

# SONY

## Press Release

**Sony Announces New Flagship  $\alpha$ 6500 Camera with Exceptional All-Around Performance**  
*New APS-C Sensor Camera Combines World's Fastest AF speed<sup>1</sup> and Highest Number of AF points<sup>2</sup> with In-camera 5-axis image stabilisation, Touchscreen AF Operation, 24.2MP Exmor® CMOS sensor and more*



**Hong Kong, October 21, 2016** – Sony today introduced its new flagship APS-C sensor camera, the  **$\alpha$ 6500** (model ILCE-6500). As the latest addition to Sony's line-up of award winning mirrorless cameras, the new  **$\alpha$ 6500** shares the same unrivaled 4D FOCUS™ system as the  $\alpha$ 6300 camera, which can lock focus on a subject in as little as 0.05 seconds, the world's fastest<sup>1</sup> AF acquisition time.

Similar to the  $\alpha$ 6300, the new  **$\alpha$ 6500** features 425 phase detection AF points that are densely positioned over nearly the entire image area – the world's highest<sup>2</sup> number of AF points on any interchangeable lens camera. The new model can shoot images at up to 11 frames per second with continuous autofocus and exposure tracking, and up to 8 frames per second in a live-view shooting mode that makes it easy to track fast moving subjects. At the same time, it combines all of the benefits of an electronic viewfinder with the immediacy of an optical viewfinder.

The camera can shoot at these high speeds for up to 307 frames<sup>3</sup> thanks to its expanded buffer, which, along with the fast response speeds described above, are all achieved with the support of a new front-end LSI chip that has been added to the camera. This new front-end LSI also serves to enhance both still and video image quality.

Additionally, the new  **$\alpha$ 6500** features Sony's acclaimed in-camera 5-axis optical image stabilisation, making it the first Sony APS-C sensor camera to offer all of the benefits of

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<sup>1</sup> Among interchangeable-lens digital cameras equipped with an APS-C image sensor as of October 2016, based on Sony research, measured using CIPA-compliant guidelines, and internal measurement method with an E PZ 16-50mm F3.5-5.6 OSS lens mounted, Pre-AF off and viewfinder in use.

<sup>2</sup> Among digital cameras as of October 2016, based on Sony research.

<sup>3</sup> With "Hi" continuous shooting mode and "Fine" image quality.

advanced in-body stabilisation, including a shutter speed advantage of approximately 5 steps<sup>4</sup>. It also offers touchscreen AF capabilities for focus point selection and adjustment.

### **Unmatched AF Capability**

Sony's new **α6500** camera utilises the same 4D FOCUS system as the α6300 – a Fast Hybrid AF system that combines high-speed phase detection AF with extremely accurate contrast AF, allowing it to capture and lock on to moving subjects in as little as 0.05 seconds<sup>1</sup>. It also features 425 phase detection AF points and High-density Tracking AF Technology, which significantly improves subject detection and tracking performance.

Thanks to faster internal processing capabilities enabled by the front-end LSI, the maximum buffer for high-speed continuous shooting for the **α6500** is an impressive 307 frames<sup>3</sup>, greatly increasing the chances to catch that decisive moment.

The camera's 425 phase detection AF points, focusing tracking and accuracy are also available when using non-native A-mount lenses<sup>5</sup> with Sony's LA-EA3 mount adaptor. Additionally, it includes silent shooting, Eye AF in AF-C mode, AF in focus magnifier modes, Expand Flexible Spot AF and more.

### **5-axis Image Stabilisation Provides 5 Steps Shutter Speed Advantage**



One of the most exciting developments in the new **α6500** is the implementation of 5-axis image stabilisation for the first time in a Sony APS-C sensor camera. Through a total revision of the internal design of the camera, this newly developed stabilisation system fits entirely within a body that is nearly the same size as the α6300.<sup>6</sup> This innovative 5-axis system provides a shutter speed advantage of 5 steps<sup>4</sup>, ensuring that the full resolving power of the sensor can be realised, even in challenging lighting conditions.

