

Main specifications **α6500 / α6300**

α6500 (ILCE-6500)		α6300 (ILCE-6300)	
General			
Camera type	Interchangeable-lens digital camera		
Lens mount	E-mount		
Image sensor			
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	Yes		
Recording system (still images)			
Recording format	JPEG (DCF Ver. 2.0, Exif Ver. 2.3, MPF Baseline compliant), RAW (Sony ARW 2.3 format)		
3:2 aspect ratio	L: 6000 x 4000 (24M), M: 4240 x 2832 (12M), S: 3008 x 2000 (6.0M)		
Image size	L: 6000 x 3376 (20M), M: 4240 x 2400 (10M), S: 3008 x 1688 (5.1M)		
(pixels)	Wide: horizontal 12416 x 1856 (23M), vertical 5536 x 2160 (12M), Standard: horizontal 8192 x 1856 (15M), vertical 3872 x 2160 (8.4M)		
Sweep Panorama			
Image quality modes	RAW, RAW & JPEG, JPEG Extra fine, JPEG Fine, JPEG Standard		
RAW output	14 bit		
Picture Effect	13 modes: Posterization [Color, B/W], Pop Color, Retro Photo, Partial Color (R, G, B, Y), High Contrast Monochrome, Toy Camera, Soft High-key, Soft Focus, HDR Painting, Rich-tone Monochrome, Miniature, Watercolor, Illustration		
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) and Adobe RGB standard compatible with TRILUMINOS Color		
Recording system (movies)			
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		
	MP4: MPEG-4 AAC-LC, 2ch		
Audio recording format	AVCHD: Dolby Digital (AC-3), 2ch, Dolby Digital Stereo Creator		
	MP4: MPEG-4 AAC-LC, 2ch		
	XAVC S 4K: 3840 x 2160 (30p/100Mbps, 30p/60Mbps, 24p/100Mbps, 24p/60Mbps)		
	XAVC S HD: 1920 x 1080 (60p/50Mbps, 30p/50Mbps, 24p/50Mbps, 120p/100Mbps, 120p/60Mbps)		
NTSC	XAVC S HD: 1920 x 1080 (60p/28Mbps/PS, 60i/24Mbps/FX, 60i/17Mbps/FH, 24p/24Mbps/FX, 24p/17Mbps/FH)		
	MP4: 1920 x 1080 (60p/28Mbps, 30p/16Mbps), 1280 x 720 (30p/6Mbps)		
	XAVC S 4K: 3840 x 2160 (25p/100Mbps, 25p/60Mbps)		
	XAVC S HD: 1920 x 1080 (50p/50Mbps, 25p/50Mbps, 100p/100Mbps, 100p/60Mbps)		
PAL	AVCHD: 1920 x 1080 (50p/28Mbps/PS, 50i/24Mbps/FX, 50i/17Mbps/FH, 25p/24Mbps/FX, 25p/17Mbps/FH)		
	MP4: 1920 x 1080 (50p/28Mbps, 25p/16Mbps), 1280 x 720 (25p/6Mbps)		
	NTSC mode: 1920x1080 (60p, 30p, 24p)		
	PAL mode: 1920x1080 (50p, 25p)		
Slow & Quick motion (S&Q) Record Setting	NTSC mode: 11fps, 21ps, 41ps, 61ps, 15fps, 30fps, 60fps, 120fps		
Slow & Quick motion (S&Q) Frame Rate	PAL mode: 11ps, 21ps, 31ps, 61ps, 121ps, 25fps, 50fps, 100fps		
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 (Movie, Still, Cinema, Pro, ITU709 Matrix, White&Black, S-Gamut, S-Gamut3, Cine, S-Gamut3), Saturation, Color Phase, Color Depth, Detail, Copy, Reset		
Movie functions	Audio Level Display, Audio Rec Level, Auto Slow Shutter, HDMI info. Display (On/Off selectable), Time Code/User Bit, Picture Profile, Creative Style, Picture Effect, Rec Control, Dual Video Rec, Marker Setting, PAL/NTSC Selector, Gamma Display Assist		
Color space	xvYCC standard (x.v.Color when connected via HDMI cable) compatible with TRILUMINOS Color		
Clean HDMI output			
NTSC	3840 x 2160 (30p/24p) / 1920 x 1080 (60p/24p) / 1920 x 1080 (60i), YCbCr 4:2:2 8bit/ RGB 8bit		
PAL	3840 x 2160 (25p) / 1920 x 1080 (50p) / 1920 x 1080 (50i), YCbCr 4:2:2 8bit/ RGB 8bit		
Media			
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		
Slot	Multi slot for Memory Stick Duo / SD 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		
Multi Frame NR	Auto / ISO 100 to 51200		
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 (G7 to M7: 57 steps, A7 to B7: 29 steps) / Custom / Underwater		
AWB micro adjustment	G7 to M7 (57 steps), A7 to B7 (29 steps)		
Priority Set in AWB	Yes		
Bracketing	3 frames, H/L selectable		
Focus system			
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 EV20 (ISO 100 equivalent with F2.0 lens attached)		
AF modes	Automatic AF (AF-A), 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) / Expand Flexible Spot / Lock-on AF (Wide / Zone / Center / Flexible Spot (S/M/L) / Expand Flexible Spot)		
Focus type with LA-EA3 (sold separately)	Phase-detection/contrast-detection selectable		
Other features	Lock-on AF, Eye AF, Predictive control, Focus lock, Eye-Start AF 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), AF ON		
Exposure control			
Metering type	1200-zone evaluative metering		
Metering sensor	Exmor CMOS sensor		
Metering sensitivity	EV-2 to EV20 (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 (Auto, Superior Auto), Programmed AE (P), Auto (Auto, 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) / Shutter-speed priority (S) / Manual (M))		
	Portrait, Landscape, Macro, Sports Action, Sunset, Night Portrait, Night Scene, Hand-held Twilight, Anti Motion Blur		
	±5.0 EV (in 1/3 EV or 1/2 EV steps)		
	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 100-25600 (expandable to 51200), 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)		
Viewfinder			
Type	XGA OLED, 1.0cm (0.39 type) electronic viewfinder (color)		
Total number of dots	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, -1m ³		
Dioptr adjustment	-4.0 to +3.0m ⁻¹		
Eye point	Approx. 23mm from the eyepiece lens, 21.4mm 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		
Finder Frame Rate selection	Yes (1x, 2x)		

