

The Sony A7S III

Lens Mount	E-Mount
Aspect Ratio	3:2
Number of Pixels (Effective)	Approx. 12.1 megapixels
Number of Pixels (Total)	Approx. 12.9 megapixels
Sensor Type	35 mm full frame (35.6 × 23.8 mm), Exmor R [®] CMOS sensor
Anti-Dust System	Yes (Charge protection coating on Optical Filter and ultrasonic vibration mechanism)
Recording Format	XAVC S, XAVC HS
Video Compression	XAVC S: MPEG-4 AVC/H.264, XAVC HS: MPEG-H HEVC/H.265
Audio Recording Format	XAVC S: LPCM 2ch, LPCM 2ch (48 kHz 16 bit), LPCM 2ch (48 kHz 24 bit), LPCM 4ch(48 kHz 24 bit), MPEG-4 AAC-LC 2ch
Color Space	Rec. ITU-R BT.2100 standard compatible (BT.2020 gamut). (compatible with TRILUMINoS Color)
Picture Profile	Yes (Off/PP1-PP10) Parameters: Black level, Gamma (Movie, Still, Cine1-4, ITU709, ITU709 [800%], S-Log2, S-Log3, HLG, HLG1-3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset
Creative Look	ST, PT, NT, VV, VV2, FL, IN, SH, BW, SE, Custom Look (1-6)
Movie Recording System (XAVC HS 4K)	3840 x 2160 (4:2:0, 10bit, NTSC) (Approx.): 120p (200 Mbps), 60p (150 Mbps / 75 Mbps / 45 Mbps), 24p (100 Mbps / 50 Mbps / 30 Mbps); 3840 x 2160 (4:2:0, 10bit, PAL) (Approx.): 100p (200 Mbps), 50p (150 Mbps / 75 Mbps / 45 Mbps); 3840 x 2160 (4:2:2, 10bit, NTSC) (Approx.): 120p (280 Mbps), 60p (200 Mbps / 100 Mbps), 24p (100 Mbps / 50 Mbps); 3840 x 2160 (4:2:2, 10bit, PAL) (Approx.): 100p (280 Mbps), 50p (200 Mbps / 100 Mbps)
Movie Recording System (XAVC S 4K)	3840 x 2160 (4:2:0, 8bit, NTSC) (Approx.): 120p (200 Mbps), 60p (150 Mbps), 30p (100 Mbps / 60 Mbps), 24p (100 Mbps / 60 Mbps); 3840 x 2160 (4:2:0, 8bit, PAL) (Approx.): 100p (200 Mbps), 50p (150 Mbps), 25p (100 Mbps / 60 Mbps); 3840 x 2160 (4:2:2, 10bit, NTSC) (Approx.): 120p (280 Mbps), 60p (200 Mbps), 30p (140 Mbps), 24p (100 Mbps); 3840 x 2160 (4:2:2, 10bit, PAL) (Approx.): 100p (280 Mbps), 50p (200 Mbps), 25p (140 Mbps)
Movie Recording System (XAVC S HD)	1920 x 1080 (4:2:0, 8bit, NTSC) (Approx.): 120p (100 Mbps / 60 Mbps), 60p (50 Mbps / 25 Mbps), 30p (50 Mbps / 16 Mbps), 24p (50 Mbps); 1920 x 1080 (4:2:0, 8bit, PAL) (Approx.): 100p (100 Mbps / 60 Mbps), 50p (50 Mbps / 25 Mbps), 25p (50 Mbps / 16 Mbps); 1920 x 1080 (4:2:2, 10bit, NTSC) (Approx.): 60p (50 Mbps), 30p (50 Mbps), 24p (50 Mbps); 1920 x 1080 (4:2:2, 10bit, PAL) (Approx.): 50p (50 Mbps), 25p (50 Mbps)
Movie Recording System (XAVC S-I 4K)	3840 x 2160 (4:2:2, 10bit, NTSC) (Approx.): 60p (600 Mbps), 30p (300 Mbps), 24p (240 Mbps); 3840 x 2160 (4:2:2, 10bit, PAL) (Approx.): 50p (500 Mbps), 25p (250 Mbps)