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<sup>4</sup> Based on CIPA standard. Pitch/yaw shake only. With Sonnar T\* FE 55mm F1.8 ZA lens mounted. Long exposure NR off.

<sup>5</sup> A-mount lenses with SSM or SAM only. Users can choose phase-detection AF or contrast-detection AF in AF System menu. "Phase-detection AF" is not available during movie shooting. AF-C in AF System menu is available only with "Contrast-detection AF" selected, but no motion tracking is performed during continuous shooting (Hi+, Hi, Mid).

<sup>6</sup> Excluding grip, frontal-view size and main body thickness are the same as for the α6300.

The shake compensation provided by the system works with a variety of lenses, including E-mount lenses without OSS (Optical SteadyShot™) stabilisation and A-mount lenses<sup>7</sup> when used with a compatible mount adapter. When an E-mount lens with OSS is mounted, pitch and yaw are compensated in the lens and horizontal, vertical and roll axes are also compensated in the camera body, resulting in optimal 5-axis stabilisation.<sup>7</sup>

Furthermore, 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. This is available even when a lens without built-in shake compensation is attached.

### **New Touch Screen Focusing**

The new **α6500** comes equipped with touch screen functionality, allowing users to lock focus on a subject simply by touching it on the screen. This is a powerful complement to its advanced AF system and video shooting capabilities.



A first for Sony cameras, the **α6500** features touchpad functionality. When utilising the viewfinder for framing and shooting, the LCD screen can be used as a touch pad. Simply drag a finger across the screen to shift the focus point from one area to another.

### **Powerful 24.2 MP<sup>8</sup> Exmor CMOS Sensor, BIONZ X<sup>®</sup> Processor and New Front-End LSI**

The new **α6500** features an APS-C sized 24.2 MP<sup>8</sup> Exmor CMOS sensor that works together with a BIONZ X<sup>®</sup> image processor and the newly developed front-end LSI to maximise processing power and achieve an impressive sensitivity range of ISO 100-51200.<sup>9</sup>

The image sensor employs a thin wiring layer and large photodiode substrate that maximises light collection efficiency, as well as copper wiring in its structure for outstanding read-out speed. The BIONZ X<sup>®</sup> image processor and newly developed front-end LSI ensure superior image and video quality with low noise even when using higher ISO settings, in particular those at high sensitivity values where other cameras typically struggle. The LSI is also responsible for the expanded buffer depth for continuous shooting.

<sup>7</sup> All 5-axis stabilisation is performed in-camera when SEL90M28G is mounted.

<sup>8</sup> Approximate effective MP.

<sup>9</sup> Standard ISO range: 100-25600 for stills and movies. Expandable up to ISO 51200 for stills only.

## Professional Video Capabilities

The new **α6500** becomes the latest Sony interchangeable lens camera to offer internal 4K movie recording, as it can shoot 4K (3840 x 2160p) video in the popular Super 35mm format on the full width of the image sensor. When shooting in this format, the camera uses full pixel readout without pixel binning to collect 6K of information – approximately  $2.4 \times 10^{10}$  (20MP equivalent) as many pixels as 4K UHD, and then oversamples the information to produce high quality 4K footage with exceptional detail and depth.

The **α6500** also focuses exceptionally fast during movie shooting thanks to its Fast Hybrid AF system, which enables touch focusing for professionally smooth focus shifts, whilst also offering adjustable AF transition speed and AF tracking sensitivity. The camera supports the XAVC S codec<sup>11</sup> during video shooting, which records at a high bit rate of up to 100 Mbps during 4K recording and 50 Mbps during Full HD shooting – ensuring maximum detail and clarity in both video formats.

Other professional calibre video features include the ability to record Full HD at 100fps at up to 100 Mbps. This allows footage to be reviewed and eventually edited into 4x slow motion video files in Full HD (25p) resolution with AF tracking.

New on the **α6500** is the incorporation of a ‘Slow and Quick’ (S&Q) mode that supports both slow motion and quick motion. In this mode, frame rates from 1 fps to 100fps can be selected in 8 steps for up to 50x quick motion and 4x slow motion recording<sup>12</sup>. Footage shot in this mode can be previewed after shooting without the need for a PC-based post processing.

The camera also offers S-Log gamma recording<sup>13</sup> for wide dynamic range shooting – approximately 14-stop latitude in S-Log3 gamma setting – and supports S-Gamut for a wider colour space. Both options allow for greater creativity for processing video post-production.

Furthermore, shooters can now select, extract and save still images from movie footage directly on the camera. Approximately 8MP images and 2MP images can be extracted from 4K modes and Full HD modes respectively.

## Enhanced Operability and Reliability

The new **α6500** has a refined design, maintaining the mobility of the α6000 series while adapting much of the usability of Sony’s acclaimed α7 II series. The new model features the same high contrast, high-resolution 2.4 million dot XGA OLED Tru-Finder™ as the α6300 that offers exceptional corner-to-corner visibility.

New hardware features on the **α6500** include a magnesium alloy body and a high-durability shutter with a tested life span of approximately 200,000 release cycles.<sup>14</sup> It also has several

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<sup>10</sup> In 25p recording.

<sup>11</sup> SDHC/SDXC memory card of Class 10 or higher is required for movie recording in XAVC S format. UHS-I (U3) SDHC/SDXC card is required for 100Mbps recording.

<sup>12</sup> Sound cannot be recorded. SDHC/SDXC memory card of Class 10 or higher is required.

<sup>13</sup> S-Log2 and S-Log3 are premised on processing pictures.

<sup>14</sup> With the electronic front curtain shutter, under internal test conditions of Sony.

design features that are borrowed from the  $\alpha$ 7 II series of full-frame cameras, including a robust lens mount, a recessed grip to improve handling, a larger release button, and ten total custom buttons including 'C1', 'C2' and 'C3'. The new  **$\alpha$ 6500** also has an improved operation feel for its mode and control dials and rear face buttons, as well as a softer eyepiece cup for more comfortable usage.

On the software front, there is a new overall user interface that allows for a much smoother process for searching and adjusting menu settings, as well two new metering modes – Highlight, where exposure metering is focused on the brightest area of the frame, and Entire Screen Avg, which maintains an average metering for the entire image.

The camera is Wi-Fi<sup>®</sup>, QR and NFC compatible. It is also fully compatible with Sony's PlayMemories Mobile™ applications<sup>15</sup> available for Android™ and iOS platforms along with Sony's growing range of PlayMemories Camera Apps™. The  **$\alpha$ 6500** further offers location data acquisition via a Bluetooth<sup>®16</sup> connection to a compatible mobile device and an updated menu structure to deliver a smoother navigational experience.



*Eyepiece cup (model FDA-EP17)*



*Genuine leather body case (model LCS-EBG)*

There is also a new genuine leather body case (model LCS-EBG) that will ship in November and a new eyepiece cup (model FDA-EP17) that will be launched at a later date.

### **Maximize Performance with G Master™ Lenses**



Sony also announced the launch of the flagship **G Master™** E-mount full frame lens 70-200mm constant F2.8 telephoto zoom. Covering the frequently used 70-200mm focal range, the new FE

<sup>15</sup> Use the latest version of PlayMemories Mobile™.

<sup>16</sup> Can be connected via Bluetooth<sup>®</sup> with smartphones featuring (as of the date of release): Android (Android 5.0 or later, Bluetooth 4.0 or later); iPhone/iPad (iPhone 4S or later/iPad 3<sup>rd</sup> generation or later).

70-200mm F2.8 GM OSS telephoto zoom lens (model **SEL70200GM**) offers extremely high rendering, AF performance and image stabilisation, making it a versatile choice for shooting wildlife, sports, weddings and a variety of other events and locations<sup>1</sup>.

The new flagship telephoto zoom model delivers extraordinary sharpness and clarity throughout the entirety of its zoom range thanks to its three advanced lens elements including XA, Super ED and ED glass components, as well as its Nano AR coating.



*1.4 Teleconverter SEL14TC*



*2x Tele-converter SEL20TC*

Additionally, two new compact 1.4x and 2x Tele-converters – **SEL14TC** and **SEL20TC** respectively – offer even greater reach while maintaining the overall streamlined design and feel of the 70-200mm lens<sup>17</sup>.

### **Pricing and Availability**

The new Sony **α6500** interchangeable lens camera will be available at HK\$10,990 (Body only; Sony Store's selling price) from December 2016.

The G Master™ FE 70-200mm F2.8 GM OSS telephoto zoom lens **SEL70200GM** will be launched from end of October at HK\$21,490. The tele-converters **SEL14TC** and **SEL20TC** will be available at HK\$4,490 respectively while the launch date will be announced at a later time.

The selling prices of the Eyepiece cup FDA-EP17 and Genuine leather body case LCS-EBG will be announced at a later time.

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> and [Sony HK Facebook](#).

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<sup>17</sup> SEL70200GM is the only compatible lens at the time of announcement.

**Product Specifications of Sony interchangeable lens camera α6500:**

<b>Model</b>	<b>α6500</b>
<b>General</b>	
Camera type	Interchangeable lens digital camera with built-in flash
Lens compatibility	Sony E-mount lenses
<b>Image sensor</b>	
Type	APS-C type (23.5 x 15.6mm), Exmor CMOS sensor
Number of pixels (effective)	Approx. 24.2 megapixels
Number of pixels (total)	Approx. 25.0 megapixels
Image sensor aspect ratio	3:2
Anti-dust system	Charge protection coating on optical filter and image sensor shift mechanism
<b>Recording system (still image)</b>	
Recording format	JPEG (DCF Ver. 2.0, Exif Ver. 2.3, MPF Baseline compliant), RAW (Sony ARW 2.3 format)
Image size (pixels)	3:2 aspect ratio L: 6000 x 4000 (24M), M: 4240 x 2832(12M), S: 3008 x 2000 (6.0M)
	16:9 aspect ratio L: 6000 x 3376(20M), M: 4240 x 2400(10M), S: 3008 x 1688(5.1M)
	Sweep Panorama Wide: horizontal 12416 x 1856 (23M), vertical 5536 x 2160 (12M), Standard: horizontal 8192 x 1856 (15M), vertical 3872 x 2160 (8.4M)
Image quality modes	RAW, RAW & JPEG, JPWF Extra Fine, JPEG Fine, JPEG Standard
Picture Effect	13 modes : Posterization (Color, B/W), Pop Color, Retro Photo, Partial Color (R,G,B,Y), High Contrast Mono, Toy Camera (Normal/Cool/Warm/Green/Magenta), Soft High-key, Soft Focus(High/Mid/Low), HDR Painting(High/Mid/Low), Rich-tone Mono, Miniature(Auto/Top/Middle(H),Bottom/Right/Middle(V)/Left), Watercolor, Illustration(High/Mid/ Low)
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)
Picture Profile	Yes (Off / PP1-PP9) Parameters: Black level, Gamma (Movie, Still, Cine1-4, ITU709, ITU709 [800%], S-Log2, S-Log3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset
Dynamic range functions	Off, Dynamic Range Optimizer (Auto/Level 1-5), Auto High Dynamic Range: Auto Exposure Difference, Exposure Difference Level (1-6 EV, 1 EV step)
Color space	sRGB standard(with sYCC gamut), Adobe RGB standard compatible with TRILUMINOSTM Color

<b>Recording system (movie)</b>	
Recording format	XAVC S/ AVCHD 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)	<p>XAVC S 4K:</p> <p>3840 x 2160(30p, 100M): Approx.100Mbps  3840 x 2160(25p, 100M): Approx.100Mbps  3840 x 2160(24p, 100M): Approx.100Mbps  3840 x 2160(30p, 60M): Approx.60Mbps  3840 x 2160(25p, 60M): Approx.60Mbps  3840 x 2160(24p, 60M): Approx.60Mbps</p> <p>XAVC S HD:</p> <p>1920 x 1080(120p, 100M): Approx.100Mbps  1920 x 1080(100p, 100M): Approx.100Mbps  1920 x 1080(120p, 60M): Approx.60Mbps  1920 x 1080(100p, 60M): Approx.60Mbps  1920 x 1080(60p, 50M): Approx.50Mbps  1920 x 1080(50p, 50M): Approx.50Mbps  1920 x 1080(30p, 50M): Approx.50Mbps  1920 x 1080(25p, 50M): Approx.50Mbps  1920 x 1080(24p, 50M): Approx.50Mbps</p> <p>AVCHD:</p> <p>1920 x 1080(60p, 28M, PS): Approx.28Mbps(Maximum bit-rate)  1920 x 1080(50p, 28M, PS): Approx.28Mbps(Maximum bit-rate)  1920 x 1080(60i, 24M, FX): Approx.24Mbps(Maximum bit-rate)  1920 x 1080(50i, 24M, FX): Approx.24Mbps(Maximum bit-rate)  1920 x 1080(60i, 17M, FH): Approx.17Mbps(Average bit-rate)  1920 x 1080(50i, 17M, FH): Approx.17Mbps(Average bit-rate)  1920 x 1080(24p, 24M, FX): Approx.24Mbps(Maximum bit-rate)  1920 x 1080(25p, 24M, FX): Approx.24Mbps(Maximum bit-rate)  1920 x 1080(24p, 17M, FH): Approx.17Mbps(Average bit-rate)  1920 x 1080(25p, 17M, FH): Approx.17Mbps(Average bit-rate)</p> <p>MP4:</p> <p>1920 x 1080(60p, 28M):Approx.28Mbps  1920 x 1080(50p, 28M): Approx.28Mbps  1920 x 1080(30p, 16M):Approx.16Mbps  1920 x 1080(25p, 16M):Approx.16Mbps  1280 x 720(30p, 6M): Approx.6Mbps  1280 x 720(25p, 6M): Approx.6Mbps</p>
Slow & Quick Motion (S&Q)	Image Size (frame rate): 1920x1080 (60p), 1920x1080 (30p), 1920x1080 (24p) Image frame rate: 1fps,2fps,4fps,8fps,15fps,30fps,60fps,120fps
Movie functions	Audio Level Display/ Audio Rec Level / PAL/NTSC Selector / Dual Video

	REC / TC/UB / AF Tracking Duration / AF Drive Speed / Auto Slow Shutter / REC Control / HDMI Info. Display(On/Off)
Color space	xvYCC standard (x.v.Color TM when connected via HDMI cable) compatible with TRILUMINOS™ Color
Location information Link from smartphone	Yes
<b>Media</b>	
Media	Memory Stick PRO Duo, Memory Stick PRO-HG Duo, Memory Stick Micro(M2), SD memory card, SDHC memory card(UHS-I compliant), SDXC memory card(UHS-I compliant), microSD memory card, microSDHC memory card, microSDXC memory card
<b>Noise reduction</b>	
Noise reduction	Long exposure NR: On/Off, available at shutter speeds longer than 1 sec., High ISO NR: Normal/Low/ Off selectable
Multi Frame NR	Auto/ISO 100 to 51200
<b>White Balance</b>	
Modes	Auto WB, Daylight, Shade, Cloudy, Incandescent, Fluorescent (Warm White / Cool White / Day White / Daylight), Flash, Underwater, Color Temp 2500 to 9900K / Color Filter (G7 to M7 15-step, A7 to B7 15-step), Custom AWB micro adjustment , Priority Set in AWB (Standard/ Ambience/ White) Bracketing: 3 frames, H/L selectable
<b>Focus system</b>	
Type	Fast Hybrid AF (phase-detection AF/contrast-detection AF)
Focus point	425 points (phase-detection AF)/ 169 points (contrast-detection AF)
Sensitivity range	EV -1 to EV 20 (at ISO 100 equivalent with F2.0 lens attached)
AF modes	AF-A (Automatic AF), Single-shot AF (AF-S), Continuous AF (AF-C), Direct Manual Focus (DMF), Manual Focus
Focus area	Wide (425 points (phase-detection AF), 169 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, Predictive control, Focus lock; Eye-start AF & AF micro adjustment (only with LA-EA2 or LA-EA4 attached(Sold separately)), AF illuminator (built-in, LED type, range: Approx. 0.30-3m), (with E PZ 16-50mm F3.5-5.6 OSS lens attached) Focus Type with LA-EA1 or LA-EA3 (Sold separately) (selectable(phase-detection, contrast-detection))
<b>Exposure control</b>	
Metering type	1200-zone evaluative metering
Metering sensor	Exmor CMOS sensor
Metering sensitivity	EV -2 to EV 20 (at ISO 100 equivalent with F2.0 lens attached)
Metering modes	Multi-segment, Center-weighted, 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), Scene Selection, Sweep Panorama, Movie / S&Q Motion (Programmed AE (P)) / Aperture priority

	(A) / Shutterspeed priority (S) / Manual (M) )
Scene Selection	Portrait, Landscape, Macro, Sports Action, Sunset, Night Scene, Hand-held Twilight, Night Portrait, Anti Motion Blur
Exposure compensation	+/-5.0 EV (in 1/3 EV or 1/2 EV steps)
AE 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. (Auto/On/Off selectable)
ISO sensitivity (Recommended Exposure Index)	Still images: ISO 100-25600 equivalent (ISO numbers up to ISO 51200 can be set as expanded ISO range) AUTO (ISO 100-6400, selectable lower limit and upper limit) Movies: ISO 100-25600 equivalent / AUTO (ISO 100-6400 equivalent, selectable lower limit and upper limit)
<b>Viewfinder</b>	
Type	1.0 cm (0.39 type) OLED electronic viewfinder (color)
Number of dots (total)	2,359,296 dots
Brightness control	Auto/Manual (5 steps between -2 and +2)
Color temperature control	Manual (5 steps)
Field coverage	100%
Magnification	Approx. 1.07x (35mm camera equivalent: Approx. 0.70x) with 50mm lens at infinity, $-1\text{m}^{-1}$ Diopter adjustment: $-4.0$ to $+3.0\text{m}^{-1}$ diopter
Eye point	Approx. 23mm from the eyepiece lens, 21.4mm from the eyepiece frame at $-1\text{m}^{-1}$ diopter (CIPA standard)
Display contents	Graphic Display, Display All Info, No Disp. Info, Digital Level Gauge, Histogram
<b>LCD Screen</b>	
Type	7.5cm (3.0 type) wide type TFT
Touch Panel	Yes
Total number of dots	921,600 dots
Brightness control	Manual (5 steps between -2 and +2), Sunny Weather mode
Adjustable angle	Up approx. 90 degrees, down approx. 45 degrees
WhiteMagic	Yes
Display	Graphic Display / Display All Info. / No Disp. Info. / Digital Level Gauge/ Histogram /for viewfinder mode
Real-time image-adjustment display	On/Off
Quick Navi	Yes
Focus Check	Focus Magnifier (5.9x, 11.7x)
Zebra	Yes(selectable level + range or lower limit as custom setting)
Peaking MF	Yes (Level setting: High/Mid/Low/Off, Color: White/Red/Yellow)
<b>Other features</b>	
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	Smart zoom (still images): M:Approx 1.4x, S:Approx 2x Digital zoom (still images): L:Approx 4x, M:Approx 5.7x, S:Approx 8x Digital zoom (movies): Approx 4x

