color, Retro Photo, Partial Color (R,G,B,Y), High Contrast Monochrome, Toy Camera Soft High-key, Rich-tone Monochrome
Creative Style	Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn Leaves, Black & White, Sepia, (Contrast -3 to +3 steps, Saturation -3 to +3 steps, Sharpness -3 to +3 steps) (Style Box 1-6 also provided)
Dynamic range functions	Off, Dynamic Range Optimizer (Auto/Level (1-5)), Auto High Dynamic Range: Auto Exposure Difference, Exposure Difference Level (1.0-6.0 EV, 1.0 EV step)
Color space	sRGB standard(with sYCC gamut), Adobe RGB standard compatible with TRILUMINOS™ Color
Recording system (movie)	
Recording format	XAVC S/ AVCHD format Ver 2.0 compliant/ MP4
Video compression	XAVC S:MPEG-4 AVC/H.264, AVCHD: MPEG-4 AVC/H.264, MP4: MPEG-4 AVC/H.264

Audio recording format	XAVC S:LPCM, 2ch AVCHD: Dolby Digital (AC-3), 2ch, Dolby Digital Stereo Creator MP4: MPEG-4 AAC-LC, 2ch
Image size (pixels)	XAVC S 4K: 3840 x 2160 (30p/100Mbps, 30p/60Mbps, 24p/100Mbps, 24p/60Mbps, 25p/100Mbps, 25p/60Mbps) XAVC S HD: 1920 x 1080 (120p/100 Mbps, 100p/100 Mbps, 120p/60 Mbps, 100p/60 Mbps, 60p/50Mbps, 50p/50Mbps, 30p/50Mbps, 25p/50Mbps, 24p/50Mbps) AVCHD: 1920 x 1080 (60p/28Mbps/PS, 50p/28Mbps/PS, 60i/24Mbps/FX, 50i/24Mbps/FX, 60i/17Mbps/FH, 50i/17Mbps/FH, 24p/24Mbps/FX, 25p/24Mbps/FX, 24p/17Mbps/FH, 25p/17Mbps/FH) MP4: 1920 x 1080 (60p/28Mbps, 50p/28Mbps, 30p/16Mbps, 25p/16Mbps), 1280 x 720 (30p/6Mbps, 25p/6Mbps)
Movie functions	Audio Level Display, Audio Rec Level, Auto Slow Shutter, Rec Control, Dual Video Rec, PAL/NTSC Selector, TC/UB
Color space	sRGB standard (with sYCC gamut) and Adobe RGB standard compatible with TRILUMINOS Color
Media	
Media	<i>Memory Stick PRO Duo, Memory Stick PRO-HG Duo</i> , Memory Stick Micro (M2), 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
Slot	SLOT1:Slot for SD(UHS-I/II compliant) memory card SLOT2:Multi slot for Memory Stick Duo/SD(UHS-I compliant) memory card
Noise reduction	
Noise reduction	Long exposure NR: On/Off, available at shutter speeds longer than 1 sec., High ISO NR: Normal/Low/ Off selectable
White balance	
Modes	Auto WB / Daylight / Shade / Cloudy / Incandescent / Fluorescent (Warm White / Cool White / Day White / Daylight) / Flash / Color Temperature (2500 to 9900K) & Color Filter / Custom / Underwater
AWB micro adjustment	Yes
Bracketing	3 frames, H/L selectable
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: 299 points (phase-detection AF), with APS-C lens: 221 points (phase-detection AF) / 25 points (contrast-detection AF)
Sensitivity range	EV -3 to EV 20 (at ISO 100 equivalent with F2.0 lens attached)
AF modes	Single-shot AF (AF-S), Continuous AF (AF-C), Direct Manual Focus (DMF), Manual Focus
Focus area	Wide (693 points (phase-detection AF), 25 points(contrast-detection AF)) / Zone / Center / Flexible Spot (S/M/L) / Expanded Flexible Spot /Lock-on AF (Wide / Zone / Center / Flexible Spot (S/M/L)/ Expanded Flexible Spot)
Other features	Lock-on AF, Eye AF, Focus lock, Predictive control Eye-startAF and