α6500 (ILCE-6500)		α6300 (ILCE-6300)
LCD screen		
Type	7.5cm (3.0-type) wide type TFT	
Total number of dots	921,600 dots	
Touch Panel	Yes	-
Touch Focus	Yes (Touch Panel / Touch Pad)	-
Brightness control	Manual (5 steps between -2 and +2), Sunny Weather mode	
Adjustable angle	Up approx. 90 degrees, down approx. 45 degrees	
Display selector (Finder/LCD)	Auto / Manual	
Display	Graphic Display / Display All Info. / No Disp. Info. / Histogram / Digital Level Gauge / Shooting information for viewfinder mode	
Real-time image-adjustment display	On / Off	
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)	
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	Smart zoom (still images)	M: Approx. 1.4x, S: Approx. 2.0x
	Digital zoom (still images)	L: Approx. 4x, M: Approx. 5.7x, S: Approx. 8x
Digital zoom (movies)	Approx. 4x	
	Yes	
PlayMemories Camera Apps	Yes	
Lens compensation	Peripheral Shading, Chromatic Aberration, Distortion	
Zoom Ring Rotate	Yes	
Others	ISO Auto Minimum Shutter Speed, Bright Monitoring, Copyright Info, Set File Name, Location Information Link* (*Location Information Link for α6500 only)	
Shutter		
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)	
	NTSC: Up to 1/60 in AUTO mode (up to 1/30 in Auto Slow Shutter mode)	
	PAL: Up to 1/50 in AUTO mode (up to 1/25 in Auto Slow Shutter mode)	
Flash sync. speed	1/160 sec.	
Electronic front curtain shutter	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)	Not supported (image stabilization supplied by lens)
Flash control		
Control	Built-in flash	
Guide No.	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, Rear Sync., Slow Sync., Red-eye reduction (On/Off selectable), Hi-speed sync ¹⁾ , Wireless ²⁾	
Recycling time	Approx. 4 sec.	
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 (wireless flash with lighting ratio control)	
Drive		
Drive modes	Single shooting, Continuous shooting (Hi-/Hi/Mid/Lo selectable), 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 2 sec. delay/3 frames after 2 sec. delay)/Bracketing self-timer (Off/2 sec. delay/5 sec. delay/10 sec. delay)	
	Continuous mode: 11fps (Hi+), 8fps (Hi), 6fps (Mid), 3fps (Lo)	
Speed (approx., max.) ³⁾	233 frames (JPEG Extra fine L), 269 frames (JPEG Fine L), 44 frames (JPEG Extra fine L), 47 frames (JPEG Fine L), 55 301 frames (JPEG Standard L), 107 frames (RAW), 100 frames (RAW & JPEG)	
No. of recordable frames ²⁾ (approx.)	233 frames (JPEG Extra fine L), 269 frames (JPEG Fine L), 44 frames (JPEG Extra fine L), 47 frames (JPEG Fine L), 55 301 frames (JPEG Standard L), 107 frames (RAW), 100 frames (RAW & JPEG)	
Playback		
Modes	Single (with or without shooting information, Y RGB histogram & highlight/shadow warning), 12/30-frame index view, Enlarged display mode (Maximum magnification L: 16.7x, M: 11.8x, S: 8.3x), 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, Photo Capture ⁴⁾ (*Photo Capture for α6500 only)	
Interface		
PC interface	Mass Storage, MTP, PC Remote	
Multi / Micro USB Terminal	Yes ⁵⁾	
Wireless LAN (built-in)	Wi-Fi compatible: IEEE802.11b/g/n (2.4GHz band) ⁶⁾ , Playback of still images and movies on smartphones, PCs and TVs	
NFC ⁷⁾	Yes (NFC Forum Type 3 Tag compatible, One-touch remote, One-touch sharing)	
Bluetooth	Yes (Bluetooth Standard Ver. 4.1 (2.4GHz band))	
HD output	HDMI micro connector (Type-D), BRAVIA Sync (link menu), PhotoTV HD, 4K movie output, 4K still image playback	
Multi Interface Shoe	Yes	
Others	Microphone terminal (3.5mm Stereo minijack)	
Audio		
Microphone	Built-in stereo microphone or XLR-K2M / XLR-K1M / ECM-XYSTIM (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	
Memory function	Yes (Body: 2 sets / Memory card: 4 sets)	
Power		
Battery	Rechargeable battery pack NP-FW50	
Still images	Approx. 310 shots (viewfinder) / Approx. 350 shots (LCD screen) (CIPA standard)	Approx. 350 shots (viewfinder) / Approx. 400 shots (LCD screen) (CIPA standard)
Movies	Actual ¹⁰⁾ : Approx. 65 min. (viewfinder) / Approx. 70 min. (LCD screen) (CIPA standard)	Actual ¹⁰⁾ : Approx. 70 min. (viewfinder) / Approx. 75 min. (LCD screen) (CIPA standard)
	Continuous ⁹⁾ : Approx. 105 min. (viewfinder) / Approx. 105 min. (LCD screen) (CIPA standard)	Continuous ⁹⁾ : Approx. 115 min. (viewfinder) / Approx. 115 min. (LCD screen) (CIPA standard)
External power	AC Adaptor AC-PW20 (sold separately)	
Weight		
With battery and Memory Stick PRO Duo	Approx. 453g (approx. 1 lb.)	Approx. 404g (approx. 14.3 oz.)
Body only	Approx. 410g (approx. 14.5 oz.)	Approx. 361g (approx. 12.8 oz.)
Dimensions		
W x H x D (excluding protrusions)	Approx. 120.0mm x 66.9mm x 53.3mm (approx. 4 3/4 x 2 3/4 x 2 1/8 in.)	Approx. 120.0mm x 66.9mm x 48.8mm (approx. 4 3/4 x 2 3/4 x 1 15/16 in.)
Operating temperature		
Range	32°-104°F / 0-40°C	

Specifications and features are subject to change without notice.

- *1 With compatible external flash.
- *2 With "Hi+" continuous shooting mode. Approximate. May vary depending on shooting conditions and media.
- *3 Supports Micro USB-compatible device.
- *4 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)
- *5 Continuous movie recording is possible for approximately 29 minutes (limited by product specifications).
- *6 Indicated recording time is defined by repeating the following cycle: Power on, start recording, zoom, stand-by and power off.
- *7 Indicated recording time is defined by repeating the following cycle: Pressing the MOVIE button. No other operations such as zoom are performed.

