

## ILCE7M3MB

### Alpha 7 III - Full-frame Mirrorless Interchangeable Lens Camera with SEL28702 Kit

An entirely renewed image sensor and image processing system further enhance image quality. Improved overall AF performance, high-speed continuous shooting of up to 10fps, 4K movie recording capability, and operability that has been dramatically upgraded from the  $\alpha 7$  II allow you to capture more decisive moments.



## Bullets

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- [Check Camera to Lens Compatibility](#)
- [Check Accessory Compatibility](#)
- Advanced 24.2MP Back-Illuminated 35mm Full-frame Image Sensor
- 15-stop<sup>4</sup> dynamic range, 14-bit uncompressed RAW<sup>4</sup>, ISO 50 to 204,800
- Up to 10fps<sup>1</sup> Silent<sup>5</sup> or Mechanical Shutter with AE/AF tracking
- 693 phase-detection / 425 contrast AF points w/ 93% image coverage
- Eye-AF with AF-C; Direct AF point 4-way multi-selector; touch AF
- 4K<sup>2</sup> HDR<sup>3</sup> Movie w/ full pixel readout, no pixel binning or crop
- Long-lasting Z battery for up to 710 images<sup>8</sup> on a full charge
- Secure and versatile dual media slots (1 SD card slot UHS-II compatible)
- 5-axis in-body image stabilization, 5-step<sup>6</sup> shutter speed advantage
- SuperSpeed USB Type-C™ (USB 3.1 Gen 1 compatible) and Micro USB

## Features

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### Back-illuminated 24.2MP full-frame sensor

The 35 mm full-frame Exmor R™ CMOS image sensor features 24.2-megapixel resolution, back illumination, and gapless on-chip lens design for extraordinary sensitivity and dynamic range. Two times faster data readout speed is achieved through copper wires and front-end LSI.

### Entirely enhanced image processing system

A combination of new-generation image processing system and a new sensor achieves an up to 1.5-stop improvement in image quality. A wide ISO sensitivity range of up to ISO 51200 is standard, and approx. up to 15-stop dynamic range at low sensitivity settings is achieved. Upgraded Detail Reproduction and Area-specific Noise Reduction combine to suppress noise and maintain a sense of high overall resolution. Color reproduction, especially of skin and nature scenes, has also been dramatically improved. The  $\alpha 7$  III also supports 14-bit RAW output even during silent shooting/continuous shooting.

### Wider, faster, more steadfast AF performance

An evolved image processing system and  $\alpha 9$  camera AF algorithms optimized for the  $\alpha 7$  III improve AF speed, precision, and tracking performance. 693 phase-detection AF points and 425 contrast-detection AF points provide high-density wide-area coverage. AF speed up to twice as fast and more precise AF tracking performance let you capture and maintain focus on a quickly moving subject in unpredictable motion. The  $\alpha 7$  III also autofocuses reliably down to EV-3 brightness.

### Focal-plane phase-detection AF supports A-mount lenses

Phase-detection AF can operate even when an A-mount lens is mounted to the  $\alpha 7$  III via an LA-EA3 adaptor. The 693-point focal-plane phase-detection AF system provides wide-area coverage, fast response, and high-performance tracking.

### Always keep the eye in focus

Eye AF newly supports AF-C mode with greater precision that dramatically enhances portrait shooting, plus higher AF speed that makes it easier to shoot a portrait of a moving subject, even if the subject looks down and away from the camera or is backlit with face in partial darkness. The  $\alpha 7$  III supports Eye AF for A-mount lenses mounted via an adaptor.

### AF-ON button and multi-selector

The new AF-ON button activates autofocus without any half-press-shutter-button focus sequence, so you can concentrate better on exactly when to release the shutter and capture the moment instantly. A multi-selector lets you shift the point of focus quickly and efficiently. You can select and shift the point of focus intuitively, so you won't miss great chances to shoot moving subjects.

## **Comprehensive AF convenience**

AF tracking sensitivity when shooting stills is adjustable in five steps for subjects that move outside of the focus area. Autofocus areas and points remain the same or change when switching between horizontal and vertical orientations, depending on the shooting situation. AF area registration allows frequently used focus point settings to be memorized and assigned to custom buttons for fast, convenient recall at a touch whenever needed.

## **Up to 10fps with AF/AE tracking**

With new shutter charge unit and image processing system refinements, the  $\alpha 7$  III can shoot continuously at up to 10fps with AF/AE tracking (up to 8fps with minimal display lag in live-view continuous shooting mode) for easy, stable shooting of even intensely active subjects. Up to approximately 177 JPEG images (standard) in full resolution, 89 compressed RAW images, or 40 uncompressed RAW images can be captured in one continuous burst. An electronic shutter allows silent, vibration-free shooting of wildlife and other sensitive situations when even slight noise can mean missing an ideal shot.

## **Enhanced operability for continuous shooting**

Images captured in continuous shooting mode can be displayed as a group. Groups can be deleted or protected in one quick operation. Furthermore, with higher burst capacity and UHS-II media compatibility, the camera significantly streamlines the operation of writing data to memory cards. The Fn button and menu button can be operated to change settings immediately after continuous shooting, while data writing is in progress.

## **Anti-flicker shooting**

Flicker from fluorescent and other artificial lighting is automatically detected and shutter action is timed to minimize the flicker's effect on still images. This suppresses exposure and color anomalies at the top and bottom of images shot at high shutter speeds, as well as exposure and color inconsistency between continuous shots, so you can take images indoors with more confidence.

## **Clear, natural, realistic 4K movies**

High-resolution full-frame 4K movies with full-pixel readout without pixel binning that condenses approximately 2.4 times the amount of data required for 4K movies (QFHD: 3840 x 2160) results in minimal moiré and jaggies. Advanced image processing makes it possible to record full-frame 4K movies with outstanding image quality in the mid-to-high ISO range, so you make the most of the 4K movie format's unique potential in every shot. Super 35 mm can also be selected, instead of full-frame mode, as needed.

## **Supports a wide range of needs in HDR movie production**

Supporting a wide range of HDR movie production needs, the  $\alpha 7$  III offers S-Log3 as well as S-Log2 gamma curves, for great flexibility to fine-tune images as desired through color grading operation in post-production [1], and a new HLG (Hybrid Log-Gamma) picture profile for instant HDR workflow. However, color grading is not required to enjoy instant playback of high-quality, true-to-life images [2] with no blocked shadows or blown highlights on an HDR (HLG) compatible TV.

## **Versatile movie recording functions**

The  $\alpha 7$  III provides a wide array of functions to facilitate workflows of professional videographers, including clean HDMI output, time code / user bits (TC/UB), rec. control, marker display/setting, zebra function, Slow and Quick Motion, simultaneous proxy movie recording, extraction and separate storage of a still from a movie, and Gamma Display Assist function, among others.

## **Improved Fast Hybrid AF for movie recording**

An efficient combination of focal-plane phase-detection AF and contrast-detection AF accurately locks onto even fast-moving subjects, then tracks them smoothly during movie recording. AF coverage for movies extends across an area almost as wide as the AF coverage area for still images, so once the high-density AF system locks onto a movie subject, the camera continues to track it steadily and tenaciously. Three AF drive speed settings give you freedom to use slow focus effects when shooting movie scenes.

## **My Menu and new menu interface**

My Menu lets you register and arrange up to 30 menu items in order of frequency of use for instant recall, and unused items can be erased, as needed. A custom menu can be created to suit particular shooting needs. The  $\alpha 7$  III has primary menus reorganized for easier searching, with group names and page numbers at the top of the displays.

## **Rating function convenient for on-location sorting**

Ratings from 1 to 5 stars can be applied to still images and maintained as the images are imported into PlayMemories Home or the new Imaging Edge software suite from Sony running on a PC. This function and a protect function to prevent accidental image deletion can each be assigned to a custom button (C3 by default for protect). Ratings and protection can be applied via review playback display and continuous groups can be reviewed, protected, and deleted while you're on location or traveling.

## **Promptly changeable customization**

Camera setups can be registered (up to two in the camera and four on a memory card) for quick access via mode dial. Up to 81

functions can be assigned to 11 custom keys, and even sets of customized functions can be assigned for stills, movies, and playback. Recall Custom Setting During Hold function is convenient for temporary recall of shooting settings assigned to custom buttons while such a button is held.

### **High-resolution, high-contrast XGA OLED Tru-Finder™**

Providing high resolution and contrast, plus the excellent gradation and color reproduction that are advantages of OLED viewfinders, this approximately 2359K-dot XGA OLED Tru-Finder™ faithfully depicts images with clear corner-to-corner visibility. Magnification is 0.78x (approx. 38.5° diagonal FOV). ZEISS T\* coating greatly reduces obtrusive lens reflection on the ocular lens. Start-up is approximately 40% faster than with the α7 II when the camera is switched on. Furthermore, view mode can be set to "High" to provide finer and more natural details by taking maximum advantage of the data read from the 24.2 effective megapixel sensor.

### **Touch screen LCD for easy instant focus operation**

A 3.0-type 922K-dot LCD screen offers touch screen operation and bright, clear, finely detailed views even outdoors. Use Touch Focus to focus instantly on a point that you touch on the screen and Touch Pad to drag the focus frame with a fingertip on the LCD as you monitor the shot through the viewfinder. This LCD tilts up by as much as 107°, and down by as much as 41° for flexible, convenient camera holding and shot monitoring.

### **In-body 5-axis image stabilization with 5.0-stop shutter speed advantage**

This comprehensive system compensates for five types of camera shake that tend to blur images: pitch/yaw shake when shooting at longer focal lengths; X/Y shake in close-up (including macro) shooting; and roll shake when recording stills at night and movies. It effectively achieves 5.0-stop-faster shutter speed, so the α7 III can take full advantage of its high-quality imaging capability and live-view image performance. Furthermore, it functions with A-mount lenses attached via mount adaptor, as well as E-mount lenses.

### **Location Information Link via Bluetooth**

The camera can be paired with Imaging Edge Mobile app installed on a compatible mobile phone or tablet device to acquire location data, record it on still images, and correct camera date/time and location settings.

### **Smooth PC tethering via USB 3.1 Gen 1 port**

A USB Type-C™ port supporting fast USB 3.1 Gen 1 facilitates high-speed PC Remote transfer of large RAW data files, so you can quickly review images on a PC and continue shooting without delay. Also, a setting to transfer only JPEG files to PC lets you check images via PC even more quickly after continuous shooting because the camera doesn't have to send big volumes of RAW data.

### **Longer battery life to shoot for more professional lengths**

For extended periods of confident shooting, the NP-FZ100 battery has approximately 2.2 times the capacity of an NP-FW50 battery. You can shoot up to approximately 710 photos with one full charge and an optional VG-C3EM Vertical Grip can hold two batteries. USB Type-C™ and Multi/Micro USB ports allow external mobile batteries to power the camera for extended recording. Even more conveniently, accessories such as a remote control unit can be used via Multi/Micro USB port while power is supplied via USB Type-C™ port. BC-QZ1 optional battery charger allows quicker charging than charging via USB.

### **Dual slots with UHS-II compatibility**

This camera provides two media slots for SD card (UHS-II-compatible for fast data writing) and SD card/Memory Stick, respectively. Two cards in the slots can be used to simultaneously record or relay record data, separate RAW data from JPEG data, or stills from movies, and copy data from one card to the other. The memory card cover is lockable to prevent it from being opened unintentionally.

### **Highly durable and operable in tough conditions**

The α7 III functions reliably in challenging environments. Its body is fortified by lightweight, high-rigidity magnesium alloy top cover, front cover, and internal frame. The number of lens mount screws has been increased to six for enhanced durability. Major buttons and dials are sealed. Sealing is provided throughout the body to minimize entry of dust and moisture.

### **One-touch remote & One-touch sharing**

One-touch remote can turn a smartphone or tablet into a viewfinder/remote control. One-touch sharing transfers photos/videos to your device for social network site (SNS) sharing. Just install an Imaging Edge Mobile app via Wi-Fi to your NFC-enabled Android device, and then touch the device to the camera to connect them. If you don't have NFC, use QR code compatibility to pair the devices.

### **Imaging Edge™ Remote, Viewer, and Edit**

Elevate your photography with Imaging Edge desktop applications. Use "Remote" to control and monitor shooting live on your PC screen; "Viewer" to quickly preview, rate, and select photos from large image libraries; and "Edit" to develop RAW data into high-quality photos for delivery. Get the best from Sony RAW files, and manage your productions more efficiently.

## Works with iMovie and Final Cut Pro X

This product is compatible with Final Cut Pro X and iMovie.

### Capture One (for Sony)

Capture One Express (for Sony) is a free award-winning image editing software that provides high-end image quality RAW development, easy management of your image files, and powerful editing tools. Capture One Pro (for Sony) can be bought for even more editing tools and tethered shooting capability.

## Specification

Audio	
Microphone	Built-in stereo microphone or XLR-K2M/XLR-K1M/ECM-XYST1M (sold separately)
Speaker	Built-in, monaural
Custom function	
Type	Custom key settings, Programmable Setting (Body 2 sets /memory card 4 sets), My Menu, Reg Cust Shoot Set
Drive	
Continuous Drive Speed (approx. max.)	Continuous shooting: Hi+: max. 10 fps, Hi: max. 8 fps, Mid: max. 6fps, Lo: max. 3 fps
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
No. of recordable frames (approx.)	JPEG Extra fine L: 163 frames, JPEG Fine L: 172 frames, JPEG Standard L: approx. 177 frames, RAW: 89 frames, RAW & JPG: 79 frames, RAW (Uncompressed): 40 frames, RAW (Uncompressed) & JPG: 36 frames
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
Exposure	
AE Lock	Locked when shutter button is pressed halfway. Available with AE lock button (On/Off/Auto)
Anti-Flicker Shoot.	Yes
Exposure 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 (iAuto), 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 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 to ISO 102400 can be set as expanded ISO range.), AUTO (ISO 100-12800, selectable lower limit and upper limit)
Metering Mode	Multi-segment, Center-weighted, Spot, Spot Standard/Large, Entire Screen Avg., Highlight
Metering Sensitivity	EV -3 to EV 20 (at ISO100 equivalent with F2.0 lens attached)
Metering Sensor	Exmor R® CMOS sensor
Metering Type	1200-zone evaluative metering
Scene Selection	Portrait, Sports Action, Macro, Landscape, Sunset, Night Scene, Night Portrait
Flash Control	

Control	Pre-flash TTL
External Flash Compatibility	Sony $\alpha$ System Flash compatible with Multi Interface Shoe, attach the shoe adapter for flash compatible with Auto-lock accessory shoe
FE Level Lock	Yes
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.
Wireless Control	Yes (Light signal: Available with Fill-flash, