

Main specifications of **α7S II**

General	
Camera type	Interchangeable-lens digital camera
Lens mount	E-mount
Image sensor	
Type	35mm full frame (35.6 x 23.8mm), <i>Exmor</i> CMOS sensor
Number of pixels (effective)	Approx. 12.2 megapixels
Number of pixels (total)	Approx. 12.4 megapixels
Image sensor aspect ratio	3:2
Anti-dust system	Charge protection coating on optical filter and image sensor shift mechanism
Recording system (still images)	
Recording format	JPEG (DCF Ver. 2.0, Exif Ver. 2.3, MPF baseline compliant), RAW (Sony ARW 2.3 format)
	35mm full frame L: 4240 x 2832 (12M), M: 2768 x 1848 (5.1M), S: 2128 x 1416 (3.0M) APS-C L: 2768 x 1848 (5.1M), M: 2128 x 1416 (3.0M), S: 1376 x 920 (1.3M)
Image size (pixels)	16:9 aspect ratio
	35mm full frame L: 4240 x 2384 (10M), M: 2768 x 1560 (4.3M), S: 2128 x 1200 (2.6M) APS-C L: 2768 x 1560 (4.3M), M: 2128 x 1200 (2.6M), S: 1376 x 776 (1.1M)
	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, JPEG Extra fine, JPEG Fine, JPEG Standard
RAW output	14 bit
Uncompressed RAW	Yes
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
	XAVC S: MPEG-4 AVC/H.264 AVCHD: MPEG-4 AVC/H.264
Video compression	MP4: MPEG-4 AVC/H.264
	XAVC S: LPCM, 2ch AVCHD: Dolby Digital (AC-3), 2ch, Dolby Digital Stereo Creator
Audio recording format	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, 60p/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)
Image size (pixels)	NTSC
	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) AVCHD: 1920 x 1080 (50p/28Mbps/PS, 50i/24Mbps/FX, 50i/17Mbps/FH, 25p/24Mbps/FX, 25p/17Mbps/FH)
	PAL
	MP4: 1920 x 1080 (50p/28Mbps, 25p/16Mbps), 1280 x 720 (25p/6Mbps) NTSC 1920 x 1080 (24p/12Mbps, 30p/16Mbps) PAL 1920 x 1080 (25p/16Mbps)
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, Cine-1, ITU709, ITU709 [800%], S-Log2, S-Log3), Black Gamma, Knee, Color Mode (Movie, Still, Cinema, Pro, ITU709 Matrix, White&Black, S-Gamut3, 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	xyYCC 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	<i>Memory Stick PRO Duo</i> , <i>Memory Stick PRO-HG Duo</i> , <i>Memory Stick Micro (M2)</i> , 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 <i>Memory Stick Duo</i> / 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 409600
White balance	
	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, S7 steps, A7 to B7; 29 steps) / Custom / Underwater
Modes	
AWB macro adjustment	G7 to M7 (57 steps), A7 to B7 (29 steps)
Bracketing	3 frames, H/L selectable
Focus system	
Type	Contrast-detection AF
Focus point	169 points (contrast-detection AF)
Focus point	EV -4 to EV 20 (at ISO 100 equivalent with F2.0 lens attached)
Sensitivity range	AF modes
	Single-shot AF (AF-S), Continuous AF (AF-C), Direct Manual Focus (DMF), Manual Focus
AF area	Wide (169 points for contrast-detection AF) / Center / Flexible Spot (S/M/L) / Zone / Expand Flexible Spot / Lock-on AF (Wider / Zone / Center / Flexible Spot (S/M/L) / Expand Flexible Spot)
Other features	Lock-on AF, Eye AF, 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	<i>Exmor</i> CMOS sensor
Metering sensitivity	EV -3 to EV 20 (at ISO 100 equivalent with F2.0 lens attached)
Metering modes	Multi-segment, Center-weighted, Spot
Exposure modes	Auto (iAuto, 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), with exposure compensation dial: +/-3.0 EV (in 1/3 EV steps)
AE bracketing	Bracket: Single/Bracket: Cont., 3/5/9 frames selectable. With 3 or 5 frames, in 1/3, 1/2, 2/3, 1.0, 2.0 or 3.0 EV increments, with 9 frames, in 1/3, 1/2, 2/3 or 1.0 EV increments.
AE lock	Available with AE lock button. Locked when shutter button is pressed halfway. Can be disabled from the Menu.
ISO sensitivity (Recommended Exposure Index)	Still images: ISO 100-102400 (expandable to ISO 50-409600), AUTO (ISO 100-12800, selectable lower limit and upper limit), Movies: ISO 100-102400 equivalent (expandable to ISO 100-409600 equivalent), AUTO (ISO 100-12800 equivalent, selectable lower limit and upper limit)
Viewfinder	
Type	XGA OLED, 1.3cm (0.5 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. 0.78x (with 50mm lens at infinity, -1m ⁻¹)
Dioptr adjustment	-4.0 to +3.0m ⁻¹
Eye point	Approx. 23mm from the eyepiece lens, 18.5mm from the eyepiece frame at -1m ⁻¹ (CIPA standard)

Display	Graphic Display / Display All Info. / No Disp. Info. / Histogram / Digital Level Gauge
Real-time image-adjustment display	On/Off
LCD screen	
Type	7.5cm (3.0 type) TFT drive
Total number of dots	1,228,800 dots
Brightness control	Manual (5 steps between -2 and +2), Sunny Weather mode
Adjustable angle	Up approx. 107 degrees, down approx. 41 degrees
Display selector (Finder/LCD)	Auto/Manual
Display	Graphic Display / Display All Info. / No Disp. Info. / Histogram / Digital Level Gauge / Shooting information for viewfinder mode
Real-time image-adjustment display	On/Off
Focus magnifier	35mm full frame: 4.2x, 8.3x, APS-C: 2.7x, 5.4x
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 M: Approx. 1.5x, S: Approx. 2.0x
Digital zoom	Digital zoom (still images) Approx. 4x Digital zoom (movies) Approx. 4x
Play/Memories Camera Apps	Yes
Lens compensation	Peripheral shading, chromatic aberration, distortion
Zoom Ring Rotate	Yes
Shutter	
Type	Electronically controlled, vertical-traverse, focal-plane type
Shutter speed	Still images: 1/8000 to 30 sec., Bulb Movies: 1/8000 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	1/250 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)
Compensation effect	4.5 stops (Based on CIPA standard. Pitch/Yaw shake only. With Sonnar T* FE 55mm F1.8 ZA lens mounted. Long exposure NR off)
Flash Control (with optional external flash)	
Control	Pre-flash TTL
Flash compensation	+/-3.0 EV (switchable between 1/3 and 1/2 EV steps)
Flash bracketing	3/5/9 frames selectable. With 3 or 5 frames, in 1/3, 1/2, 2/3, 1.0, 2.0, 3.0 EV increments, with 9 frames, in 1/3, 1/2, 2/3, 1.0 EV increments.
Flash modes	Flash off, AutoFlash, Fill-flash, Rear Sync., Slow Sync., Red-eye reduction (On/Off selectable), Hi-speed sync [*] , Wireless [*]
External flash	Sony α System Flash compatible with Multi Interface Shoe. Attach the shoe adaptor for flash compatible with Auto-lock Accessory Shoe.
FE level lock	Yes
Drive	
Drive modes	Single shooting, Continuous shooting, Speed Priority Continuous shooting, Self-timer, Self-timer (Cont.), Bracketing (Cont., Single, White Balance, DR0)
Self-timer	10 sec. delay/5 sec. delay/2 sec. delay/Continuous self-timer (3 frames after 10 sec. delay/5 frames after 10 sec. delay/3 frames after 5 sec. delay/5 frames after 5 sec. delay/3 frames after 2 sec. delay/5 frames after 2 sec. delay)/Bracketing self-timer (Off/2 sec. delay/5 sec. delay/10 sec. delay)
Speed (approx., max.) ²	Speed Priority Continuous shooting: Max. 5fps, Continuous shooting: Max. 2.5fps Speed Priority Continuous shooting: 64 frames (JPEG Extra Fine L), 200 frames (JPEG Fine L), 200 frames (JPEG Standard L), 31 frames (RAW), 26 frames (RAW & JPEG), 24 frames (RAW (Uncompressed)), 24 frames (RAW (Uncompressed)) & JPEG Continuous shooting: 100 frames (JPEG Extra Fine L), 200 frames (JPEG Fine L), 200 frames (JPEG Standard L), 59 frames (RAW), 34 frames (RAW & JPEG), 29 frames (RAW (Uncompressed)), 28 frames (RAW (Uncompressed)) & JPEG
Playback	
Modes	Single (with or without shooting information, Y RGB histogram & highlight/shadow warning), 9/25-frame index view, Enlarged display mode (Maximum magnification L: 13.3x, M: 8.7x, S: 6.7x), Auto Review (10/5/2 sec. off), Image orientation (Auto/Manual/Off selectable), Slideshow, Panorama scrolling, Folder selection (Still / Date / MP4 / AVCHD / XAVC S HD / XAVC S 4K), Forward/Rewind (Movie), Delete, Protect
Interface	
PC interface	Mass-storage, MTP, PC remote
Multi / Micro USB terminal	Yes ³
Wireless LAN (built-in)	Wi-Fi Compatible, IEEE802.11b/g/n (2.4GHz band) ⁴ Playback of still images and movies on smartphones, PCs and TVs
NFC ⁵	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	Auto-lock Accessory Shoe compatible with supplied shoe adaptor, Microphone terminal (3.5mm Stereo minijack), Headphone terminal (3.5mm Stereo minijack), Vertical Grip Connector
Audio	
Microphone	Built-in stereo microphone or ECM-XYSTIM / XLR-K2M (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 (2 sets)
Power	
Battery	Rechargeable battery pack NP-FW50
Still images	Approx. 310 shots (viewfinder) / Approx. 370 shots (LCD screen) (CIPA standard)
Movies	Actual ^{6,7} : Approx. 55 min. (viewfinder) / Approx. 60 min. (LCD screen) (CIPA standard) Continuous ⁷ : Approx. 95 min. (viewfinder) / Approx. 100 min. (LCD screen) (CIPA standard)
External power	AC Adaptor AC-PW20 (optional)
Weight	
With battery and Memory Stick PRO Duo	Approx. 627g (approx. 1 lb 6.1 oz.)
Body only	Approx. 584g (approx. 1 lb 4.6 oz.)
Dimensions	
W x H x D (excluding protrusions)	Approx. 126.9 x 95.7 x 60.3mm (approx. 5 x 3 7/8 x 2 3/8 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} 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.