Sony World Photography Awards

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 - "InfoLithium" is a lithium battery pack which can exchange data with compatible electronic equipment about its energy consumption.
 - Sony recommends that you use the battery pack with electronic equipment bearing the "InfoLithium" mark.
 - Screen displays and effects used to illustrate some functions are simulated.
- <http://www.sony.net/digitalimaging/>

SONY

Interchangeable-lens digital camera

α6500
α6300



Sony | Photo Gallery:

http://www.sony.net/Products/di_photo_gallery/



Sony | Camera Channel:

<https://www.youtube.com/c/ImagingbySony>



4D FOCUS

The Power of Imaging

Immortalize infinite possibilities

Now, there are more ways to capture decisive moments in captivating detail. Super-speed autofocus, razor-edged resolution, expanded continuous shooting and other advances are seamlessly designed and integrated. The latest qualities and capabilities you need to make recordings, including 4K movies, look sharper, smoother and more professional are smartly contained in strong compact bodies. With the **α6500** and **α6300** interchangeable-lens cameras from Sony at your command, the possibilities are endless.



α6500

(Model ILCE-6500)

APS-C 24.2 Megapixels	ISO 100-25600	Phase Detection 425 AF points	AF Speed 0.05 sec.	11 Frames per sec.	307 Frames cont. shooting	5-axis SteadyShot INSIDE	Touch Focus
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α6300

(Model ILCE-6300)

APS-C 24.2 Megapixels	ISO 100-25600	Phase Detection 425 AF points	AF Speed 0.05 sec.	11 Frames per sec.
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Focus at the speed of sight

The evolution of 4D FOCUS accelerates

Without spectacular focus, you lose your edge. So raise your sights, with Sony taking autofocus to new heights of innovation. At the forefront of this progress is 4D FOCUS, extending phase-detection AF point coverage, increas-

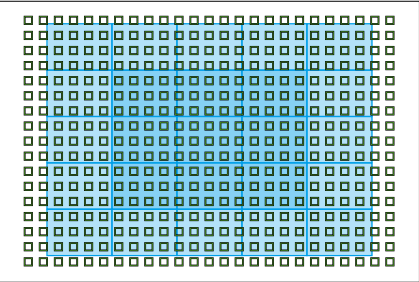
ing AF speed and incorporating High-density Tracking AF Technology. With 4D FOCUS AF performance, it's never been easier to capture fleeting moments in stunningly detailed sequences of images that leave the rest behind.



α6500 with FE 70-300mm F4.5-5.6 G OSS (SEL70300G), 1/2500 sec., F5.6, ISO 100

Wide 425 points World's highest number* of AF points

The α6500 and the α6300 are supremely accurate and reliable at capturing subjects in clear focus wherever they move within the frame. After all, they have the world's highest number* (425*) of focal plane phase-detection AF points widely and densely positioned throughout their image areas.

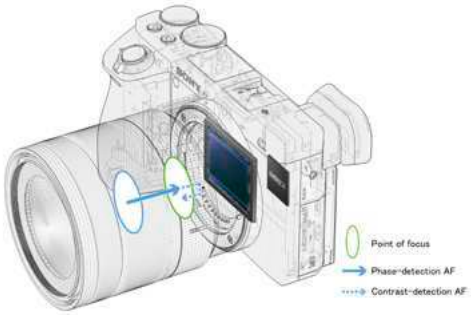


* Among interchangeable-lens digital cameras as of October 2016, based on Sony research.
■ Phase-detection AF coverage (425 points)
■ Contrast-detection AF coverage (169 points*)
* 25 points + 144 points (each of 9 central AF points is divided into 16 segments.)

Fast 0.05 sec. World's fastest* AF speed

These cameras achieve the world's fastest* (0.05 sec.*) AF speed with the enhanced Fast Hybrid AF's integrated autofocusing performance and the uncanny efficiency of the BIONZ X™ image processing engine to handle so much information with astonishing accuracy.

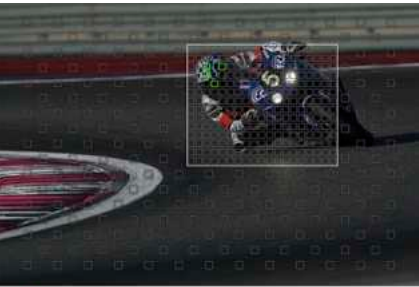
Fast Hybrid AF system



* Among interchangeable-lens digital cameras equipped with an APS-C image sensor as of October 2016, based on Sony research. Based on CIPA standard and internal measurement method with an E PZ 16-50mm F3.5-5.6 OSS, Pre-AF off and viewfinder in use.

Steadfast High-density Tracking AF Technology

For supremely reliable accuracy and tracking stability, High-density Tracking AF Technology activates AF points to cover the area around the subject with approx. 7.5 times as much density as the α6000. This focal plane phase-detection autofocus function can activate AF points seamlessly and track subjects moving within frame with such unerring precision.



■ AF points that appear on actual screen
■ AF algorithm (not shown on actual screen)



α6500 with FE 70-200mm F2.8 GM OSS (SEL70200GM), 2xTeleconverter (SEL20TC), 1/800 sec., F9, ISO 160

Live-view continuous shooting with minimal lag

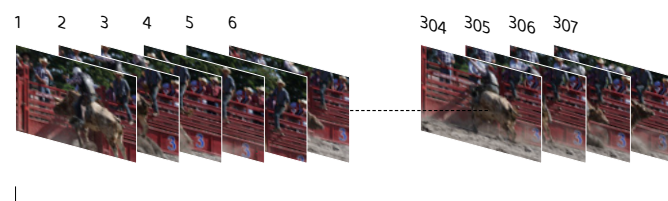
High-speed continuous shooting is available at up to approx. 11fps (Hi+), and up to approx. 8fps (Hi) in live-view. In live-view continuous shooting at up to 8fps, display lag on the electronic viewfinder (EVF) or LCD screen is kept to an absolute minimum, so you can capture moving subjects just as if you are shooting using an optical viewfinder.



Ample buffer for continuous shooting NEW on α6500

Faster internal processing and a higher-capacity buffer memory now allow up to 307 shots (around 36 seconds)* of high-speed continuous shooting. This increases the chances of capturing more decisive moments.

* With "Hi" continuous shooting mode and "Fine" image quality settings.



