

## Main specifications **α6300**

<b>General</b>	
Camera type	Interchangeable-lens digital camera
Lens mount	E-mount
<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 ultrasonic vibration mechanism
<b>Recording system (still images)</b>	
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 (pixels)	16:9 aspect ratio L: 6000 x 3376 (20M), M: 4240 x 2400 (10M), S: 3008 x 1688 (5.1M)
	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, 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 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)
Creative Style	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)
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
<b>Recording system (movies)</b>	
Recording format	XAVC S / AVCHD format Ver. 2.0 compliant / MP4
	XAVC S: MPEG-4 AVC/H.264
Video compression	AVCHD: MPEG-4 AVC/H.264
	MP4: MPEG-4 AVC/H.264
	XAVC S: LPCM, 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)
	AVCHD: 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)
Image size (pixels)	XAVC S 4K: 3840 x 2160 (25p/100Mbps, 25p/60Mbps)
	XAVC S HD: 1920 x 1080 (50p/50Mbps, 25p/50Mbps, 100p/100Mbps, 100p/60Mbps)
	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)
High Frame Rate Recording	NTSC 1920 x 1080 (24p/12Mbps, 30p/16Mbps)
	PAL 1920 x 1080 (25p/16Mbps)
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, AF Tracking Sensitivity, AF Drive Speed, 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	sYCC standard (x.v.Color when connected via HDMI cable) compatible with TRILUMINOS Color
<b>Clean HDMI output</b>	
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
<b>Media</b>	
Media	Memory Stick PRO Duo, Memory Stick PRO-HG Duo, Memory Stick (Micro), SD memory card, SDHC memory card (UHS-I compliant), SDXC memory card (UHS-I compliant), microSD memory card, microSDXC memory card, microSDXC memory card
Slot	Multi slot for Memory Stick Duo / SD 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 / 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)
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 EV20 (ISO100 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
<b>Exposure control</b>	
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
Exposure modes	Auto (Auto, Superior Auto), Programmed AE (P), Aperture priority (A), Shutter-speed priority (S), Manual (M), Scene Selection, Sweep Panorama, Movie/High Frame Rate (Programmed AE (P) / Aperture priority (A) / Shutter-speed priority (S) / Manual (M))
Scene Selection	Portrait, Landscape, Macro, Sports Action, Sunset, Night Portrait, Night Scene, Hand-held Twilight, Anti Motion Blur
Exposure compensation	+/-5.0 EV (in 1/3 EV or 1/2 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. Can be disabled from the Menu.
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)
<b>Viewfinder</b>	
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 <sup>-1</sup>
Dioptr adjustment	-4.0 to +3.0m <sup>-1</sup>
Eye point	Approx. 23mm from the eyepiece lens, 21.4mm from the eyepiece frame at -1m <sup>-1</sup> (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)
<b>LCD screen</b>	
Type	7.5cm (3.0-type) wide type TFT
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
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)

<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
	Smart zoom (still images) M: Approx. 1.4x, S: Approx. 2.0x
Digital zoom	Digital zoom (still images) L: Approx. 4x, M: Approx. 5.7x, S: Approx. 6x
	Digital zoom (movies) Approx. 4x

<b>PlayMemories Camera Apps</b>	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
<b>Shutter</b>	
Type	Electronically controlled, vertical-traverse, focal-plane type
	Still images: 1/4000 to 30 sec., Bulb
	Movies: 1/4000 to 1/4 (1/3 step)
Shutter speed	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
<b>SteadyShot INSIDE (image stabilization)</b>	
Type	Not supported (image stabilization supplied by lens)
<b>Flash Control</b>	
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, Rec Sync., Slow Sync., Red-eye reduction (On/Off selectable), Hi-speed sync <sup>1</sup> , Wireless <sup>1</sup>
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 lightning ratio control)
<b>Drive</b>	
Drive modes	Single shooting, Continuous shooting (Hi-/Hi-Mid/Low selectable), Self-timer, Self-timer (Cont.), Bracketing (Cont., Single, White Balance, DRO)
	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.) <sup>2</sup>	Continuous mode: 11fps (Hi-), 8fps (Hi), 6fps (Mid), 3fps (Lo)
No. of recordable frames <sup>3</sup> (approx.)	44 frames (JPEG Extra Fine L), 47 frames (JPEG Fine L), 55 frames (JPEG Standard L), 21 frames (RAW), 21 frames (RAW&JPEG)

<b>Playback</b>	
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

<b>Interface</b>	
PC interface	Mass-storage, MTP, PC remote
Multi / Micro USB Terminal	Yes <sup>4</sup>
Wireless LAN (built-in)	Wi-Fi Compatible, IEEE802.11b/g/n (2.4GHz band) <sup>5</sup> , Playback of still images and movies on smartphones, PCs and TVs
NFC <sup>6</sup>	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	Yes
Others	Microphone terminal (3.5mm Stereo minijack)

<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
Memory function	Yes (2 sets)

<b>Power</b>	
Battery	Rechargeable battery pack NP-FW50
Still images	Approx. 350 shots (viewfinder) / Approx. 400 shots (LCD screen) (CIPA standard)
Movies	Actual <sup>7</sup> : Approx. 70 min. (viewfinder) / Approx. 75 min. (LCD screen) (CIPA standard)
	Continuous <sup>7</sup> : Approx. 115 min. (viewfinder) / Approx. 115 min. (LCD screen) (CIPA standard)
External power	AC Adaptor AC-PW20 (sold separately)
<b>Weight</b>	
With battery and Memory Stick PRO Duo	Approx. 404g (approx. 14.3 oz.)
Body only	Approx. 361g (approx. 12.8 oz.)
<b>Dimensions</b>	
W x H x D (excluding protrusions)	Approx. 120.0mm x 66.9mm x 48.8mm (approx. 4 3/4 x 2 3/4 x 1 15/16 in.)
<b>Operating temperature</b>	
Range	32°-104°F / 0-40°C

Specifications and features are subject to change without notice.
*1 With compatible external flash.
*2 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

Interchangeable-lens digital camera

# α6300



Sony World Photography Awards

For more details, visit the website at: [www.worldphoto.org](http://www.worldphoto.org)



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- Screen displays and effects used to illustrate some functions are simulated.

<http://www.sony.net/digitalimaging/>

### Sony | Photo Gallery:

[http://www.sony.net/Products/di\\_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

Printed in Japan



# α6300 4D FOCUS

## Focus at the speed of sight

With extraordinary shooting response, image quality and flexible functionality firmly in your grasp, α6300, the flagship APS-C mirrorless interchangeable-lens camera is a dream fulfilled.

With autofocus so amazingly smart and fast, resolution so razor-sharp and 4K movie recording performance so professionally proficient that the standards defining cameras of distinction will never be the same.

- The world's fastest<sup>\*1</sup> AF speed (0.05 sec.<sup>\*1</sup>) captures climactic moments
- The world's highest number<sup>\*2</sup> (425<sup>\*2</sup>) of AF points widely cover subject movement
- New High-density Tracking AF Technology intelligently tracks subjects in motion
- High-speed continuous shooting up to 11fps (up to 8fps for live-view with minimal lag)
- The newly developed APS-C Exmor™ CMOS sensor with 24.2 megapixels<sup>\*3</sup> plus BIONZ X™ image processor
- 4K movie recording featuring full pixel readout without pixel binning for the ultimate resolution
- S-Gamut/S-Log, Full HD 120fps high-speed shooting, and other movie functions support professional workflow
- XGA OLED Tru-Finder™ with 120fps viewfinder frame rate displays action smoothly for easier tracking
- Full magnesium alloy body designed with dust and moisture resistance<sup>\*4</sup> and robust lens mount
- Wi-Fi/NFC™/QR code functions for easy image file transfer and remote control
- Compatible with PlayMemories Camera Apps™ download service from Sony

<sup>\*1</sup> Among interchangeable-lens digital cameras equipped with an APS-C image sensor as of February 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 interchangeable-lens digital cameras as of February 2016, based on Sony research.

<sup>\*3</sup> Approximate effective megapixels.

<sup>\*4</sup> Dust and moisture resistance does not guarantee that absolutely no dust and water will be able to enter the body. For FE lens only.

**NEW** in this guide marks an advancement over the α6000 model.



FE 70-200mm F4 G OSS (SEL70200G), 1/1000 sec., F4, ISO 400

# Focusing freedom in highest gear

## The evolution of 4D FOCUS accelerates

Without spectacular focus, you lose your edge. So raise your sights, with Sony driving autofocus to new heights of innovation.