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

SONY

Interchangeable-lens digital camera



α7S II

Sony World Photography Awards

For more details, visit the website at: www.worldphoto.org

You can check the computer requirements for the software at: www.sony.net/pcenv/

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- Android, Google Play and Google Play logo are trademarks or registered trademarks of Google Inc.
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- All other company names mentioned herein are used for identification purposes only and may be the trademarks or registered trademarks of their respective owners.
- "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.

Enter the exciting world of Sony α products through a Library, the new photography-themed application for tablets.



Go to Google Play for Android Tablet. For iPad, go to App Store. Then search for "sony α library".

Sony | Photo Galley:

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



Sony | Camera Channel:

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



α7s II

Full-frame, palm-sized α. Sensitivity mastered.

Witness the world with a fresh sense of wonder. Ultra-high sensitivity up to ISO 409600^{*1} captures low-noise stills and movies, while a wide dynamic range extends your power of expression of every shot. These capabilities combine with 5-axis image stabilization to expand the range of shutter speeds available for shooting in bright and dark environments. So you have greater freedom to set exposure as you like, even during handheld shooting. Internal recording of 4K movies in full-frame format featuring full pixel readout^{*2} without pixel binning along with abundant movie functions and extra-fast, precise AF also complement the camera's sensitivity to let you capture still and movie images as never before.

The new α7S II. Gain mastery of every brilliant moment.

- Ultra-high sensitivity up to ISO 409600^{*1} and wide dynamic range for stills and movies, thanks to the 35mm full-frame Exmor™ CMOS sensor with 12.2 megapixels^{*3}
- 4K (QFHD: 3840 x 2160) movie recording in full-frame format featuring full pixel readout^{*2} without pixel binning for higher image quality and a wide range of professional video functions
- 5-axis optical image stabilization extends the expressive potential of still and movie images
- Fast Intelligent AF with enhanced speed and accuracy performs reliably in light as low as EV -4
- XGA OLED Tru-Finder™ with ZEISS® T* Coating features the world's highest^{*4} viewfinder magnification of 0.78x
- Ultra-compact, lightweight and robust body for comfortable pro-style operation
- Supports 14-bit uncompressed RAW format
- Wi-Fi/NFC™ functions
- PlayMemories Camera Apps™

^{*1} Standard ISO range: 100-102400 for stills and movies. Expandable ISO range: 50-409600 for stills, 100-409600 for movies.

^{*2} In 30p (25p)/24p movie setting.

^{*3} Approximate effective megapixels.

^{*4} Among digital still cameras. The viewfinder magnification is approx. 0.78x (with 50mm lens at infinity, -1m⁻¹). As of September 2015 based on Sony research.





500mm F4 G SSM (SAL500F40G), 1/2500 sec., F11, ISO 3200



FE 90mm F2.8 Macro G OSS (SEL90M28G), 25 sec., F8, ISO 3200



α
7s

Gain power to expand your expressive potential

Spectacular sensitivity — up to ISO 409600*, with wide dynamic range

Capturing your vision requires superior sensitivity to reveal the subtle nuances of a situation. With enhanced imaging of ultra-high sensitivity up to ISO 409600* and extra-wide dynamic range, the α7S II can

record scenes in spectacular detail, from shadows to highlights, in virtually any light. The remarkable clarity and lack of noise in stills and movies go far toward realizing better image results than you may have imagined.

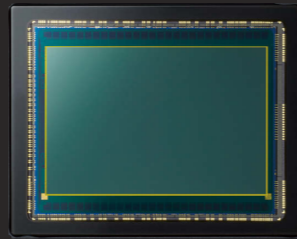
* Standard ISO range: 100-102400 for stills and movies. Expandable ISO range: 50-409600 for stills, 100-409600 for movies.

Exmor
CMOS Sensor

Extra sensor perception — 35mm full-frame Exmor CMOS sensor

Capture still images and movies with unprecedented subtlety and gradation of detail. The 35mm full-frame Exmor 12.2-megapixel¹ image sensor achieves a wide dynamic range with very low noise throughout its unrivalled ISO 50-

409600² sensitivity range. Large pixels and gapless on-chip lens structure are among its extra-efficient light capturing characteristics that allow use of extra-high shutter speeds for low-light shooting.



Sony is the world's No. 1 manufacturer of image sensors for digital cameras and video recorders (based on Sony research from April 2014 to March 2015 that shows Sony has a 50% market share).

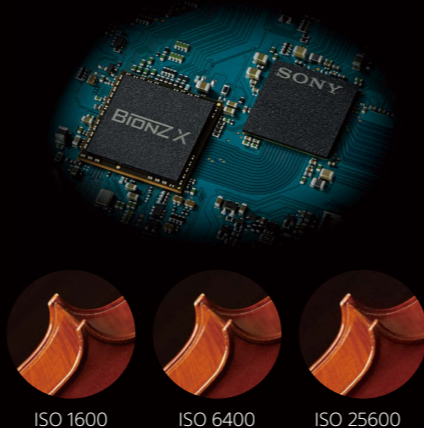
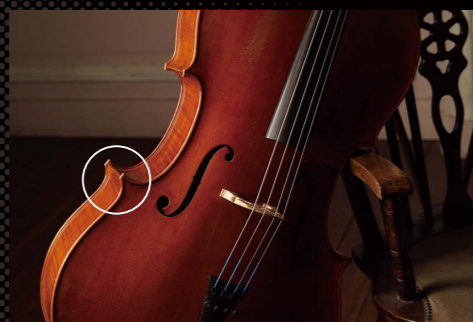
¹ Approximate effective megapixels.

² Standard ISO range: 100-102400 for stills and movies. Expandable ISO range: 50-409600 for stills, 100-409600 for movies.

BIONZ X

Finely tuned with improved algorithm — BIONZ X™ image processing engine

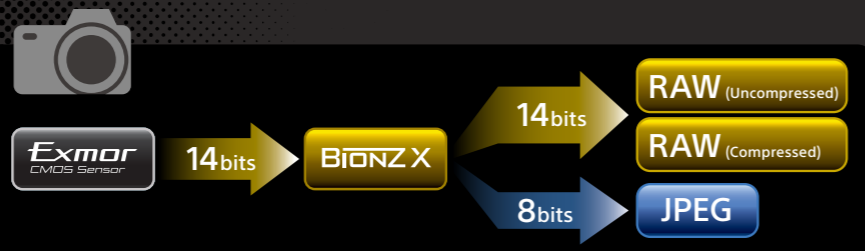
The upgraded image processing algorithm of the BIONZ X maximizes the Exmor sensor's capabilities and improves depiction throughout every range of sensitivity, especially the mid-to-high range. In producing stills and movies of extra-fine detail with minimal noise, this image processing engine drives picture quality to new heights.



ISO 1600 ISO 6400 ISO 25600

For finer tonal gradation — supports 14-bit uncompressed RAW format **NEW**

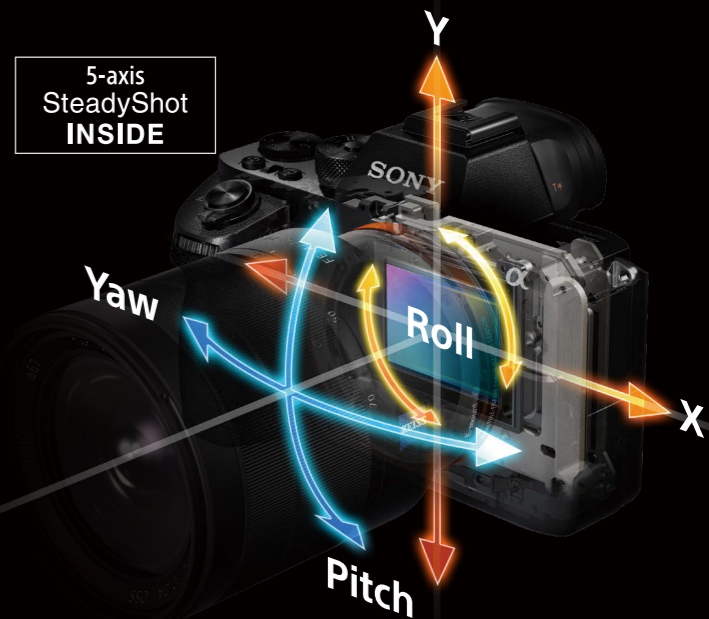
New compatibility with 14-bit uncompressed RAW format brings you capability to choose the optimal format for your needs. The camera thereby ensures supreme quality of tonal gradation to maximize the benefit of the image sensor's wide dynamic range.



5-axis optical image stabilization **NEW**

Equivalent to using a 4.5-stop* faster shutter speed, this system compensates for five types of camera shake that can compromise handheld shots, so you can zoom in on faraway subjects, and capture close-ups and night scenes with minimal blur. The camera's extraordinary light sensitivity and image stabilization let you use a greater range of shutter speed/ISO/aperture settings to express your vision. The 5-axis image stabilization is effective for shooting even handheld movies with superior stability under all conditions.

