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ILCE-7M3/B

a7 III Full Frame Mirrorless Interchangeable-Lens Camera (Body Only)

The a7 III has been refined for extraordinary image capture control and quality from the next generation 24.2MP full-frame BSI image sensor and latest BIONZ X image processor, down to the smallest operational detail. Featuring 693 phase AF points with up to 10fps¹ continuous shooting 4K² HDR³ video and the longest⁷ battery life of any mirrorless camera to date – the a7 III has everything you need.



Key Features

Newly developed 24.2MP BSI Full-frame Image Sensor

The newly developed 24.2MP back-illuminated Exmor R™ CMOS image sensor is paired with a front-end LSI that effectively doubles the readout speed of the image sensor, as well as an updated BIONZ X™ processing-engine that boosts processing speed by approximately 1.8 times compared to the a7 II. This results in high sensitivity with low-noise performance and wide 15-stop⁴ dynamic range. It also has the ability to output 14 bit RAW⁴ format even when shooting in silent⁵ or continuous mode. Nothing less than spectacular images.

Evolutionary leap in image processing power

The a7 III features a new front-end LSI that effectively doubles* the readout speed of the image sensor, as well as an updated BIONZ X™ processing-engine that boosts processing speed by approximately 1.8 times compared to the a7 II. These powerful components work together to allow the camera to shoot at faster speeds while also enabling its impressive ISO range of 100 - 51200 (expandable to ISO 50 - 204800 for still images and massive 15-stop⁴ dynamic range at low sensitivity settings. This ensures outstanding overall performance at all settings and in all shooting conditions.

Up to 10fps¹ with Silent⁵ or Mechanical Shutter

The a7 III is equipped with a refined image processing system that allows it to capture full 24.2MP images at up to 10 fps¹ with continuous and accurate AF/AE (autofocus and auto exposure) tracking for up to 177 Standard JPEG images, 89 compressed RAW images or 40 uncompressed RAW images. This high speed 10 fps mode is available with either a mechanical shutter or an electronic shutter for completely silent⁵ shooting. The a7 III can also shoot continuously at up to 8 fps¹ in live view mode with minimal lag in the viewfinder or LCD screen. These high speed options ensure that fast moving subjects can be captured with extreme accuracy and incredible image detail.

Incredible hybrid autofocus system

The a7 III features a world class autofocus system comprised of 693 focal-plane phase-detection AF points that cover approximately 93% of the image area, 425 contrast AF points and reliable Eye-AF. When combined, both contrast and phase detection AF points form the 4D FOCUS™ hybrid AF system for wide, fast, reliable AF that locks on and stays locked on. This advanced system delivers AF acquisition in about half the time as the a7 II in low-light conditions with tracking that is approximately 2 times more accurate as well. The acclaimed Eye AF feature is also approximately twice as effective⁴, and is available when utilizing AF-C mode and with Sony's A-mount lenses⁹ with an adapter.

5-step⁶, 5-axis in-body image stabilization

The 5-axis in-body SteadyShot™ image stabilization system has been fine-tuned to support high-resolution shooting capacity, resulting in an image stabilization system at 5-step⁶ shutter speed advantage. Camera shake is effectively compensated on 5 axes: pitch and yaw that have the largest overall impact on image quality; X and Y shift that is most apparent at high magnification, and roll that can ruin night shots and movies. Stabilization is applied to the live-view image, making it easier to frame fast-moving subjects. Effective stabilization is provided for movies as well as stills, and for A-mount lenses⁹ attached via a mount adapter.

Secure and versatile dual SD media slots

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Two SD media card slots are provided for still and movie storage (one slot for SD cards or Memory Stick) with the lower card slot being UHS-II compatible for fast write speed. Still or movie data can be simultaneously recorded to both cards for backup, or RAW⁴ images can be recorded to one card while JPEG images are recorded to the other. It is also possible to record stills and movies to different cards. Relay recording automatically switches to the second card when the first card is full. Data can be copied between cards while in the camera, for convenient back-up. Sony SF-G series UHS-II SD cards are ideal for situations where maximum transfer speed is required.