Approx. 36 seconds



Eye AF

Eye AF mode automatically detects, then focuses on and tracks focus on a subject's eye with pinpoint precision, even as the face moves. This extends your freedom to focus and frame a shot, even when shooting with a fast lens with aperture fully open (with shallow depth of field). Eye AF also works in AF-C mode, so even if the subject moves, the wide coverage of the high-density 425-point focal plane phase-detection AF sensor maintains focus on the eye.

Focus Release/Balance

You can choose settings to optimize focus and release action in ways that are most suitable for shooting each scene. Priority setup (AF, Release or Balanced Emphasis) is available in AF-S and AF-C modes. Also, you can adjust shutter release timing by choosing Release (shutter) priority, AF (focus) priority or Balanced Emphasis setting, to achieve a balance between Release and AF priorities.

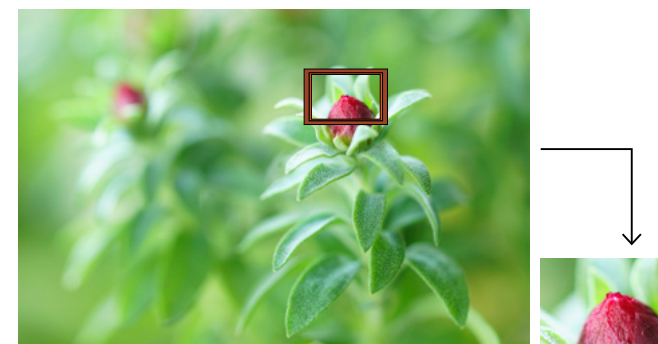
Focal plane phase-detection AF for A-mount lenses

The cameras offer 425-focal-plane-phase-detection-AF point coverage even with an A-mount lens mounted via LA-EA3 (LA-EA1) mount adaptor*. So you can take full advantage of speedy response and high performance when shooting with an A-mount lens.

* 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 is available only when "Phase-detection AF" is selected with AF System, but no motion tracking is performed during continuous shooting (Hi+, Hi, Mid).

AF in Focus Magnifier

You can use autofocus even while enlarging a selected image area on the viewfinder or LCD screen, for finer adjustment of focus, for example. This is excellent for macro shooting, when accurate focusing is crucial.



Expand Flexible Spot

When the selected AF point loses track of or is not positioned on a moving subject, Expand Flexible Spot function automatically directs surrounding AF points to restore focus instantly on that subject.



Touchscreen for more intuitive, tactile focus

Immediate focus point selection by touch operation when shooting stills and movies NEW on α6500

The Touch Focus function puts the power of more immediate, intuitive focus right at your fingertip. Simply touch the area of the still/movie image on the LCD screen that you want to focus on. There's no need to lock autofocus

and adjust composition, or use Flexible Spot to shift between areas of focus. When shooting stills with manual focus, you can double-tap the screen to enlarge the desired area of focus on display.

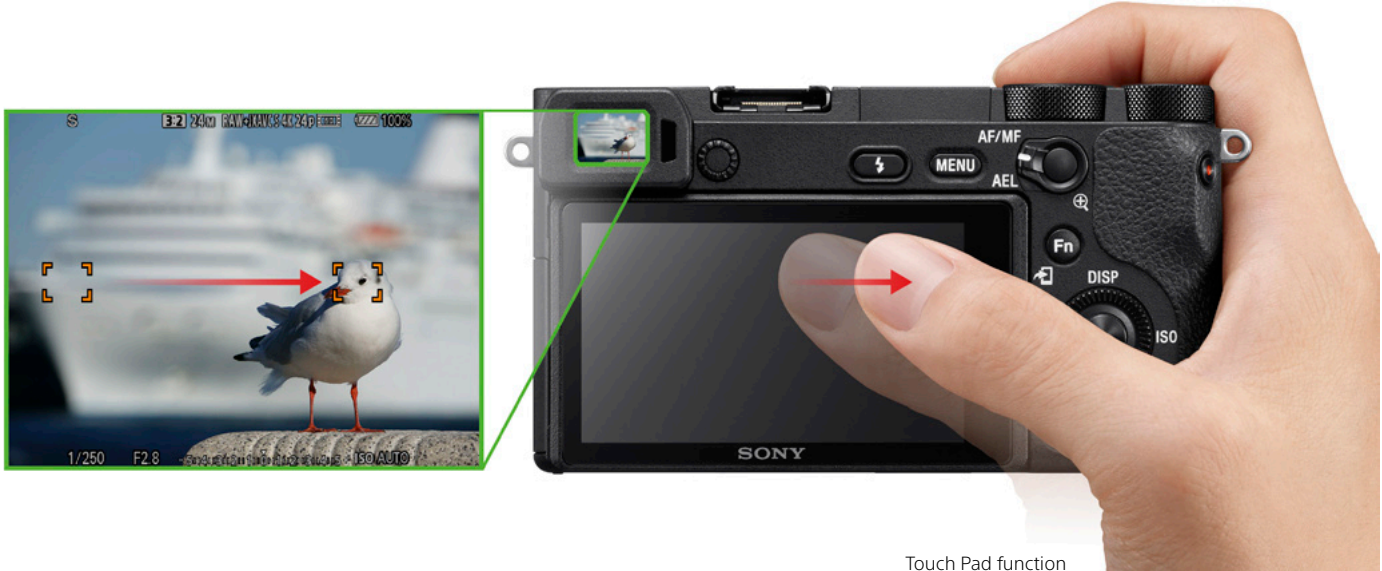


Touch Focus function

Smooth focus point selection while looking into the viewfinder by using Touch Pad function NEW on α6500

While monitoring the electronic viewfinder, you can conveniently use the LCD screen for Touch Pad function.

Simply swipe your fingertip to shift focus point intuitively and smoothly from one area to another onscreen.