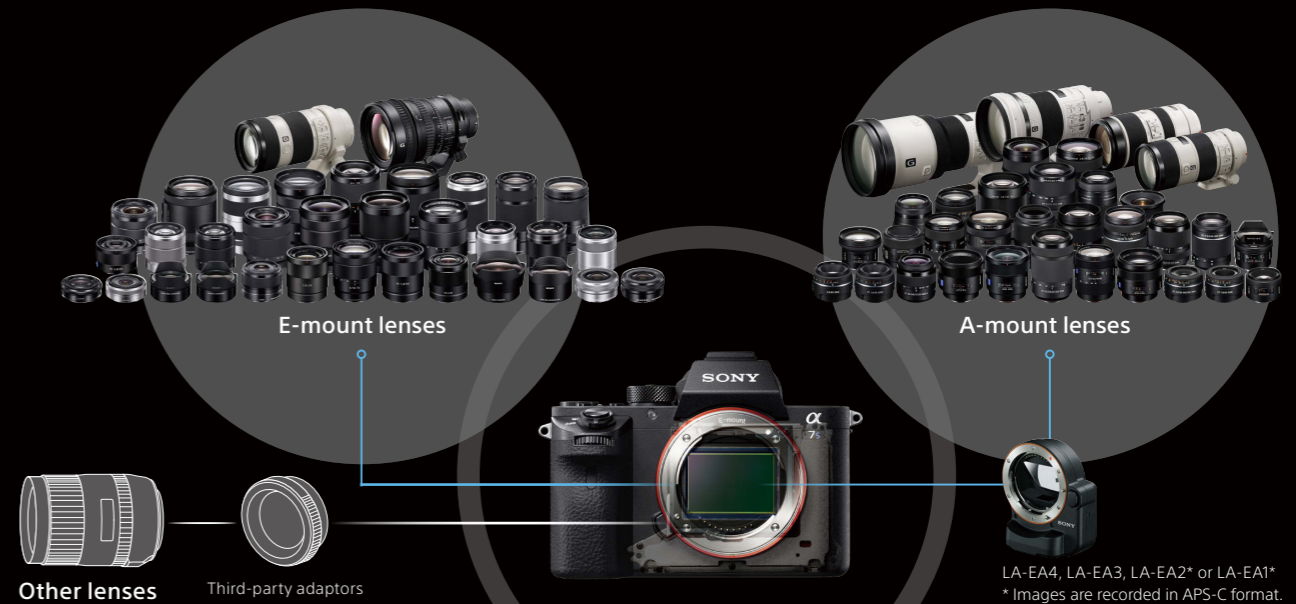
* Based on CIPA standard. Pitch/Yaw shake only. With Sonnar T* FE 55mm F1.8 ZA lens mounted. Long exposure NR off.



Compatibility with wide-ranging mountable lenses **NEW**

5-axis image stabilization lets you enjoy unparalleled handheld shooting freedom with more of your favorite mountable lenses. The short flange-back distance in the E-mount α7S II 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.



Clearer, steadier viewfinder image

You can monitor the smooth, clarifying effects of camera shake compensation in the viewfinder or LCD screen while shooting still images by pressing the shutter button halfway or magnifying the image, and while shooting movies by entering movie mode. Even when using a telephoto or macro lens, you can fine-tune framing and focusing without stress for steady results.

Press the shutter button halfway or magnify the image to view the favorable effect while shooting still images.





4K

3840 x 2160

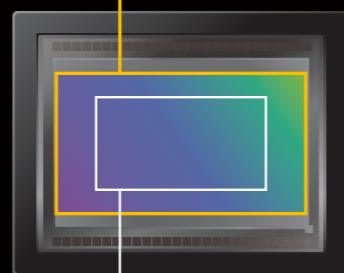
Clearly captivating movies set Sony's cutting edge in motion

Full-frame 4K internal recording – full pixel readout*1 without pixel binning **NEW**

The **α7S II** can record 4K (QFHD: 3840 x 2160) movies internally in full-frame format. The full-frame image sensor and full pixel readout*1 without pixel binning enable the camera to expand your expressive power and produce high-quality 4K movies with less moiré and jaggies. Its ultra-high sensitivity, low-noise performance and wide dynamic range perfectly complement various movie shooting situations and purposes.

*1 In 30p (25p)/24p movie setting.

35mm full-frame 16:9 format in 4K²/Full HD



4K

3840 x 2160

Super 35mm format equivalent in Full HD

*2 Internal recording and HDMI output, both at 4K resolution, are available in full-frame format.

High-bit-rate XAVC S format*



The XAVC S format* supports 4K recording at 30p (25p) or 24p frame rate with a maximum bit rate of 100Mbps, so the camera can capture movies in great detail with less impact from compression noise. XAVC S files are minimized in size using Long GOP data compression and saved in the widely compatible MPEG-4 AVC/H.264 format.

* A class 10 or higher SDXC memory card is required to record movies in the XAVC S format. UHS Speed Class 3 is also required for recording at 100Mbps.

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

Advanced movie functions support professional workflow

Sony's peerless expertise as innovator of professional video cameras ensures that the **α7S II** offers plenty of capabilities that serious moviemakers want to command. Functions that made original debuts in other great Sony cameras such as Picture Profile, S-Gamut/S-Log2 profile, and time code are now joined by other sophisticated Sony functions to advance the evolution of one-man moviemaking. The **α7S II** solidly supports professional workflow, giving you greater latitude to produce more moving visions than ever before.

Enhanced movie features

Picture Profile

Fine-tune the look of movies before shooting by adjusting gradation (Black Level, Gamma, Black Gamma, Knee), color adjustment (Color Mode, Color Level, Color Phase, Color Depth) and Detail. Save and recall up to nine profiles (PP1-PP9) of adjusted parameters with other settings, including new ones for S-Gamut3.Cine/S-Log3 and S-Gamut3/S-Log3.

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

Full pixel readout without pixel binning at 120fps (100fps) in combination with ultra-high sensitivity allows the **α7S II** to record high-quality, low-noise, high-frame-rate Full HD movies*. 120fps (100fps) capability also makes possible internal recording of 4x/5x slow motion movies with frame rate set at 30p (25p) or 24p. Otherwise, Full HD footage shot at 120fps can also be recorded with 100Mbps high bit rate to reveal fine details.

* 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

Gamma Display Assist **NEW**

This new 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.



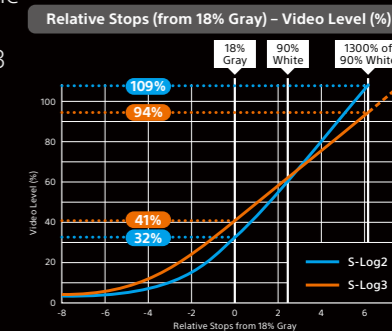
Gamma Display Assist Off



Gamma Display Assist On

S-Gamut3.Cine/S-Log3 and S-Gamut3/S-Log3 **NEW**

The new profiles deliver a dynamic range that can be widened by up to 1300% for smoother gradations; and easy color grading, correction and handling. S-Log3 gamma offers better tonal reproduction from shadow to mid-tone (18% gray) than S-Log2 gamma. The **α7S II** even offers impressive 14-stop latitude in S-Log3 gamma setting. S-Gamut3.Cine reproduces the wide color gamut of DCI-P3 color space of digital cinema. S-Gamut3 reproduces almost all actual colors, so it's suitable for archiving. The **α7S II** also supports the popular S-Gamut/S-Log2.



Enhanced Zebra function **NEW**

Simplify exposure monitoring, especially when shooting in S-Log gamma setting. Select a video signal level target from 0 to 109, apply a range, and zebra pattern indicates areas reaching that level/range. New wider target selection and range assignability ease exposure adjustment.



Clean HDMI output



Choose output at 4K (QFHD: 3840 x 2160 pixels) resolution*1 with 30p and 24p frame rates, for recording high-quality 4K images as uncompressed images on a compatible recorder or for direct viewing on a compatible monitor or TV, while recording in-camera*2.

*1 Internal recording and HDMI output, both at 4K resolution, are available in full-frame format.

*2 Image will not be displayed on the camera's LCD screen when 4K signal is sent through the HDMI output.

Capture the height of a moment to fulfill your higher vision

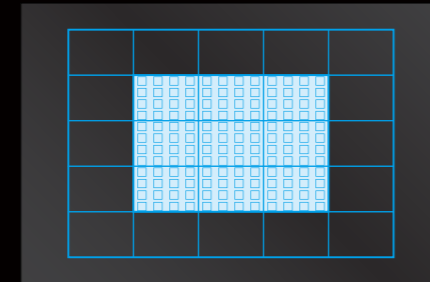
High-speed, high-precision Fast Intelligent AF in light as low as EV -4 **NEW**

Each of nine central AF points is divided into sixteen segments, contributing to a total of 169 AF points for uncanny subject detection accuracy when shooting stills. Thanks to the 12.2-megapixel^{*1} Exmor CMOS sensor's clear, noiseless image depiction, Fast Intelligent AF in the **α7S II** easily detects contrast and works unconventionally fast and accurately even when shooting at night or in dark environments with light as low as EV -4. AF speed is also now even

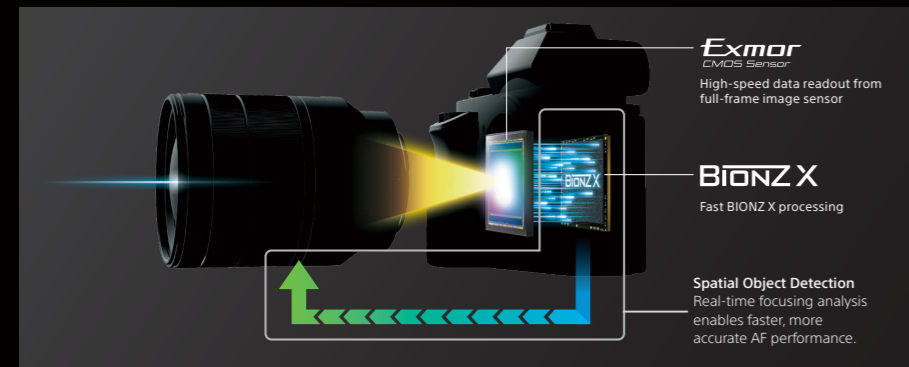
twice faster than the previous model^{*2} when shooting movies.

^{*1} Approximate effective megapixels.

^{*2} In comparison with the **α7S** in shooting Full HD movies.