At the forefront of this progress is 4D FOCUS, extending phase-detection AF point coverage, increasing AF speed

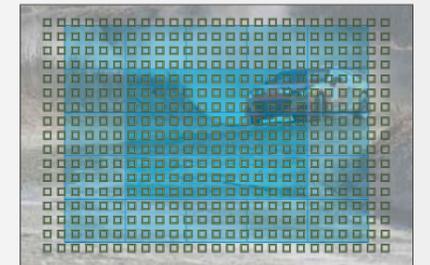
and incorporating new High-density Tracking AF Technology. With autofocus and motion tracking this quick, smooth and precise, it's never been so exciting to capture fleeting climaxes in stunningly detailed sequences of images that leave the rest behind.



FE 70-200mm F4 G OSS (SEL70200G), 1/1250 sec., F4, ISO 100

## Wide 425 / World's highest number\* of AF points **NEW**

The  $\alpha$ 6300 is supremely accurate and reliable at capturing subjects in clear focus wherever they move within the frame. After all, it has the world's highest number\* (425\*) of focal plane phase-detection AF points widely and densely positioned throughout the image area.



- 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.)

\* Among interchangeable-lens digital cameras as of February 2016, based on Sony research.

## Fast 0.05 sec. / World's fastest\* AF speed **NEW**

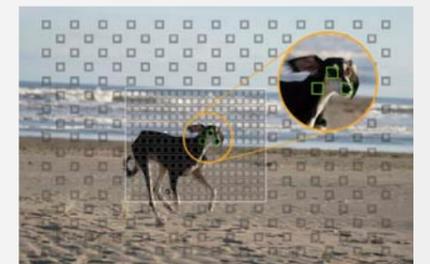
The  $\alpha$ 6300 achieves the world's fastest\* (0.05 sec.\*) AF speed with the enhanced Fast Hybrid AF's integrated autofocusing performance and the uncanny efficiency of the BIONZ X image processing engine to handle so much information with astonishing accuracy.



\* Among interchangeable-lens digital cameras equipped with an APS-C image sensor as of February 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.

## Steadfast High-density Tracking AF Technology **NEW**

For supremely reliable accuracy and tracking stability, new 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  $\alpha$ 6000. Only 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)



300mm F2.8 G SSM II (SAL300F28G2), 1/640 sec., F4, ISO 100

### High-speed continuous shooting with AF/AE tracking NEW

Clearly capture high points of action at extra-high speed, according to your intention. For the sense of immediacy you get when shooting with an optical viewfinder, monitor what you're shooting with minimal lag on the electronic viewfinder or LCD screen by choosing live-view

continuous shooting at up to 8fps. Or go with 11fps continuous shooting for extra assurance of sharp climactic shots. AF/AE tracking performance is incomparably fast, adaptable and nimble with every continuous shooting option.



### Focal plane phase-detection AF for A-mount lenses NEW

The  $\alpha$ 6300 offers 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 high-speed response and high tracking performance even when shooting with an A-mount lens.

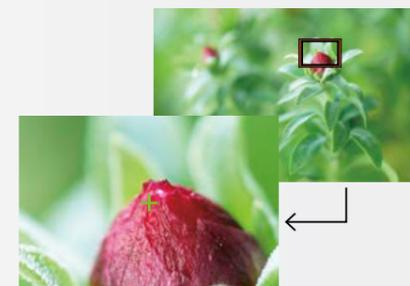
\*A-mount lenses with SSM or SAM only. You can choose phase-detection AF or contrast-detection AF in AF System menu.

### AF in Focus Magnifier NEW

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.

### Silent Shooting NEW

Release the shutter without a sound when silence is required, as when shooting wildlife, even when continuous shooting with AF/AE tracking is engaged. For quicker access, assign Silent Shooting mode to a customizable button.



### Expand Flexible Spot NEW

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.



### Eye AF in AF-C mode NEW

Eye AF is now available in AF-C mode in this camera. This means it automatically focuses on and even

tracks focus on a subject's eye, as the face moves, extending your freedom to frame a shot.



FE 70-200mm F4 G OSS (SEL70200G), 1/400 sec., F8, ISO 200

## Inside imaging innovation

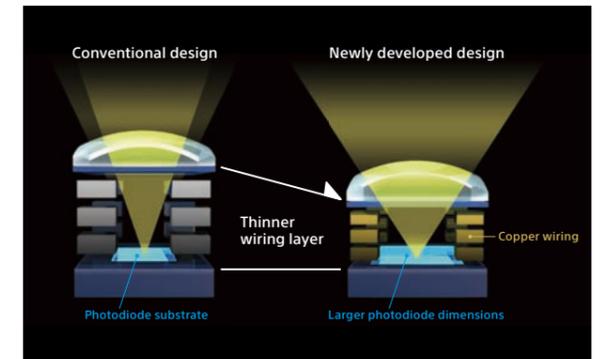


### 24.2-megapixel APS-C Exmor CMOS sensor **NEW**

A new 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 accelerates 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.

\* Expandable up to ISO 51200 for stills and up to ISO 25600 for movies.



### BIONZ X image processing engine

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

low noise levels, and more detailed texture depiction, particularly in the mid-to-high ISO range, in still and movie images.



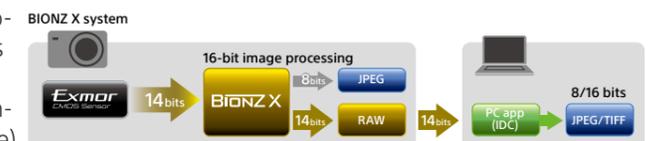
ISO 1600



ISO 6400

### 14-bit RAW output **NEW**

For RAW recording, 14-bit RAW output and 16-bit image processing help preserve maximum detail and produce images of the highest quality with rich tonal gradations. The 14-bit RAW (Sony ARW) format ensures optimal quality for later image adjustment (via Image Data Converter or other software).



# Unleash the ultimate movie star quality

**4K**  
3840 x 2160



## See the ultimate high resolution in 4K movies **NEW**

The **α6300** records high-resolution 4K movies 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\* (6K equivalent) as much information as is required for 4K (QFHD: 3840 x 2160) movie output. This oversampling effect ultimately gives 4K images the realistic depth and dimension that you might experience when witnessing the actual scene.



\* Approx. 1.6 times at 30p recording.

## Enhanced Fast Hybrid AF for movies **NEW**

Now, this extra-dense phase-detection AF point coverage makes movie autofocus exceptionally precise and is up to two times faster than its predecessor, so it's especially valuable for 4K movie recording. Moreover, the **α6300** features 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.



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

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

## High-bit-rate XAVC S\* format

**XAVC S**

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.

## S-Gamut/S-Log shooting **NEW**

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 whiteout and blackout. The **α6300** even offers impressive 14-stop latitude in S-Log3 gamma setting. The camera also supports S-Gamut, S-Gamut3, and S-Gamut3. Cine color space from Sony.

\*S-Log2 and S-Log3 are premised on processing pictures.



## Picture Profile **NEW**

Pre-assign a certain look to movies before shooting by fine-tuning gradation (Black Level, Gamma, Black Gamma, Knee), color adjustment (Color Mode, Saturation, Color Phase, Color Depth) and Detail. Save and recall up to nine profiles of adjusted parameters with other settings, including S-Gamut3.Cine/S-Log3 and S-Gamut3/S-Log3.

## Gamma Display Assist **NEW**

This function lets you view images with natural contrast while recording in S-Log gamma setting, converting S-Log2 and S-Log3 into ITU709 (800%) gamma for monitoring\* images, or checking focus while enlarging an image on the LCD screen or viewfinder.

\* Gamma Display Assist is not available for monitoring on external displays and television sets.

## Enhanced Zebra function **NEW**

Simplify exposure monitoring, especially when shooting in S-Log gamma setting. Target a video signal brightness level from 0-109%, set a range between +10% and -10% of that value, and zebra pattern indicates areas with that level of exposure within that range. New minimum brightness level setting reliably warns you to avoid blown-out high-lights.



## Full HD 120fps shooting and 4x/5x slow motion recording **NEW**

You can shoot high-quality Full HD\* footage, even in Full HD 120fps (100fps) high-speed shooting with a high bit rate up to 100Mbps. Otherwise, the camera can record 4x/5x slow motion movies internally when the frame rate is set at 30p (25p) or 24p.

\* Pixels to be read are limited to the sensor area that is required for Full HD movies.

### Record setting and playback speed

High Frame Rate Recording setting	Image size	Playback speed
30p/16Mbps	Full HD 1920 x 1080	4x slow motion movie
24p/12Mbps	Full HD 1920 x 1080	5x slow motion movie

## Time code / User bit **NEW**

Time code and User bit can be added to movies as data elements. Time code function records hours/minutes/seconds/frames on image data for precise advanced video editing. User bit function records information such as date/time/scene number, and is useful for editing movies using two or more cameras.

## 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.

## Microphone terminal for clear sound and more **NEW**

In addition to plug-in microphones, the camera supports 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.



# Rock-solid and ready for everything

## Extra-smooth XGA OLED Tru-Finder NEW

High-contrast, high-resolution XGA OLED Tru-Finder is newly employed, offering high visibility and fine details in dark areas and color reproduction.

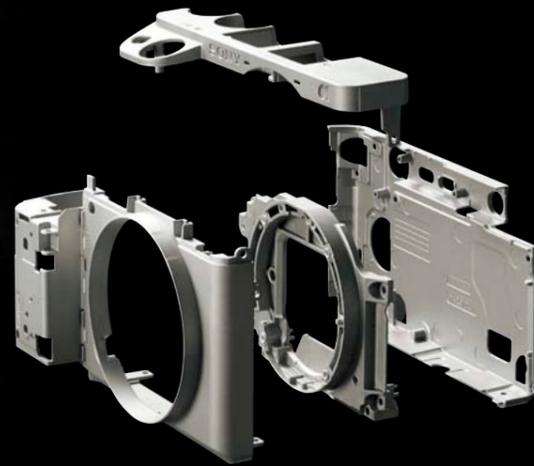
**XGA OLED**  
Tru-Finder



The **α6300** also introduces an additional mode to display at 120fps (100fps), so you can see actions smoothly and track easily.

## Tough magnesium alloy body NEW

With internal frames, rear cover, top cover and front cover constructed of magnesium alloy, the robust, rigid, light body of the **α6300** is stronger than that of its predecessors. Designed for solid reliability and steady handling, this compact form readily withstands the rigors of shooting in the field.



## 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 camera's 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.



## Easy button customization

The **α6300** has nine customizable buttons to which you can assign functions for shooting and playback. 64 functions are assignable for more intuitive, quick, easy shooting\*.

\* Some functions can only be assigned to certain buttons.



## Power supply via USB NEW

Camera operation can be powered via USB connection to a PC or 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.



## Dust and moisture resistance NEW

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: This camera is designed for optimal dust and moisture resistance, but is not waterproof or splashproof. For FE lens only.



## Robust lens mount NEW

The strength and rigidity of the 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.



## Enhanced grip and shutter button NEW

The grip is refined in shape and height for you to grasp the camera more securely, even when a large lens is mounted, and enjoy more assured operation of the shutter release button and Mode dial.



# Connect to a world of fun

## Go more mobile NEW

With Wi-Fi/NFC/QR code capabilities, the **α6300** can be coupled with mobile devices for quick, easy sharing of footage and camera views as well as convenient remote control options. The camera also introduces QR code compatibility for easy connection with non-NFC smartphones.



## PlayMemories Camera Apps

[www.sony.net/pmca](http://www.sony.net/pmca)

This application download service lets you add new functions to your camera's feature set, so you can express more of your creativity in photographs. Time-lapse for recording and combining images shot

at chosen intervals, Smart Remote Control for controlling various settings from a smartphone or tablet, and new Sky HDR (high-dynamic-range imaging) are just some of many wonderful apps to choose from.

Note: Requires a valid Sony Entertainment Network account. Some apps require a fee. Availability of PlayMemories Camera Apps and each app varies according to country or region.



## PlayMemories Home™



It's easy to install this image management software onto a Windows or Mac computer, then use it for easy viewing, editing and printing. You can also upload and share content via network services.



Note: Features are different on Mac and Windows versions.

## Capture One Express (for Sony)

Take advantage of this RAW converter that you can download for free from Phase One. Not only is it great for rendering colors and details with incredible precision – it also features flexible digital asset management, all essential adjustment tools, and fast, responsive performance in one convenient, customizable, integrated solution.



\* Please direct all inquiries on purchase, usage and support on Capture One solutions to Phase One.

## Controls



## More precise white balance adjustment NEW

The **α6300** offers more white balance adjustment steps (twice as many on the amber-blue axis; four times as many on the green-magenta axis) than the **α6000**, so you can finely tune white balance with more subtle precision for more natural colors.

## Multi Frame NR (Noise Reduction)

This mode composites four shots to significantly suppress noise and raise sensitivity, letting you clearly capture dark scenes without a tripod or flash. Also, it reduces camera shake blur, and improves contrast and depiction of detail.

## 1200-zone Evaluative Metering

Ample data from 1200-zone metering and focal plane phase-detection AF points allows for more precise control of light volume from an external flash used to complement ambient light. Choose Multi-segment, Center weighted or Spot metering mode.

## Auto HDR (High Dynamic Range)

Auto HDR composites the best details from three exposures to expand the dynamic range of your images from darkest shadows to brightest highlights and capture all the tonal gradations seen by your naked eye.

## Image Data Converter

Advanced features enable you to convert, manipulate and manage full-resolution RAW images. You can expertly adjust exposure, white balance, tonal curves, saturation, contrast, hue and sharpness, as well as apply DRO and vignetting compensation.

## D-range Optimizer (DRO)

In difficult lighting situations, DRO corrects your images to achieve smoother, more natural gradations with more detail in highlights and shadows. You can use DRO during continuous shooting and when photographing moving subjects.

## Focus Magnifier & Peaking function

Autofocus is effortless, but you can also clearly magnify the image to simplify manual fine-tuning of focus when shooting still images or movies. The Peaking function can also be activated to colorize the most sharply focused areas of your image for quick confirmation.

## Bright Monitoring NEW

This function that boosts image brightness by changing shutter speed, for example, can be assigned to a customizable button for easy access when shooting a starry sky or other dark scene.

## ISO Auto Minimum Shutter Speed NEW

Prevent blur in a shot of a moving subject by setting a shutter speed at which ISO sensitivity starts changing when ISO AUTO (while in P or A mode, or in Multi Frame NR) is selected.

## Clear Image Zoom

Whether shooting still images or movies, this feature digitally zooms the center of your image up to 2x with nearly imperceptible degradation, thanks to proprietary By Pixel Super Resolution Technology.

Number of recordable frames for single media  
(Memory Stick PRO Duo, Image size L 24M, aspect ratio 3:2)

	8GB	16GB	32GB	64GB
Standard	1,300	2,700	5,400	10,500
Fine	820	1,650	3,300	6,600
Extra fine	405	810	1,600	3,250
RAW & JPEG	215	435	880	1,750
RAW	295	600	1,200	2,400

Movie recording time for single media  
(Hours:Minutes:Seconds)

		16GB	32GB	64GB	128GB
XAVC S 4K	30p/25p, 100M	0:15:00	0:35:00	1:15:00	2:35:00
XAVC S 4K	30p/25p, 60M	0:30:00	1:00:00	2:05:00	4:15:00
XAVC S 4K	24p, 100M	0:15:00	0:35:00	1:15:00	2:35:00
XAVC S 4K	24p, 60M	0:30:00	1:00:00	2:05:00	4:15:00
XAVC S HD	60p/50p, 50M	0:35:00	1:15:00	2:35:00	5:10:00
XAVC S HD	30p/25p, 50M	0:35:00	1:15:00	2:35:00	5:10:00
XAVC S HD	120p/100p, 100M	0:15:00	0:35:00	1:15:00	2:35:00
XAVC S HD	120p/100p, 60M	0:30:00	1:00:00	2:05:00	4:15:00
XAVC S HD	30p/25p, 16M (High Frame Rate)	0:25:00	0:55:00	1:55:00	3:55:00
XAVC S HD	24p, 12M (High Frame Rate)	0:25:00	0:55:00	1:55:00	3:55:00
AVCHD	60i/50i, 24M (FX)	1:25:00	3:00:00	6:00:00	12:05:00
AVCHD	60i/50i, 17M (FH)	2:00:00	4:05:00	8:15:00	16:35:00
AVCHD	60p/50p, 28M (PS)	1:15:00	2:30:00	5:05:00	10:15:00
AVCHD	24p/25p, 24M (FX)	1:25:00	3:00:00	6:00:00	12:05:00
AVCHD	24p/25p, 17M (FH)	2:00:00	4:05:00	8:15:00	16:35:00
MP4	60p/50p, 28M	1:15:00	2:35:00	5:20:00	10:40:00
MP4	30p/25p, 16M	2:00:00	4:10:00	8:25:00	16:55:00
MP4	1280 x 720, 30p/25p, 6M	5:20:00	10:55:00	22:00:00	44:10:00

• Recommended memory cards for movie recording in AVCHD/MP4 formats: Memory Stick PRO Duo (Mark2), Memory Stick PRO-HG Duo, SD memory card/SDHC memory card/SDXC memory card (Class 4 or more)  
• Recommended memory card for movie recording in XAVC S format: SDHC memory card/SDXC higher than Class 10  
• The numbers in the table show approximate maximum recordable time obtained by totaling all movie files.  
• AVCHD movies are automatically divided into separate files up to a maximum of 2GB each.