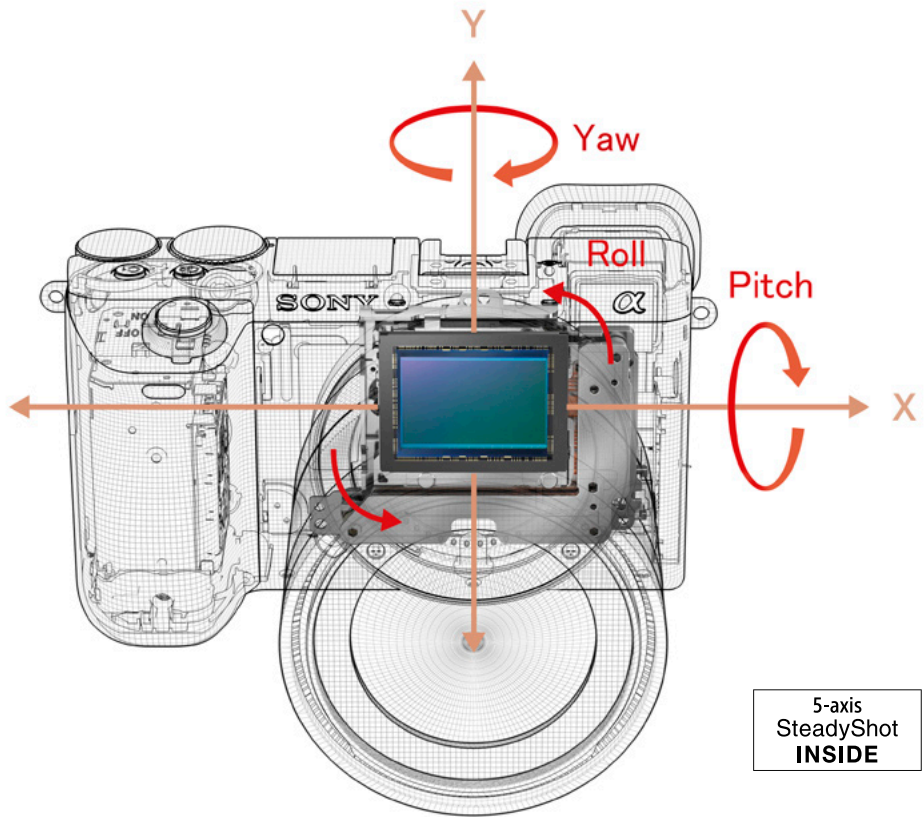
Touch Pad function

Built-in stabilization, complete and compact

5-axis image stabilization NEW on α6500

The re-engineering of the brilliant α6000 series layout paved the way for creation of the compact α6500 — the APS-C camera with built-in 5-axis optical image stabilization for shooting movies and stills. A new gyro sensor achieves stabilization to the effect of shooting with 5-stops-faster* shutter speed. Compensation for five types of image-blurring camera shake lets you shoot with assurance that high-resolution recordings, made even while zooming in on distant subjects, or shooting close-ups or night scenes, will look surprisingly crisp and clear.

* Based on CIPA standard. Pitch/yaw stabilization only. With Sonnar T* FE 55mm F1.8 ZA. Long exposure NR off.



Pitch and yaw compensation



Compensation for commonly experienced pitch and yaw shake at long focal length shown at bottom.

Horizontal and vertical shift compensation



Compensation for X- and Y-axis shift shake at high magnification, during macrophotography, etc.

Roll compensation

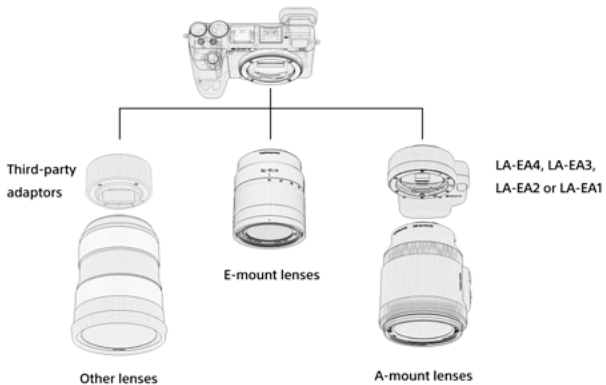


Compensation for roll shake on the Z-axis during long exposures. Most in-lens systems for interchangeable-lens cameras cannot compensate for roll shake.

Compatibility with wide-ranging mountable lenses NEW on α6500

5-axis image stabilization lets you enjoy unparalleled handheld shooting freedom with more of your favorite mountable lenses. The short flange-back in the E-mount of the α6500 extends compatibility with a range of lenses.

Note: When using a third-party mount adaptor, performance, functionality and operation are not guaranteed and Sony will take no responsibility if a malfunction occurs.



Inside imaging innovation

Exmor
CMOS Sensor

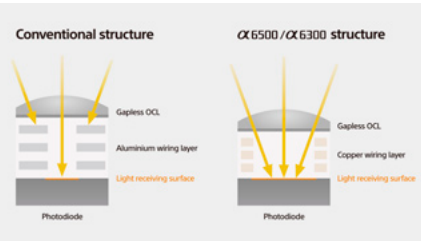


24.2-megapixel APS-C Exmor™ CMOS sensor

An APS-C sensor with approximately 24.2 effective megapixels features copper wiring and enhanced circuit processing that lower the wiring layer and boost light collection efficiency. In conjunction with the BIONZ X image processor, it minimizes noise throughout a wide sensitivity range of ISO 100-51200*. The highly conductive copper in the circuitry significantly raises readout speed in order for the camera to offer 4K movie recording with full pixel

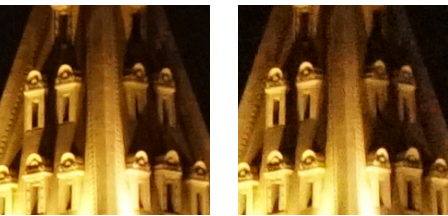
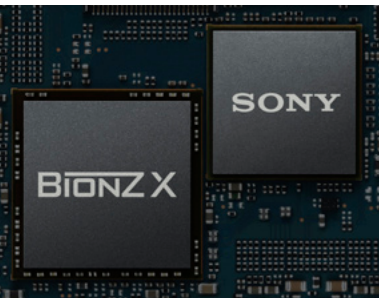
readout without pixel binning and Full HD 120fps shooting among its advanced functions.

* Standard ISO range: ISO 100-25600 for stills and movies.
Expandable up to ISO 51200 for stills only.



BIONZ X

BIONZ X image processing engine



ISO 1600
ISO 6400
High-quality images with reduced noise even at high ISO settings.

The BIONZ X image processing engine applies an algorithm to work seamlessly with the image sensor, resulting



α6500 with Vario-Tessar T* E 16-70mm F4 ZA OSS (SEL1670Z), 1/20 sec., F5.6, ISO 6400

in unrivaled clarity, low noise levels, and more detailed texture depiction, particularly in the mid-to-high ISO range.

New Front-end LSI NEW on α6500

New front-end LSI (large-scale integration) in the α6500 supports BIONZ X image processing power even further, benefiting image quality.

14-bit RAW output

14-bit digital signals that are converted from analog signals in the image sensor undergo 16-bit processing by the image processing system for 14-bit RAW image output. This enriches tonal gradation for RAW recording.

* For shooting in Long exposure NR, Bulb, or continuous shooting mode, only 12-bit recording is possible.



α6500 with Vario-Tessar T* E 16-70mm F4 ZA OSS (SEL1670Z), 1/60 sec., F11, ISO 100

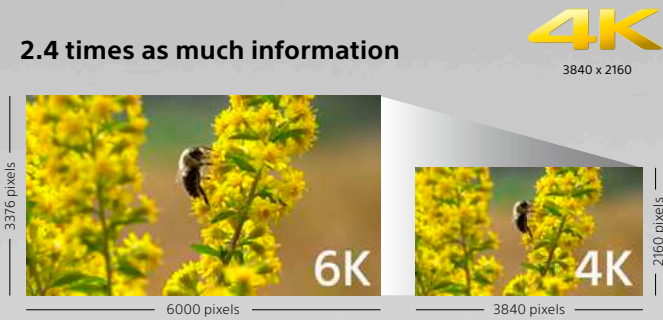
Unleash magnificent movie star quality

4K movies^{*1} oversampled from 6K (20MP)

The **α6500** and **α6300** record high-resolution 4K movies^{*1} of wide dynamic range in the Super 35mm format favored among cinema camera users. Full pixel readout without pixel binning collects approx. 2.4 times^{*2} (6K equivalent) as much information as is required for 4K (QFHD: 3840 x 2160) movie output. This oversampling effect gives 4K images the realistic depth and dimension that you might experience when witnessing the actual scene.

^{*1} The camera may automatically turn off to continuously record a high quality movie. Recording time may be shortened, depending on shooting conditions.
^{*2} In 24p recording. Approx. 1.6 times in 30p recording.

2.4 times as much information



Quicker, denser, smoother Fast Hybrid AF coverage

Now, this extra-dense phase-detection AF point coverage gives movie autofocus unprecedented speed and precision, so it's especially valuable for 4K movie recording. Moreover, the **α6500** and **α6300** feature adjustable AF Drive Speed and AF Tracking Sensitivity to help you express more creativity by manipulating focus, as far as conditions and your imagination allow.



Full HD 120fps (100fps^{*1}) shooting

You can shoot high-quality Full HD^{*2} footage, even in Full HD 120fps (100fps^{*1}) high-speed shooting with a high bit rate up to 100Mbps.

^{*1} In PAL setting.
^{*2} Pixels to be read are limited to the sensor area that is required for Full HD movies.

Slow and Quick motion **NEW on α6500**

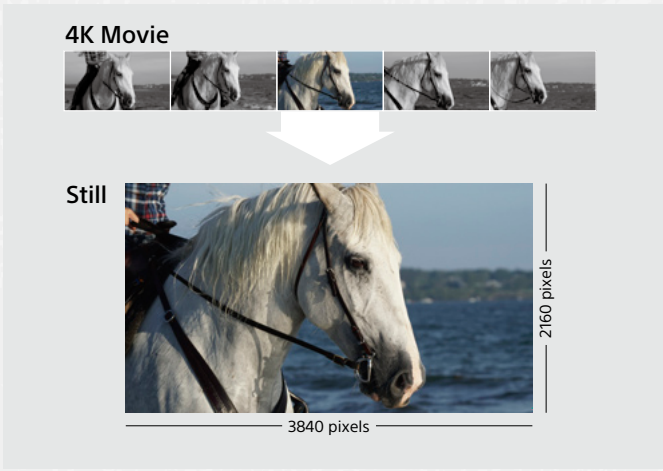
Now, up to 5x slow motion and up to 60x quick motion^{*1*2} can be recorded at up to 50Mbps in high-quality Full HD in camera. Choose among eight movie frame rates ranging from 1fps to 120fps (100fps^{*3}). After shooting, no PC-based post-processing is required for viewing your slow motion and quick motion footage.

^{*1} In NTSC setting. Up to 5x slow motion and up to 50x quick motion recording is available in PAL setting.
^{*2} Sound cannot be recorded. SDHC/SDXC memory card of Class 10 or higher is required.
^{*3} In PAL setting.

S&Q Record Setting	NTSC	24p	30p	60p					
	PAL	25p	50p						
S&Q Frame Rate	NTSC	1fps	2fps	4fps	8fps	15fps	30fps	60fps	120fps
	PAL	1fps	2fps	3fps	6fps	12fps	25fps	50fps	100fps

Photo Capture **NEW on α6500**

Use Photo Capture function to select, extract and save still images of decisive moments from movie footage. Approximately 8-megapixel images from 4K movies, and approximately 2-megapixel images from Full HD movies can be created and saved as image files.



S-Gamut/S-Log shooting

S-Gamut/S-Log shooting give you flexibility to make more expressive movies by performing color grading in post-production. The S-Log3 and S-Log2 gamma curves feature wide dynamic range (up to 1300%) to minimize blown highlights and blocked shadows. These cameras even offer impressive 14-stop latitude in S-Log3 gamma setting, and also support S-Gamut, S-Gamut3, and S-Gamut3.Cine color space from Sony.

Note: S-Log2 and S-Log3 are premised on processing pictures.

High-bit-rate XAVC S* format

As a more consumer-friendly version of the XAVC 4K/HD format for professional use, the XAVC S* format is great for capturing high-quality images at a maximum 100Mbps bit rate for 4K 30p (25p)/24p. The benefits of finer details and less compression noise are perfectly clear.

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

Recording format	Image size	Frame rate	Wrapper	Bit-rate
XAVC S 4K	4K 3840 x 2160	30p (25p)/24p	MP4	100Mbps/60Mbps
XAVC S HD	Full HD 1920 x 1080	60p (50p)/30p (25p)/24p	MP4	50Mbps
		120p (100p)		100Mbps/60Mbps

Clean HDMI output

Choose 4K (QFHD: 3840 x 2160 pixels) output with 30p and 24p frame rates for recording high-quality 4K movies as uncompressed footage on a compatible external recorder, or for direct viewing on a compatible monitor or TV, while recording in-camera*.

* Image will not be displayed on the camera's LCD screen during 4K recording.

Supports professional-quality mic and audio input

In addition to plug-in microphones, these cameras support line input from professional-standard audio devices with XLR terminal, with use of a separately sold XLR adaptor kit (XLR-K2M/XLR-K1M) that enables connection with various high-end microphones. That way, you can make fine audio setting adjustments and high-quality/low-noise sound recordings worthy of serious movie shooting.