Movie Recording System (XAVC S-I HD)	1920 x 1080 (4:2:2, 10bit, NTSC) (Approx.): 60p (222 Mbps), 30p (111 Mbps), 24p (89 Mbps); 1920 x 1080 (4:2:2, 10bit, PAL) (Approx.): 50p (185 Mbps), 25p (93 Mbps)
Slow & Quick Motion	NTSC mode: 1fps, 2fps, 4fps, 8fps, 15fps, 30fps, 60fps, 120fps, 240fps30, PAL mode: 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps, 200fps
Movie Functions	Audio Level Display, Audio Rec Level, PAL/NTSC Selector, Proxy Recording (1280 x 720 [6 Mbps], 1920 x 1080 [9 Mbps], 1920 x 1080 [16 Mbps]), TC/UB, Auto Slow Shutter, Gamma Disp. Assist, RAW Output(HDMI)
Media	SD memory card, SDHC memory card (UHS-I/II-compliant), SDXC memory card (UHS-I/II-compliant), CFexpress Type A memory card
Memory Card Slot	SLOT1: Multi slot for SD (UHS-I/II-compliant) memory card/CFexpress Type A card, SLOT2: Multi slot for SD (UHS-I/II-compliant) memory card/CFexpress Type A card
Recording Mode on 2 Memory Cards	Simult. Rec, Sort, Auto Switch Media, Copy
Noise Reduction	Long exposure NR: On/Off, available at shutter speeds longer than 1 s, High ISO NR: Normal / Low / Off
White Balance Modes	Auto / Daylight / Shade / Cloudy / Incandescent / Fluorescent / Flash / Underwater / Color Temperature (2500 to 9900K) & color filter / Custom
Shutter AWB Lock	Yes (Shut. Halfway Down / Cont. Shooting / Off)
Focus Type	Fast Hybrid AF (phase-detection AF / contrast-detection AF)
Focus Sensor	Exmor R® CMOS sensor
Focus Point (movie)	35-mm full frame: 759 points (phase-detection AF), APS-C mode with FF lens: 345 points (phase-detection AF), with APS-C lens: 285 points (phase-detection AF) / 425 points (contrast-detection AF)
Focus Sensitivity Range	EV-6 to EV20 (ISO 100 equivalent with F2.0 lens attached)
Focus Mode	AF-A (Automatic AF), AF-S (Single-shot AF), AF-C (Continuous AF), DMF (Direct Manual Focus), Manual Focus
Focus Area	Wide / Zone / Center Fix / Spot / Expand Spot / Tracking
Eye AF	Human (Right/Left Eye Select)
Other Features	Predictive control, Focus lock, AF Subj. Shift Sensitivity , AF Transition Speed, Switch V/H AF Area, AF Area Regist., Circ. of Focus Point
AF Illuminator	Yes (with built-in LED type)
AF Illuminator Range	Approx. 0.98 ft – approx. 0.98 ft (with FE 28-70 mm F3.5–5.6 OSS lens attached)
Metering Type	1200-zone evaluative metering
Metering Sensor and Sensitivity	Exmor R® CMOS sensor, EV -3 to EV 20 (at ISO100 equivalent with F2.0 lens attached)
Metering Mode	Multi-segment, Center-weighted, Spot, Spot Standard/Large, Entire Screen Avg., Highlight