# Explore higher perspectives

**Lenses** <http://www.sony.net/Products/di/en-gb/products/lenses/>

## See the real potential of your camera body with G Master™ series lenses

High resolution and spectacular bokeh come together in lenses that maximize camera body performance now and into the future. Tomorrow's lenses today, from Sony.



### E-mount APS-C lenses

**E-mount APS-C lenses**

- E 16mm F2.8 (SEL16F28)
- E 35mm F1.8 OSS (SEL35F18)
- E PZ 18-105mm F4 G OSS (SELP18105G)
- Fisheye Converter (VCL-ECF1)
- E 50mm F1.8 OSS (SEL50F18)
- E 18-200mm F3.5-6.3 OSS (SEL18200)
- Ultra Wide Converter (VCL-ECU1)
- E 10-18mm F4 OSS (SEL1018)
- E 18-200mm F3.5-6.3 OSS LE (SEL18200LE)
- E 20mm F2.8 (SEL20F28)
- E PZ 16-50mm F3.5-5.6 OSS (SELP1650)
- E PZ 18-200mm F3.5-6.3 OSS (SELP18200)
- Sonnar T\* E 24mm F1.8 ZA (SEL24F18Z)
- Vario-Tessar T\* E 16-70mm F4 ZA OSS (SEL1670Z)
- E 30mm F3.5 Macro (SEL30M35)
- E 18-55mm F3.5-5.6 OSS (SEL1855)
- E 55-210mm F4.5-6.3 OSS (SEL55210)

### E-mount Full frame lenses

**E-mount Full frame lenses**

- FE 28mm F2 (SEL28F20)
- Vario-Tessar T\* FE 16-35mm F4 ZA OSS (SEL1635Z)
- Ultra Wide Converter (SEL075UWC)
- Vario-Tessar T\* FE 24-70mm F4 ZA OSS (SEL2470Z)
- Fisheye Converter (SEL057FEC)
- FE 24-240mm F4.5-5.6 OSS (SEL24240)
- Distagon T\* FE 35mm F1.4 ZA (SEL35F14Z)
- FE 28-70mm F3.5-5.6 OSS (SEL2870)
- Sonnar T\* FE 35mm F2.8 ZA (SEL35F28Z)
- FE PZ 28-135mm F4 G OSS (SELP28135G)
- Sonnar T\* FE 55mm F1.8 ZA (SEL55F18Z)
- FE 90mm F2.8 Macro G OSS (SEL90M28G)
- FE 70-200mm F4 G OSS (SEL70200G)

### 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.)\*

\* For details on adaptor compatibility and usage limitations, please see Sony Support reference on back cover.



**Flash Units / Flash Accessories**

- Flash HVL-F60M
- Flash HVL-F43M
- Flash HVL-F32M
- Flash HVL-F20M
- Off Camera Shoe FA-CS1M
- External Battery Adaptor FA-EB1AM
- Multi Flash Cable FA-MC1AM
- Extension Cable FA-EC1AM

**Lights / Microphones / Monitor / Bracket**

- Battery Video IR Light HVL-LE1R1
- Ring Light HVL-RL1
- Battery Video Light HVL-LE1
- Clip-on LCD Monitor CLM-FHDS
- Bracket VCT-55LH

**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
- MC Protectors VF-405MP / 49MPAM / 55MPAM / 62MPAM / 67MPAM / 72MPAM / 77MPAM
- Body Cap ALC-B1EM
- Rear Lens Cap ALC-R1EM
- Soft Carrying Case (for lens) LCS-BBM, LCS-BBL, LCS-BBXL, LCS-FEA1

**Mount Adaptors**

- Mount Adaptor LA-EA4
- Mount Adaptor LA-EA3

**Cases & Straps**

- Body Case LCS-EBE
- 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

**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
- Eye-piece Cup FDA-EP16
- Screen Protect Semi-Hard Sheet PCK-LM15
- 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
- Memory Stick