More features for fine tuning and post-production

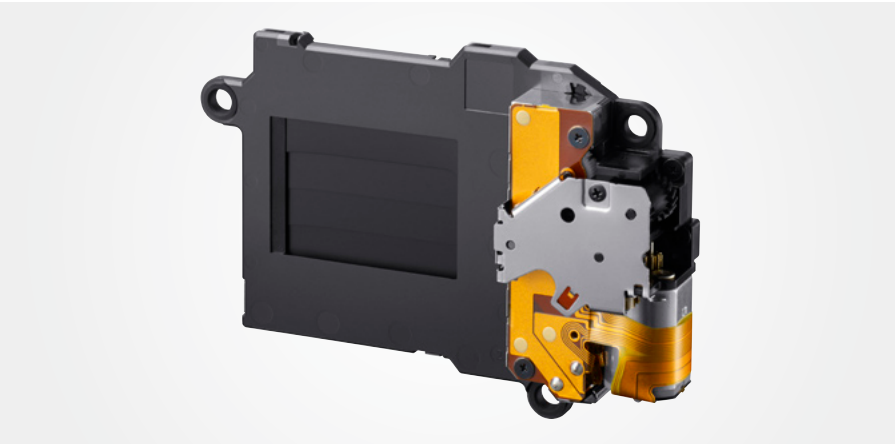
Picture Profile, Gamma Display Assist, Zebra Function, Time code, User bit, etc. support movie production workflow.

Rock-solid and ready for everything

200,000 shutter releases and beyond NEW on α6500

The shutter is tested to withstand about 200,000 release cycles* while transmitting very low vibration. The shutter system is designed to minimize vibration, maximize image sensor resolution performance and suppress shutter sound.

* With the electronic front curtain shutter, under internal test conditions of Sony.



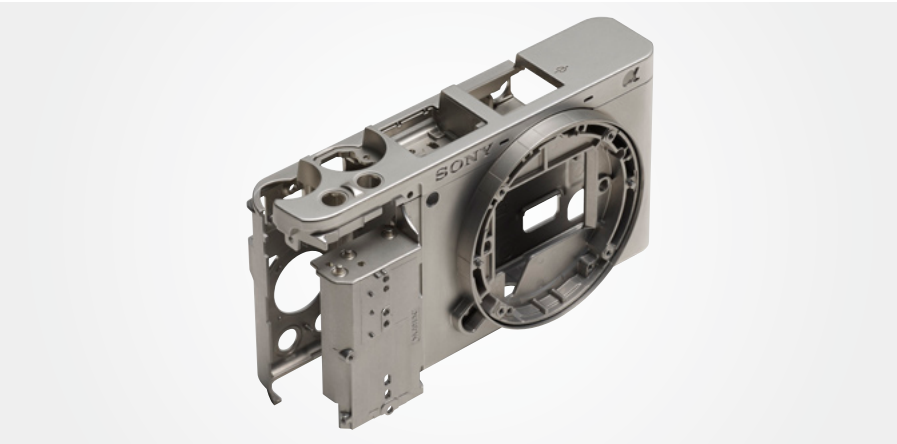
Robust lens mount

The strength and rigidity of each camera body and lens mount provide an especially solid foundation for mounting and withstanding rugged use with even large, heavy lenses such as super telephoto lenses and lenses preferred for movie shooting.



Tough magnesium alloy body

With internal frames, rear cover, top cover and front cover constructed of magnesium alloy, the robust, rigid, light bodies of the α6500 and α6300 are stronger than those of their predecessors. Designed for solid reliability and steady handling, these compact bodies readily withstand the rigors of shooting in the field.



Dust and moisture resistance

Enjoy carefree shooting in tough environments, thanks to comprehensive dust and moisture resistance measures that help prevent water and dust from entering the body. These measures include sealing around the buttons and dials, as well as a protective double-layered structure that tightly interlocks panels and components.

Note: These cameras are designed for optimal dust and moisture resistance, but are not waterproof or splashproof.



Enhanced grip for secure handling NEW on α6500

Ergonomically refined grip contours let you grasp either of these cameras and feel perfectly at ease and secure at handling any operation, even when a large lens is mounted. The grip of the α6500 in particular is deeply recessed for a hand to take an exceptionally firm, comfortable hold, regardless of shooting position and conditions.

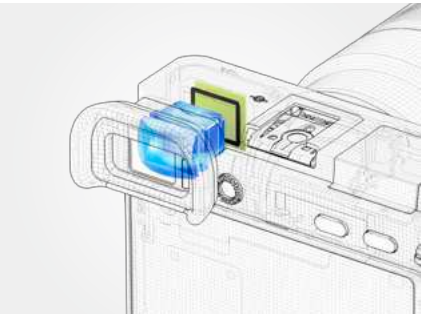


Extra-smooth views on XGA OLED Tru-Finder™ EVF

The α6500 and the α6300 both employ a high-contrast, high-resolution XGA OLED Tru-Finder offering high visibility and fine details in dark areas and color reproduction. These cameras also feature an additional mode to display at 120fps (100fps*), so you can see smooth action and track it easily.

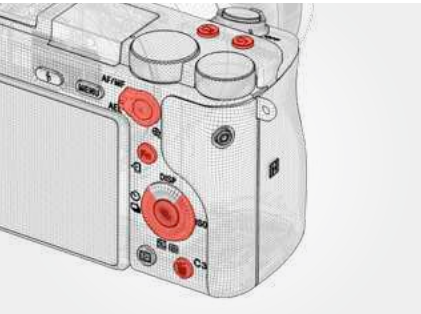
* In PAL setting.

XGA OLED Tru-Finder



Expanded custom function NEW on α6500

The α6500 has ten customizable buttons (and the α6300 has nine) to which you can assign functions for quicker, more intuitive shooting and playback. 68 functions (and 64 for the α6300) are easily assignable to the buttons for convenient access when shooting, although some functions can only be assigned to certain buttons.



Power supply via USB

Camera operation can be powered via USB connection to mobile battery. This conserves the camera battery, extending the length of time that the camera can be used before the battery is depleted. When the camera is turned off, the battery can be charged via the same connection.



Convenient tiltable LCD screen

The LCD screen tilts up approx. 90 degrees and down approx. 45 degrees to accommodate a wide range of shooting angles. This flexibility complements the cameras' compactness and mobility, and expands shooting options. Views are clear under direct sunlight, thanks to the screen's WhiteMagic™ technology with a unique RGBW pixel structure that nearly doubles display brightness for easier checking of focus and image details.



Explore higher perspectives

Lenses

E-mount APS-C lenses



E 16mm F2.8
(SEL16F28)



E 35mm F1.8 OSS
(SEL35F18)



E PZ 18-105mm F4 G OSS
(SEL18105G)



Fisheye Converter
(VCL-ECF2)
*For SEL16F28, SEL20F28



E 50mm F1.8 OSS
(SEL50F18)



FE PZ 18-110mm F4 G OSS
(SEL18110G)



Ultra Wide Converter
(VCL-ECU2)
*For SEL16F28, SEL20F28



E 10-18mm F4 OSS
(SEL1018)



E 18-200mm F3.5-6.3 OSS
(SEL18200)



E 20mm F2.8
(SEL20F28)



E PZ 16-50mm F3.5-5.6 OSS
(SEL1650)



E 18-200mm F3.5-6.3 OSS LE
(SEL18200LE)



Sonnar T* E 24mm F1.8 ZA
(SEL24F18Z)



Vario-Tessar T* E 16-70mm F4 ZA OSS
(SEL1670Z)



E PZ 18-200mm F3.5-6.3 OSS
(SEL18200)



E 30mm F3.5 Macro
(SEL30M35)



E 18-55mm F3.5-5.6 OSS
(SEL1855)



E 55-210mm F4.5-6.3 OSS
(SEL55210)

PZ = Powered Zoom

Explore higher perspectives

See the world from more creative perspectives with the full range of premium Sony A-mount lenses, including fisheye, wide-angle, super telephoto, macro and legendary ZEISS® lenses for the ultimate expression of images. (Optional Mount Adaptor LA-EA4 or LA-EA3 is required to mount an A-mount lens.)*



Mount Adaptor
LA-EA4



Mount Adaptor
LA-EA3



E-mount Full frame lenses



FE 28mm F2
(SEL28F20)



Vario-Tessar T* FE 16-35mm F4 ZA OSS
(SEL1635Z)



Ultra Wide Converter
(SEL075UWC)
*For SEL28F20 only



FE 24-70mm F2.8 GM OSS
(SEL2470GM)



Fisheye Converter
(SEL057FEC)
*For SEL28F20 only



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



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



FE 24-240mm F4.5-5.6 OSS
(SEL24240)



Sonnar T* FE 35mm F2.8 ZA
(SEL35F28Z)



FE 28-70mm F3.5-5.6 OSS
(SEL2870)



Planar T* FE 50mm F1.4 ZA
(SEL50F14Z)



FE PZ 28-135mm F4 G OSS
(SEL28135G)



FE 50mm F1.8
(SEL50F18F)



FE 70-200mm F2.8 GM OSS
(SEL70200GM)



FE 50mm F2.8 Macro
(SEL50M28)



Sonnar T* FE 55mm F1.8 ZA
(SEL55F18Z)



FE 70-200mm F4 G OSS
(SEL70200G)



FE 85mm F1.4 GM
(SEL85F14GM)

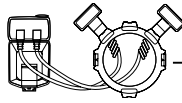


FE 70-300mm F4.5-5.6 G OSS
(SEL70300G)

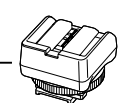


FE 90mm F2.8 Macro G OSS
(SEL90M28G)

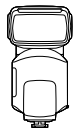
Flash



Macro Twin Flash Kit
HVL-MT24AM



Shoe Adaptor
ADP-MAA



Flash
HVL-F60M



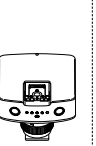
Flash
HVL-F43M



Flash
HVL-F32M



Wireless Radio
Commander
FA-WRC1M

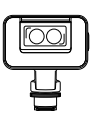


Wireless Radio
Receiver
FA-WRR1

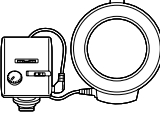


Flash
HVL-F20M

Lights / Microphones / Monitor / Bracket



Battery Video IR Light
HVL-LEIR1



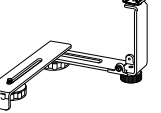
Ring Light
HVL-RL1



Battery Video Light
HVL-LE1

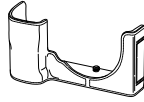


Clip-on LCD Monitor
CLM-FHD5

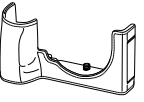


Bracket
VCT-SSLH

Cases & Straps



Body Case
for α6300
LCS-EBE



Body Case
for α6500
LCS-EBG



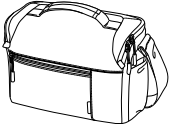
Soft Carrying Case
LCS-EMJ



Sling Bag
LCS-SB1



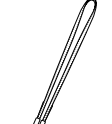
Soft Carrying Case
LCS-PSC7



Soft Carrying Case
LCS-SL20



Shoulder Strap
STP-XH1



Shoulder Strap
STP-XSG1



α6500 With LCS-EBG



α6300 With LCS-EBE

Microphones



XLR Adaptor Kit
XLR-K2M



Shotgun
Microphone
ECM-CG60



Stereo
Microphone
ECM-XYST1M

Lens Accessories



Circular PL Filters
VF-49CPAM / 55CPAM / 62CPAM / 67CPAM / 72CPAM / 77CPAM / 82MPAM



MC Protectors
VF-405MP / 49MPAM / 55MPAM / 62MPAM / 67MPAM / 72MPAM / 77MPAM / 82MPAM



Body Cap
ALC-B1EM

Power Accessories



Rechargeable
Battery Pack
NP-FW50



Accessory Kit
ACC-TRW

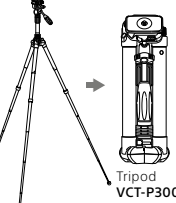


Battery Charger
BC-QM1



AC Adaptor
AC-PW20

Tripods / Remote Commander / Memory Cards / Others



Tripod
VCT-P300



Remote Control
Tripod
VCT-VP1



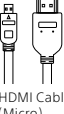
Eyepiece Cup
for α6300
FDA-EP10



Eyepiece Cup
for α6500
FDA-EP17



LCD Protect Sheet
PCK-LS1EM



HDMI Cable
(Micro)
DLC-HEU15/30



Remote Commander
RM-VP1



Remote
Commander and
IR Receiver Kit
RMT-VP1K



Remote
Commander
RMT-DSLR2



Shoe Cap
FA-SHC1M



SD Memory Card



Memory Stick

For details on compatible lenses and accessories, visit the Sony website.