	AF micro adjustment (both only available with optional LA-EA2 or LA-EA4 attached), AF illuminator (built-in, LED type, range: Approx. 0.30-3m)
Exposure control	
Metering type	1200-zone evaluative metering
Metering sensor	<i>Exmor RS CMOS sensor</i>
Metering sensitivity	EV -3 to EV 20 (at ISO 100 equivalent with F2.0 lens attached)
Metering modes	Multi-segment, Center-weighted, Spot, Spot Standard/Large, Entire Screen Avg., Highlight
Exposure modes	AUTO (iAUTO, Superior 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))
Exposure compensation	+/-5.0 EV (in 1/3 EV or 1/2 EV steps), with exposure compensation dial: +/-3.0 EV (in 1/3 EV steps)
AE Bracketing	Bracket: Single/Bracket: Cont., 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	Available with AE lock button. Locked when shutter button is pressed halfway.
ISO sensitivity (Recommended Exposure Index)	Still images: ISO 100-51200 (expandable to ISO 50–204800 for shooting still images), AUTO (ISO 100-6400, selectable lower limit and upper limit) Movies: ISO 100-51200 equivalent(ISO numbers up to ISO 102400, AUTO (ISO 100-6400 equivalent, selectable lower limit and upper limit)
Viewfinder	
Type	Quad-VGA OLED, 1.3cm (0.5 type) electronic viewfinder (color)
Number of dots (total)	3 686 400 dots
Brightness control	Auto/Manual (5 steps between -2 and +2)
Color temperature control	Manual (5 steps)
Field coverage	100%
Magnification	Approx. 0.78x (with 50mm lens at infinity, -1m ⁻¹)
Diopter adjustment	-4.0 to +3.0m ⁻¹
Eye point	Approx. 23mm from the eyepiece lens, 18.5mm from the eyepiece frame at -1m ⁻¹ (CIPA standard)
Display	Graphic Display / Display All Info. / No Disp. Info. / Histogram / Digital Level Gauge
Real-time image-adjustment display	On/Off
LCD screen	
Type	7.5cm (3.0 type) TFT drive
Total number of dots	1,440,000 dots
Brightness control	Manual (5 steps between -2 and +2), Sunny Weather mode
Adjustable angle	Up approx. 107 degrees, down approx. 41 degrees
Display selector (Finder/LCD)	Auto/Manual
Display	Graphic Display / Display All Info. / No Disp. Info. / Histogram /

	Digital Level Gauge
Real-time image-adjustment display	On/Off
Zebra	Yes (selectable level + range or lower limit as custom setting)
Peaking MF	Yes (Level setting: High/Mid/Low/Off, Color: White/Red/Yellow)
Other features	
Face Detection	On / On (Regist. Faces) / Off, Face registration, Face selection (Max. number of detectable faces: 8)
Auto Object Framing	Yes
Clear Image Zoom	Still / Movie: Approx. 2x
Digital zoom	<p>Smart zoom (still images): 35mm full frame: M: Approx. 1.5x, S: Approx. 2.0x APS-C: M: Approx. 1.3x, S: Approx. 2.0x</p> <p>Digital zoom (still images): 35mm full frame: L: Approx. 4x, M: Approx. 6.1x, S: Approx. 8.0x APS-C: L: Approx. 4x, M: Approx. 5.2x, S: Approx. 8.0x</p> <p>Digital zoom (movies): 35mm full frame: Approx. 4x APS-C: Approx. 4x</p>
Lens compensation	Peripheral shading, chromatic aberration, distortion
Shutter	
Type	Electronically controlled, vertical-traverse, focal-plane type
Shutter speed	<p>Still Images (Single Shot) :</p> <p>Mechanical Shutter: 1/8000 to 30 sec, Bulb, AUTO: 1/32000 to 30 sec, Bulb, Electronic Shutter: 1/32000 to 30 sec</p> <p>Still Images (Continuous Shot) :</p> <p>Mechanical Shutter: 1/8000 to 30 sec, Bulb, AUTO: 1/32000 to 1/8 sec, Bulb, Electronic Shutter: 1/32000 to 1/8 sec</p> <p>Movies: 1/8000 to 1/4 (1/3 step). PAL: Up to 1/50 in AUTO mode (up to 1/25 in Auto Slow Shutter mode)</p>
Flash sync. speed	1/250 sec
Electronic front curtain shutter	Yes, On/Off
Silent Shooting	Yes(Electronic Shutter)
SteadyShot INSIDE (image stabilization)	
Type	Image Sensor-Shift mechanism with 5-axis compensation (Compensation depends on lens specifications)