PlayMemories Camera Apps	Yes
Lens compensation	Peripheral shading, chromatic aberration, distortion
<b>Shutter</b>	
Type	Electronically controlled, vertical-traverse, focal-plane type
Shutter speed	Still Images: 1/4000 to 30 sec., Bulb Movies: 1/4000 to 1/4 (1/3 step). Up to 1/60 in AUTO mode. up to 1/30 in Auto Slow Shutter mode
Flash sync. Speed	1/160 sec
Electronic front curtain shutter/ Silent Shooting	Yes, On/Off
<b>SteadyShot INSIDE (image stabilization)</b>	
Type	Image Sensor-Shift mechanism with 5-axis compensation (Compensation depends on lens specifications)
Compensation effect	5.0 steps (based on CIPA standard. Pitch/yaw shake only. With Sonnar T* FE 55mm F1.8 ZA lens mounted. Long exposure NR off.)
<b>Flash(with optional external flash)</b>	
Type	Built-in flash/ GN:6 (in meters at ISO 100)
Flash coverage	16mm (focal-length printed on the lens body)
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 , Wireless Control
External flash	Sony $\alpha$ System Flash compatible with Multi Interface Shoe. Attach the shoe adaptor for flash compatible with Auto-lock Accessory Shoe
<b>Drive</b>	
Modes	Single shooting, Continuous shooting (Hi+/Hi/Mid/Lo selectable), Self-timer, Self-timer (Cont.), Bracketing (Cont., Single), White Balance, DRO
Speed (approx., max.)	Continuous shooting: Hi+: 11 fps, Hi: 8 fps, Mid: 6 fps, Lo: 3 fps
No. of frame recordable (approx.)	JPEG Extra Fine L: 233 frames JPEG Fine L: 269 frames JPEG Standard L: 301 frames RAW: 107 frames RAW&JPG: 100 frames
<b>Playback</b>	
Modes	Single (with or without shooting information, RGB histogram & highlight/shadow warning), 12/30-frame index view, Enlarged display mode (L: 16.7x, M: 11.8x, S: 8.3x, Panorama (Standard): 19.2x, Panorama (Wide): 29.1x), 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, Auto Review (10/5/2 sec,Off)
<b>Interface</b>	
PC interface	Mass-storage, MTP, PC remote
Multi / Micro USB Terminal	Yes
NFC™	One-touch remote/ One-touch sharing
HD output	HDMI micro connector (Type-D), BRAVIA Sync (link menu), PhotoTV

	HD, 4K still image playback, 4K movie output
Mic Terminal	Yes(3.5 mm Stereo minijack)
Multi Interface Shoe	Yes
Others	Remote Control(RMT-DSLR2 (sold separately))
<b>Audio</b>	
Microphone	Built-in stereo microphone or XLR-K2M/XLR-K1M/ECM-XYST1M(sold separately)
Speaker	Built-in monaural
<b>Print</b>	
Compatible standards	Exif Print, Print Image Matching III, DPOF setting
<b>Custom function</b>	
Type	Custom key settings, Programmable setting
<b>Power</b>	
Battery	Rechargeable Battery Pack NP-FW50
Still images	Approx. 310 shots (viewfinder) / approx. 350 shots (LCD screen) (CIPA standard)
Movies	Actual: Approx. 65 min with viewfinder, approx. 70 min with LCD screen (CIPA standard) Continuous: Approx. 105 min with viewfinder, approx. 105 min with LCD screen (CIPA standard)
External power	AC Adaptor AC-PW20 (optional)
<b>Weight</b>	
With battery and Memory Stick PRO Duo	Approx. 453 g
Body only	Approx. 410 g
<b>Dimensions</b>	
W x H x D (excluding protrusions)	Approx. 120.0mm x 66.9mm x 53.3mm

*Features and specifications are subject to change without notice.*