Contrast-detection AF coverage (169 points)



XGA OLED Tru-Finder with the world's highest* viewfinder magnification at 0.78x **NEW**

With the world's highest* magnification at 0.78x among digital still camera viewfinders and a four-lens optical system with double-sided aspherical elements, the XGA OLED Tru-Finder with ZEISS T* Coating delivers stunning clarity and contrast with minimal

reflection. As an electronic viewfinder, it instantly shows how exposure compensation, white balance and other settings affect images. In addition, you can even check viewfinder images using Gamma Display Assist and Zebra functions while shooting movies.

* The viewfinder magnification is approx. 0.78x (with 50mm lens at infinity, -1m⁻¹). As of September 2015 based on Sony research.



FE 90mm F2.8 Macro G OSS (SEL90M28G), 1 sec., F5.6, ISO 25600



Silent Shooting mode

Silent Shooting mode lets you mute shutter sound whenever noiseless operation is required, such as when shooting wildlife or concert photos. This function can be used with up to 5fps* continuous shooting, so you

needn't miss a crucial moment, and can be assigned to a customizable button, so it can be turned On and Off more intuitively.

* Speed Priority Continuous mode. Focus setting is fixed at first shot.

Ready for the long run

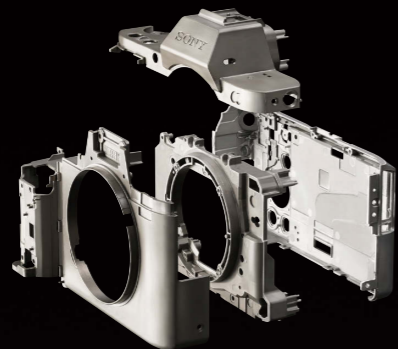
Enhanced grip and shutter button **NEW**

The grip is refined in shape and height to support a more secure grasp of the camera even when a large lens is mounted. This also contributes to more confident operation of the shutter button and dials. Moreover, the shutter button has been reshaped and shifted forward to enable more natural shooting with less camera shake.



Tough magnesium alloy body **NEW**

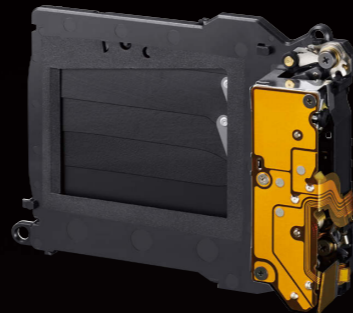
Designed for solid reliability and steady handling, the α 7S II's compact body is built to withstand the rigors of shooting in the field, thanks to an internal structure and top, front, and rear covers all made of strong, rigid magnesium alloy.



Durable reduced-vibration shutter **NEW**

Shutter durability passes the test of achieving 500,000^{*1} cycles, as a shutter braking mechanism reduces mechanical front/rear curtain vibration by about 50%^{*2}, minimizing camera shake, image blur and shutter sound.

^{*1} According to Sony internal testing, with the electronic front curtain shutter activated.
^{*2} In comparison with the α 7S.



Robust lens mount

The strength and rigidity of the body and lens mount have been enhanced to provide an especially solid foundation for mounting large, heavy lenses such as super telephoto lenses and those preferred for movie shooting.



Convenient tiltable LCD screen

The LCD screen tilts upward approx. 107 degrees and downward approx. 41 degrees to accommodate wide-ranging shooting angles. This flexibility combines with compact mobility to greatly expand your shooting options. Viewing is also clear under direct sunlight thanks to WhiteMagic™ technology that nearly doubles the brightness of the display through a unique RGBW pixel structure for easier checking of the focus and image details.



Easy button customization **NEW**

You can assign any of 65 functions* to any of 10 customizable buttons as you like. This makes operation more intuitive, quick and easy, and is extra-convenient for accessing such functions as starting and stopping of movie recording and switching between viewfinder and monitor.

* Some functions can only be assigned to certain buttons.



Meticulously crafted controls **NEW**

Controls are refined for intuitive operation and immediate adjustment even while looking through the viewfinder. The front and rear dials have been particularly refined and positioned for easier, more efficient handling and turning. Also, a new mode dial locking mechanism prevents inadvertent changes of shooting mode at all times.



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.

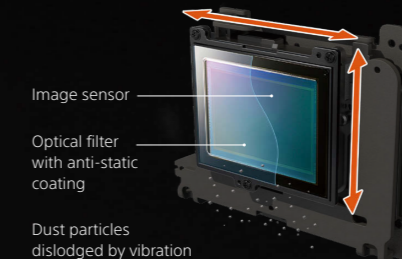
Note: This camera is designed for optimal dust and moisture resistance, but is not waterproof or splashproof.



Anti-dust system and coating

To keep your photos blemish-free, a special anti-static coating on the surface of the optical filter prevents adhesion of dry and moist dust particles to lenses being changed. An anti-dust mechanism also vibrates at high speed when you select Cleaning Mode, to remove any particles adhering to the filter.

Anti-dust system



Power supply via USB **NEW**

Operation of the α 7S II can be powered via USB connection to a PC or mobile battery. This conserves the camera's battery, allowing you extended use of the camera without worrying that the battery will run out. When the camera is turned off, the battery can be charged via the same connection.



Enriched functionality for file transfers and more

Connect to smartphones and tablets with one touch!

Thanks to built-in Wi-Fi and NFC (Near Field Communication)*, you can instantly transfer a photo or MP4 movie to an Android™ device simply by touching the α7S II with the receiving smartphone or tablet, then upload it directly to your favorite SNS with ease. Setting up your mobile device is as simple as downloading a free PlayMemories Mobile app (www.sony.net/pmm/).

* Requires NFC-compatible Android device.



PlayMemories Camera Apps

The exciting application download service, PlayMemories Camera Apps, lets you add new functions to your camera's existing feature set to heighten photographic expression according to your own creative needs. Time-lapse records images at intervals and combines them for a dramatic time-lapse movie

www.sony.net/pmca



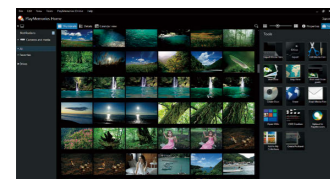
and Smart Remote Control lets you control the various settings from a smartphone or tablet. Many more apps are also available, including Star Trail, Liveview Grading and Smooth Reflection.

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™

Easy-to-use image management software installs onto Windows and Mac computers. 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)

Capture One Express (for Sony) is a RAW converter that can be downloaded for free from Phase One. Great for rendering colors and details with incredible precision, it features flexible digital asset management, all essential adjustment tools and fast, responsive performance in one convenient, customizable, integrated solution.



More precise white balance adjustment **NEW**

The α7S II 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 α7S, 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. Camera shake blur is also lowered while contrast and detail are raised.

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 that complements 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 manipulation, conversion and management of 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, DRO corrects your images to achieve smoother, more natural gradations with more detail in the highlights and shadows. You can use it during continuous shooting and when photographing moving subjects.

Focus Magnifier & Peaking function

You can clearly magnify the image to simplify manual fine-tuning of the focus whether 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.

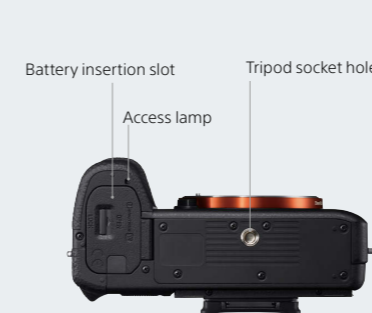
Number of recordable frames for single media
(Memory Stick PRO Duo, Image size L 12M, aspect ratio 3:2)

	8GB	16GB	32GB	64GB
Standard	1,800	3,600	7,200	14,000
Fine	1,300	2,650	5,300	10,500
Extra fine	740	1,500	3,000	6,000
RAW (Compressed) & JPEG	395	800	1,600	3,200
RAW (Uncompressed) & JPEG	240	485	980	1,950
RAW (Compressed)	560	1,100	2,250	4,600
RAW (Uncompressed)	295	590	1,150	2,400

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

		16GB	32GB	64GB	128GB
XAVC S 4K	30p/25p, 100M	-	-	1:15:00	2:35:00
XAVC S 4K	30p/25p, 60M	-	-	2:05:00	4:15:00
XAVC S 4K	24p, 100M	-	-	1:15:00	2:35:00
XAVC S 4K	24p, 60M	-	-	2:05:00	4:15:00
XAVC S HD	60p/50p, 50M	-	-	2:35:00	5:10:00
XAVC S HD	30p/25p, 50M	-	-	2:35:00	5:10:00
XAVC S HD	24p, 50M	-	-	2:35:00	5:10:00
XAVC S HD	120p/100p, 100M	-	-	1:15:00	2:35:00
XAVC S HD	120p/100p, 60M	-	-	2:05:00	4:15:00
XAVC S HD	30p/25p, 16M (High Frame Rate)	-	-	1:55:00	3:55:00
XAVC S HD	24p, 12M (High Frame Rate)	-	-	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: SDXC memory card 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.



High-performance options meet your exacting demands

FE lenses clearly match camera capabilities

E-mount
35mm Full frame

Broaden your photographic horizons with Sony's expanding line of 35mm full-frame compatible E-mount lenses. The $\alpha 7S$ II lets you take full advantage of all 13 of them and maximize the image quality that the camera's high sensitivity delivers.



A-mount full-frame lenses expand perspectives

A-mount
35mm Full frame

With a Sony LA-EA3 or LA-EA4 mount adaptor, you can attach to the $\alpha 7S$ II any member of the Sony A-mount full-frame lens lineup, including super telephoto and legendary ZEISS® lenses, that deliver optical performance praised by serious photographers.

Lens compatibility

The $\alpha 7S$ II is compatible with nearly all lenses from Sony's extensive lineups. E-mount lenses can be mounted directly on the camera, while A-mount lenses require the use of a mount adaptor. Whichever Sony lens you choose – whether A-mount or E-mount, with or without OSS – you can be sure of outstanding performance and optimized image stabilization.