Compensation effect	5.0 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 (with optional external 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, Autoflash, Fill-flash, Slow Sync., Rear Sync. Red-eye reduction (On/Off selectable), Hi-speed sync ^{*1} , Wireless ^{*1}
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
Drive	
Drive modes	Single shooting, Continuous shooting, Speed Priority Continuous Shooting, Self-timer, Self-timer (Cont.), Bracketing (Cont., Single, White Balance, DRO)
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/10 sec. delay)
Speed (approx., max.) ^{*2}	AUTO/Electronic Shutter: Continuous shooting: Hi: max. 20 fps, Mid: max. 10fps, Lo: max. 5 fps ^{*3 *4 *5} Mechanical Shutter: Continuous shooting: Hi: max. 5 fps, Mid: max. 5fps, Lo: max. 2.5 fps
No. of recordable frames ^{*2} (approx.)	JPEG Extra fine L: 362 frames JPEG Fine L: 362 frames JPEG Standard L: 362 frames RAW: 241 frames RAW&JPG: 222 frames RAW(Uncompressed): 128 frames RAW(Uncompressed)&JPG: 118 frames
Playback	
Modes	Single (with or without shooting information, Y RGB histogram & highlight/shadow warning), 9/25-frame index view, Enlarged display mode (Maximum magnification L: 15.0x, M: 9.84x, S: 7.52x), Auto Review (10/5/2 sec, off), Image orientation (Auto/Manual/Off selectable), Slideshow, Panorama scrolling, Folder selection (Still / Date / MP4 / AVCHD / XAVC S HD / XAVC S 4K), Forward/Rewind (Movie), Delete, Protect
Interface	
PC interface	Mass-storage, MTP, PC remote
Multi / Micro USB Terminal ^{*6}	Yes
Wireless LAN (built-in)	Wi-Fi Compatible, IEEE802.11b/g/n (2.4GHz band) ^{*7} Playback of still images and movies on smartphones, PCs and TVs
NFC TM	Yes(NFC Forum Type 3 Tag compatible. One-touch remote, One-touch sharing)

HD output	HDMI micro connector (Type-D), BRAVIA Sync (link menu), PhotoTV HD, 4K movie output, 4K still image playback
Multi Interface Shoe* ⁸	Yes
Others	Microphone terminal (3.5mm Stereo minijack), Headphone terminal (3.5mm Stereo minijack), Vertical Grip Connector
Audio	
Microphone	Built-in stereo microphone or ECM-XYST1M / XLR-K2M/XLR-K1M (sold separately)
Speaker	Built-in monaural
Print	
Compatible standards	Exif Print, Print Image Matching III, DPOF setting
Custom function	
Type	Custom key settings, Programmable setting
Power	
Battery	Rechargeable Battery NP-FZ100
Still images	Approx. 480 shots (Viewfinder) / approx. 650 shots (LCD monitor) (CIPA standard)
Movies	Actual: Approx. 105 min (Viewfinder) / Approx. 120 min (LCD monitor) (CIPA standard) Continuous: Approx. 185 min (Viewfinder) / Approx. 195 min (LCD monitor) (CIPA standard)
External power	AC Adaptor AC-UUE12
Weight	
With battery and <i>Memory Stick PRO Duo</i>	Approx. 673g
Body only	Approx. 588g
Dimensions	
W x H x D (excluding protrusions)	Approx. 126.9 x 95.6 x 63.0mm (Approx. 5 x 3 7/8 x 2 1/2 inches)
Operating temperature	
Range	32-104° F/0-40° C

Features and specifications are subject to change without notice.

Remarks

*1 With compatible external flash

*2 Varies according to shooting conditions or memory card used

*3 When A-mount lens is used via mount adapter, the speed of continuous shooting varies depending on the attached lens.

*4 When the Focus Mode is set to AF-C (Continuous AF), the speed of continuous shooting varies depending on the attached lens. See Sony support page for compatibility details.

*5 During uncompressed RAW shooting, 12 images are shot per second at maximum.

*6 Supports Micro USB compatible device.

*7 (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)

*8 Sony accessories for the Accessory Shoe can be attached.