Exposure Compensation	+/- 5.0EV (1/3 EV, 1/2 EV steps selectable) (with exposure compensation dial: +/- 3EV [1/3 EV steps])
Exposure Bracketing	Bracket: Cont., Bracket: Single, 3/5/9 frames selectable. (Ambient light, Flash light)
AE Lock	Locked when shutter button is pressed halfway. Available with AE lock button. (On/Off/Auto)
Exposure Modes	AUTO(iAuto), Programmed AE (P), Aperture priority (A), Shutter-speed priority (S), Manual (M), Movie (Programmed AE (P) / Aperture priority (A) / S shutter-speed priority (S) / Manual (M) / Flexible Exp. Mode), Slow & Quick Motion (Programmed AE (P) / Aperture priority (A) / Shutter-speed priority (S) / Manual (M) / Flexible Exp. Mode)
ISO Sensitivity (Recommended Exposure Index)	Still images: ISO 80–102400 (ISO numbers up from ISO 40 to ISO 409600 can be set as expanded ISO range.), Movies: ISO 80–102400 equivalent (ISO numbers up to ISO 409600 can be set as expanded ISO range.)
Anti-Flicker Shoot	Yes
Viewfinder Type	1.6 cm (0.64 type) electronic viewfinder (color)
Number of Dots	9 437 184 dots
Field Coverage	100%
Magnification	Approx. 0.90x (with 50-mm lens at infinity, -1m-1)
Diopter Adjustment	-4.0 to +3.0 m-1
Eye Point	Approx. 1 inch from the eyepiece lens, 1 inch from the eyepiece frame at -1m-1 (CIPA standard)
Display Function	Histogram, Real-time image-adjustment display, Digital level gauge, Grid line, Focus check, Peaking MF, Zebra, Movie marker, Emph disp dur REC
Finder Frame Rate Selection	NTSC mode: STD 60fps / HI 120fps, PAL mode: STD 50fps / HI 100fps
Monitory Type	2.95 inch (3.0-type) wide type TFT
Number of Dots	1,440,000 dots
Touch Panel	Yes
Brightness Control	Manual (5 steps between -2 and +2), Sunny Weather mode
Adjustable Angle	Opening Angle: Approx. 176 deg., Rotation Angle: Approx. 270 deg.
Focus Magnifer	Yes, Focus Magnifier (35-mm full frame: 2.1x / 4.1x APS-C: 1.5x / 3.0x)
Clear Image Zoom	Approx. 1.5x (4K), Approx. 2x (HD)
Digital Zoom	35-mm full frame: Approx. 4x, APS-C: Approx. 4x
Face Detection	Face Priority in AF, Face Priority in Multi Metering, Regist. Faces Priority
Others	Interval Recording, ISO AUTO Min. SS, Bright Monitoring, Copyright Info, Set File Name, Save/Import Settings, Help guide, Video Light Mode, Zoom Ring Rotate

Type	Electronically controlled, vertical-traverse, focal-plane type
Shutter Type	Mechanical shutter/Electronic shutter
Shutter Speed	1/8000 to 1/4 (1/3 steps), up to 1/60 in AUTO mode (up to 1/30 in Auto slow shutter mode)
Flash Sync. Speed	1/250 sec.
Electronic Front Curtain Shutter	Yes (on/off)
Silent Shooting	Yes (on/off)
Image Stabilization Type	Image Sensor-Shift mechanism with 5-axis compensation (compensation depends on lens specifications)
Image Stabilization Compensation Effect	5.5 stops (based on CIPA standard. Pitch/yaw shake only. With Planar T* FE 50mm F1.4 ZA lens mounted. Long exposure NR off.)
Drive Modes	Single Shooting, Continuous shooting (Hi+/Hi/Mid/Lo selectable), Self-timer, Self-timer (Cont.), Bracket: Single, Bracket: Cont., White Balance bracket, DRO bracket
Continuous Drive Speed (approx. max.)	Continuous shooting: Hi+: 10 fps, Hi: 8 fps, Mid: 6 fps, Lo: 3 fps
No. of recordable frames (approx.)	JPEG Extra fine L: over 1000 frames, JPEG Fine L: over 1000 frames, JPEG Standard L: over 1000 frames, RAW: over 1000 frames, RAW & JPG: over 1000 frames, RAW (Uncompressed): over 1000 frames, RAW (Uncompressed) & JPG: over 1000 frames
PC Interface	Mass-storage / MTP
Multi/Micro USB Terminal	Yes, Type-C® Terminal (SuperSpeed USB 5 Gbps [USB 3.2] compatible)
Bluetooth®	Yes (Bluetooth Standard Ver. 5.0 [2.4 GHz band])
Multi Interface Shoe	Yes (with Digital Audio Interface) ³⁶
Mic/ Headphone Terminal	Yes (3.5 mm Stereo minijack)
Vertical Grip Connector	Yes
Interface Functions	FTP Transfer Func., View on Smartphone, Remote control via Smartphone, NFC One-touch remote, PC Remote, BRAVIA Sync (Control for HDMI), PhotoTV HD
Microphone	Built-in, stereo
Speaker	Built-in, monaural
Operating Temperature	32 - 104 degrees F / 0 - 40 degrees C
Weight (w/ battery and memory card)	Approx. 1 lb 8.7 oz, Approx. 699 g
Dimensions (W x H x D)	Approx. 5 1/8 x 3 7/8 x 3 1/4 inches, Approx. 5 1/8 x 3 7/8 x 2 3/4 inches (FROM GRIP TO MONITOR), Approx. 128.9 mm x 96.9 mm x 80.8 mm, Approx. 128.9 mm x 96.9 mm x 69.7 mm (FROM GRIP TO MONITOR)

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