High Quality 4K² HDR³ for the Video Professionals

The a7 III is exceptionally capable as a video camera, offering 4K² (3840x2160 pixels) video recording across the full width of the full-frame image sensor. In video mode, the a7 III uses full pixel readout without pixel binning to collect about 2.4x the amount of data required for 4K movies, and then oversamples it to produce high quality 4K footage with exceptional detail and depth. Both S-Log2 and S-Log3 are available for increased color grading flexibility, while HLG (Hybrid Log-Gamma)³ is included to support an Instant HDR (High Dynamic Range) workflow, allowing HDR (HLG) compatible TV's to playback beautiful, true-to-life 4K HDR imagery. The a7 III can also record Full HD at 120 fps² at up to 100 Mbps, allowing footage to be reviewed and eventually edited into 4x or 5x slow motion¹¹ video files in Full HD resolution.

The detail of 4K², the beauty of HDR³

4K² HDR³ (High Dynamic Range) astonishes viewers with visual depth and impact that are less like conventional movies and television – and more like real life. With the ability to reproduce images from deep shadows to piercing highlights, 4K High Dynamic Range (HDR) is astonishing. With Instant HDR, the a7 III empowers you to capture High Dynamic Range without complex post production. Hybrid Log-Gamma (HLG) recording captures HDR, yet plays back beautifully on both HDR and conventional televisions. For added versatility, the camera also provides S-Log3 encoding.

Long-lasting Z battery

The high-capacity NP-FZ100 Rechargeable Battery has approximately 2.2x the capacity of the NP-FW50 W-series battery giving the a7 III the longest⁷ rated battery life of any Mirrorless camera at 710 shots⁸ per charge. The optional VG-C3EM vertical grip (sold separately) houses two batteries and when you need serious stamina for long sessions there's the NPA-MQZ1K Multi Battery Adaptor Kit (sold separately) that can hold up to four batteries. The NP-FZ100 also supports InfolITHIUM[®] technology, which makes it possible to view the remaining battery power as both a percentage display and five step icon on the camera's LCD screen. Also check out the optional BC-QZ1 Battery Charger.

16-bit processing and 14-bit RAW⁴ output for natural gradations

Both compressed and uncompressed 14-bit RAW⁴ format are supported. The 14-bit digital signal from the image sensor's analog to digital (AD) converter is processed in 16-bit form by the front-end LSI and BIONZ X™ image processor before being output as 14-bit RAW⁴ data. The result is smoother, more natural gradations that contribute to higher overall image quality. The enhanced BIONZ X image processing LSI makes 14-bit RAW⁴ output available even when shooting in silent⁵ or continuous mode.

High contrast 2.36-million dot OLED EVF

The a7 III boasts a high-luminance 2.359 million dots EVF (XGA OLED) Tru-Finder™ which reproduces the finest details, and incorporates legendary ZEISS T* coating to greatly reduce reflections, while the double-sided aspherical element achieves 0.78x magnification with outstanding corner-to-corner clarity. EVF startup time when the camera is switched on has been decreased by approximately 40% compared to the a7 II.

922K-dot (approx.) 3" (3.0 type) tilting LCD monitor

This large tiltable 3" (3.0 type) LCD monitor features approximately 922K dots* for high resolution and detailed viewing. The monitor not only supports touch operation, but tilts upwards by a maximum of 107° and downwards by a maximum of 41° for flexible hold and framing.

Touch AF function

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Focusing doesn't get any more intuitive than this. With Touch Focus you can simply touch the LCD screen to specify the desired focus point. Even subjects near the edges of the frame can be instantly selected without having to reframe or manually shift the focus point. Double-tap any point on the monitor for a magnified view of that area when focusing manually. Touch AF allows smooth focus point changes when shooting movies too.

Enhanced Eye-AF

Eye AF automatically detects and focuses on the subject's eye. It has been notably improved in the a7 III, even when shooting a moving subject in continuous AF mode. Face detection has also been updated for higher reliability when the subject is looking away from the camera, when the face is in partial darkness, and other challenging situations.

Robust magnesium alloy body w/ dust and moisture resistant design¹²

The a7 III body construction features a lightweight, high-rigidity magnesium alloy for the internal frame as well as the top, front, and rear covers. The grip area has also been reinforced with an integrated magnesium alloy front cover. The number of screws securing the lens mount has been increased to six in order to maximize rigidity and durability even when using heavy telephoto lenses. Sealing is provided throughout the body to minimize dust and moisture ingress¹², allowing it to function reliably in challenging environments⁹. All major buttons and dials are provided with seals, while media and jack covers and enclosure edges feature tongue-and-groove joints for double protection. Maximum dust and moisture resistance¹² is maintained at lens, vertical grip, and flash unit joints too, providing excellent system reliability.

My Menu, customizable interface and buttons, plus back focus button

Make it your own with easy button customization. A new My Menu feature allows up to 30 menu items to be registered for instant recall when needed. The registered items can be arranged in any convenient order, and unused items can be erased as required. The primary menus have also been reorganized for smoother search and operation. In addition, You can assign any of 81 functions to any of 11 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.

AF-ON button (back focus button)

The a7 III has several new and updated focus functions that support faster, easier focusing in a variety of situations including the AF-ON button (back focus button) which activates autofocus when pressed while shooting stills or movies.

AF Multi-selector

The camera features a multi-selector joystick on the back of the camera, allowing shooters to easily shift focus within the frame by pressing the multi-selector in any direction up, down, left or right when shooting in Zone, Flexible Spot or Expanded Flexible Spot focus area modes.

Anti-dust system and coating

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

Meticulously crafted controls

Controls are refined for intuitive operation and immediate adjustment even while looking through the viewfinder. The a7 III features front and rear dials for easier, more efficient handling and turning. A mode dial locking mechanism prevents inadvertent changes of shooting mode at all times and a stacked independently operable dials allow fast selection of drive and focus modes. Quickly select the single or continuous drive mode, or the single AF or continuous AF focus mode, for example, without having to scroll through menus. Both dials are lockable, preventing unwanted mode changes during use.

Anti-flicker¹⁰ function

If there is fluorescent or artificial lighting present in a shooting environment, users can activate the Anti-flicker¹⁰ function to allow the a7 III to automatically detect frequency of the lighting and time the shutter to minimize its effect on images being captured. This minimizes any exposure or color anomalies that can sometimes occur at the top and bottom of images shot at high shutter speeds.

Imaging Edge included

The α 7 III model also comes with Sony's new software suite "Imaging Edge", which extends the creative capabilities of the entire shooting process – from pre-processing to post-processing. "Imaging Edge" provides three PC applications called 'Remote', 'Viewer' and 'Edit', available for free download, which support live-view PC remote shooting and RAW development. In the latest Version 1.1, several improvements have been implemented including about 10% faster data transfer speed for remote shooting from PC (PC tether shooting) and about 65% improvement in the response speed for RAW image editing¹³. For more information, please visit Imaging Edge support page. www.sony.net/disoft/d/.

Specifications

Camera	
Lens Compatibility	Sony E-mount lenses
Camera Type	Interchangeable lens digital camera
Lens Mount Type	E-mount
Recording	
Video Resolution	<p>XAVC S 4K:</p> <p>3840 x 2160 / 30p @ Approx.100Mbps 3840 x 2160 / 25p @ Approx.100Mbps 3840 x 2160 / 24p @ Approx.100Mbps 3840 x 2160 / 30p @ Approx.60Mbps 3840 x 2160 / 25p @ Approx.60Mbps 3840 x 2160 / 24p @ Approx.60Mbps</p> <p>XAVC S HD:</p> <p>1920 x 1080 / 120p @ Approx.100Mbps 1920 x 1080 / 100p @ Approx.100Mbps 1920 x 1080 / 120p @ Approx.60Mbps 1920 x 1080 / 100p @ Approx.60Mbps 1920 x 1080 / 60p @ Approx.50Mbps 1920 x 1080 / 50p @ Approx.50Mbps 1920 x 1080 / 30p @ Approx.50Mbps 1920 x 1080 / 25p @ Approx.50Mbps 1920 x 1080 / 24p @ Approx.50Mbps 1920 x 1080 / 60p @ Approx.25Mbps 1920 x 1080 / 50p @ Approx.25Mbps 1920 x 1080 / 30p @ Approx.16Mbps 1920 x 1080 / 25p @ Approx.16Mbps</p> <p>AVCHD:</p> <p>FX - 1920 x 1080 / 60i @ Maximum bit-rate 24Mbps FX - 1920 x 1080 / 50i @ Maximum bit-rate 24Mbps FH - 1920 x 1080 / 60i @ Average bit-rate 17Mbps FH - 1920 x 1080 / 50i @ Average bit-rate 17Mbps</p>
Viewfinder	
Type	0.5 type (1.3 cm) electronic viewfinder (color)
Diopter Adjustment	-4.0 to +3.0m ⁻¹
Magnification	approx. 0.78 x (with 50mm lens at infinity, -1m-1)
LCD Display	
LCD Type	3.0" (7.5cm) TFT LCD (921,600 dots)
Angle Adjustment	Up by approx. 107 degrees, Down by approx. 41 degrees
Brightness Control	Manual (5 steps between -2 and +2), Sunny Weather mode
Peaking	Yes (Level setting: High/Mid/Low/Off, Color: White/Red/Yellow)
Grid Display	Yes (Rule of 3rds Grid/Square Grid/Diag. + Square Grid/Off)
Customization	Graphic Display, Display All Info, No Disp. Info, Digital Level, Gauge, Histogram, For viewfinder, Monitor Off
Zebra	(selectable level + range or lower limit as custom setting)

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Drive System	
Continuous Shooting Speed	Continuous shooting: Hi+: max. 10 fps, Hi: max. 8 fps, Mid: max. 6fps, Lo: max. 3 fps
Drive Mode	Single Shooting, Continuous shooting (Hi/Lo selectable), Self-timer, Self-timer (Cont.), Bracket: Single, Bracket:Cont., White Balance bracket, DRO bracket
Flash	
Control	Pre-flash TTL
External flash	Sony α System Flash compatible with Multi Interface Shoe, attach the shoe adaptor for flash compatible with Auto-lock accessory shoe
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 Compensation	+/- 3.0 EV (switchable between 1/3 and 1/2 EV steps)
Flash Modes	Flash off, Autoflash, Fill-flash, Slow Sync., Rear Sync., Red-eye reduction (on/off selectable), Wireless * , Hi-speed sync. * *With compatible external flash
Interface	
Headphone Jack	Yes(3.5 mm Stereo minijack)
Microphone Input	Yes (3.5 mm Stereo minijack)
Remote Commander	Yes(RMT-DSLR2 (sold separately))
HD Output	HDMI micro connector (Type-D) BRAVIA Sync(Control for HDMI) PhotoTV HD 4K movie output/4K still image PB
NFC	Yes (NFC Forum Type 3 Tag compatible, One-touch remote, One-touch sharing)
USB Port(s)	USB Type-C™ Terminal: Yes (SuperSpeed USB(USB 3.1 Gen 1) compatible)
Wi-Fi	Yes(Wi-Fi Compatible, IEEE 802.11b/g/n(2.4GHz band))* *(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)
Weights and Measurements	
Dimensions (Approx.)	5 x 3 7/8 x 3 inches, Approx. 5 x 3 7/8 x 2 1/2 inches (126.9mm x 95.6mm x 73.7mm, Approx. 126.9mm x 95.6mm x 62.7mm) (From grip to monitor)
Weight (Approx.)	With battery and memory Card included: 1 lb 7.0 oz (650 g)
Weight(Approx) (Main unit only)	Body only: 1lb 4.0 oz (565 g)
Power	
Battery Type	One rechargeable battery pack NP-FZ100
Number of Still Images	Approx. 610 shots (Viewfinder) / approx. 710 shots (LCD monitor) (CIPA standard)
	Movies (actual recording): Approx. 115 min (Viewfinder) / Approx. 125 min (LCD monitor)(CIPA standard)
Power Consumption (in View Finder Operation)	Movies (continuous recording): Approx. 200 min (Viewfinder) / Approx. 210 min (LCD monitor) (CIPA standard)
	With Viewfinder: Still images: approx. 3.2W(with FE 28-70mm F3.5-5.6 OSS lens attached), Movies: approx. 4.9W(with FE 28-70mm F3.5-5.6 OSS lens attached) With LCD screen: Still images: approx. 2.8W(with FE 28-70mm F3.5-5.6 OSS lens attached), Movies: approx. 4.7W(with FE 28-70mm F3.5-5.6 OSS lens attached)
Clear Image Zoom	
Movies	Approx. 1.5x (4K), Approx. 2x (HD)
Still images	Approx. 2x
Drive	

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/10sec. delay)
Exposure control	
AE Lock	Locked when shutter button is pressed halfway. Available with AE lock button. (On/Off/Auto)
Bracketing	Bracket: Cont., Bracket: Single, 3/5/9 frames selectable. With 3 or 5 frames, in 1/3, 1/2, 2/3, 1.0, 2.0, or 3.0 EV increments, with 9 frames, in 1/3, 1/2, 2/3, or 1.0 EV increments.
Exposure compensation	+/- 5.0EV(1/3 EV, 1/2 EV steps selectable) (with exposure compensation dial : +/- 3EV (1/3 EV steps))
Exposure modes	AUTO(Auto) Programmed AE (P) Aperture priority (A) Shutter-speed priority (S) Manual (M) Movie (Programmed AE (P) / Aperture priority (A) / Shutter-speed priority (S) / Manual (M)) Slow & Quick Motion (Programmed AE (P) / Aperture priority (A) / Shutter-speed priority (S) / Manual (M)) Scene Selection
ISO sensitivity (Recommended Exposure Index)	Still images: ISO 100-51200 (ISO numbers up from ISO 50 to ISO 204800 can be set as expanded ISO range.), AUTO (ISO 100-12800, selectable lower limit and upper limit) Movies: ISO 100-51200 equivalent(ISO numbers up ISO 102400 can be set as expanded ISO range.), AUTO (ISO 100-12800, selectable lower limit and upper limit)
Metering sensitivity	EV-3 to EV20 (at ISO100 equivalent with F2.0 lens attached)
Metering sensor	Exmor R CMOS sensor
Metering type	1200-zone evaluative metering
Modes	Multi-segment, Center-weighted, Spot, Spot Standard/Large, Entire Screen Avg., Highlight
Focus system	
AF micro adjustment	Yes, (Sold separately) with LA-EA2 or LA-EA4
AF illuminator	Yes (with Built-in LED type)
AF illuminator range	Approx. 0.3m - approx. 3.0m (with FE 28-70mm F3.5-5.6 OSS attached)
Eye AF	Yes
Eye-start AF	Yes (only with LA-EA2 or LA-EA4 attached(Sold separately))
Focus area	Wide (693 points (phase-detection AF), 425 points(contrast-detection AF)) / Zone / Center / Flexible Spot (S/M/L) /Expanded Flexible Spot/ Lock-on AF (Wide / Zone / Center / Flexible Spot (S/M/L)/Expanded Flexible Spot)
Focus point	35mm full frame: 693 points (phase-detection AF), APS-C mode with full frame lens: 299 points (phase-detection AF), with APS-C lens: 221 points (phase-detection AF) / 425 points (contrast-detection AF)
Focus sensor	Exmor R CMOS sensor
Lock-on AF	Yes
Other Features	Predictive control, Focus lock, AF Track Sens, Swt.V/H AF Area, AF Area Regist.
Sensitivity range	EV-3 to EV20 (ISO100 equivalent with F2.0 lens attached)
Type	Fast Hybrid AF(phase-detection AF/contrast-detection AF)
Image sensor	
Anti-Dust function	Yes
Anti-Dust operation (auto)	Cleaning Mode
Anti-Dust system	Charge protection coating on optical filter and image sensor shift mechanism
Color filter	R, G, B primary color
Number of pixels (effective)	Approx. 24.2 megapixels
Number of pixels (total)	Approx. 25.3 megapixels

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Type	35mm full frame 35.6×23.8mm), ExmorR CMOS sensor
Vertical Grip Connector	Yes
Interface	
Multi Interface Shoe	Yes
Lens compensation	
Lens compensation	Peripheral Shading, Chromatic Aberration, Distortion
Movie Function	
AF Tracking Duration	Yes
Audio Level Display	Yes
Audio Rec Level	Yes
Clean HDMI Info.	ON/OFF selectable
HDMI Output	3840 x 2160(25p) 1920 x 1080(50p) 1920 x 1080(50i) 1920 x 1080(24p) 1920 x 1080(60p) 1920 x 1080(60i) 3840 x 2160(30p) 3840 x 2160(24p), YCbCr 4:2:2 8bit / RGB 8bit
PAL/NTSC Selector	Yes
TC/UB	Yes (TC Preset/UB Preset/TC Format/TC Run/TC Make/UB Time Rec)
Other Features	
Area Setting	Yes
Clock Function,Setting	Yes
Help guide	Yes
Shop Front Mode	Yes
Playback	
Modes	Single (with or without shooting information Y RGB histogram & highlight/shadow warning) 9/25-frame index view Enlarged display mode (L: 18.8x, M: 12.3x, S: 9.4x) Auto Review (10/5/2 sec,Off) Image orientation (Auto/Manual/Off selectable) Slideshow Folder selection (Date/ Still/ AVCHD/XAVC S HD/XAVC S 4K) Forward/Rewind (movie) Delete Protect Rating Disp Cont Shoot Grp
Print	
Compatible standards	Exif Print, Print Image Matching III, DPOF setting
Recording system	
File system	FAT12, 16, 32, exFAT
Media	Memory Stick PRO Duo, Memory Stick PRO-HG Duo, Memory Stick Micro(M2), SD memory card, SDHC memory card (UHS-I/II compliant), SDXC memory card (UHS-I/II compliant), microSD memory card, microSDHC memory card, microSDXC memory card
Memory Card Slot	SLOT1:Slot for SD(UHS-I/II compliant) memory card SLOT2:Multi slot for Memory Stick Duo/SD(UHS-I compliant) memory card
Recording mode on 2 memory cards	Simult. Rec (Still), Simult. Rec (Movie), Simult. Rec (Still/Movie), Sort (JPEG/RAW), Sort (Still/Movie), Auto Switch Media (On/Off), Copy
Recording system (movie)	

Audio recording format	XAVC S:LPCM 2ch AVCHD: Dolby Digital (AC-3) 2ch, Dolby Digital Stereo Creator
Color space	xvYCC standard (x.v.Color when connected via HDMI cable) compatible with TRILUMINOS Color
Creative Style	Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn leaves, Black & White, Sepia, Style Box(1-6), (Contrast (-3 to +3 steps), Saturation (-3 to +3 steps), Sharpness (-3 to +3 steps))
Picture Effect	Posterization (Color), Posterization (B/W), Pop Color, Retro Photo, Partial Color (R/G/B/Y), High Contrast Monochrome, Toy Camera(Normal/Cool/Warm/Green/Magenta), Soft High-key
Recording format	XAVC S AVCHD format Ver. 2.0 compliant
Video compression	XAVC S:MPEG-4 AVC/H.264, AVCHD: MPEG-4 AVC/H.264
Recording system (still image)	
Color space	sRGB standard (with sYCC gamut) and Adobe RGB standard compatible with TRILUMINOS Color
Creative Style	Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn leaves, Black & White, Sepia, Style Box(1-6), (Contrast (-3 to +3 steps), Saturation (-3 to +3 steps), Sharpness (-3 to +3 steps))
Delete	Yes
Dynamic Range functions	Off, Dynamic Range Optimizer (Auto/Level (1-5)), Auto High Dynamic Range (Auto Exposure Difference, Exposure Difference Level (1-6 EV, 1.0 EV step))
Image quality modes	RAW, RAW & JPEG (Extra fine, Fine, Standard), JPEG (Extra fine, Fine, Standard)
Image size (pixels) (16:9)	35mm full frame: L:6000 x 3376(20M) M: 3936 x 2216(8.7M) S: 3008 x 1688(5.1M) APS-C: L: 3936 x 2216(8.7M) M: 3008 x 1688(5.1M) S: 1968 x 1112(2.2M)
Image size (pixels) (3:2)	35mm full frame: L: 6000 x 4000(24M) M:3936 x 2624(10M) S: 3008 x 2000(6.0M) APS-C: L:3936 x 2624(10M) M: 3008 x 2000(6.0M) S: 1968 x 1312(2.6M)
Picture Effect	8 types: Posterization (Color), Posterization (B/W), Pop Color, Retro Photo, Partial Color (R/G/B/Y), High Contrast Monochrome, Toy Camera(Normal/Cool/Warm/Green/Magenta), Soft High-key , Rich-tone Monochrome
Recording format	JPEG (DCF Ver. 2.0, Exif Ver.2.31, MPF Baseline compliant), RAW (Sony ARW 2.3 format)
Uncompressed RAW	Yes
Shutter	
Electronic Front Curtain Shutter	Yes(ON/OFF)
Flash sync. speed	1/250 sec.
Shutter speed	Still images:1/8000 to 30 sec, Bulb, Movies: 1/8000 to 1/4(1/3 steps) up to 1/60 in AUTO mode (up to 1/30 in Auto slow shutter mode)
Type	Electronically-controlled, vertical-traverse, focal-plane type
Viewfinder	
Brightness Control	Auto/Manual (5 steps between -2 and +2)
Color temperature control	Manual (5 steps)

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Display	Graphic Display Display All Info. No Disp. Info. Digital Level Gauge Histogram
Eye point	Approx. 23mm from the eyepiece lens, 18.5mm from the eyepiece frame at -1m ¹ (CIPA standard)
Number of dots	2 359 296 dots
White balance	
AWB micro adjustment	Yes
Bracketing	3 frames, H/L selectable
Modes	Auto / Daylight / Shade / Cloudy / Incandescent / Fluorescent Warm White / Cool White / Day White / Daylight / Flash / Underwater/ Color Temperature 2500 to 9900K & color filter/ Custom
Priority Set in AWB	Yes
Wi-Fi	
Send to Computer	Yes
View on Smartphone	Yes
View on TV	Yes
Accessories	
Supplied Accessories	Rechargeable Battery NP-FZ100 AC Adaptor (AC-UUD12) Shoulder strap Body cap Accessory shoe cap Eyepiece cup Micro USB cable

1. In continuous "Hi+" mode. Max. fps depends on camera settings. UHS-II compatible SDXC memory card required.
 2. Class 10 or higher SDHC/SDXC card required for XAVC S movie recording, UHS speed class 3 or higher for 100 Mbps recording.
 3. Connect to an HDR (HLG) compatible Sony TV via a USB cable to view HDR (HLG) movies.
 4. Sony test conditions
 5. Some distortion may occur with fast-moving subjects.
 6. CIPA standards. Pitch/yaw shake only. Planar T* FE 50mm F1.4 ZA lens. Long exposure NR off.
 7. Among non-reflex interchangeable lens digital camera equipped with auto focus function as of February 2018, based on Sony research.
 8. CIPA standards. When using the LCD monitor. 610 images when using the viewfinder.
 9. With SSM or SAM lenses only. With the LA-EA3 mount adaptor. Eye AF not supported for movie recording. AF-C can only be used when the "Phase detection" AF system is selected, but focus is fixed at the first frame during continuous shooting in any mode other than "Continuous: Lo" (Hi+, Hi, Mid).
 10. Only 100 Hz and 120 Hz flicker is detected. Continuous shooting speed may decrease. Flicker-free shooting is not available during silent5 shooting, BULB exposure, or movie recording.
 11. 5x at 24p recording and 4x at 30p.
 12. Not guaranteed to be 100% dust and moisture proof.
 13. Measured with: CPU Intel® Core™ i7-6700 Processor 3.40GHz, Memory 8GB, OS Windows® 7 Professional, and Uncompressed RAW (α7R III L: 7952 x 5304)
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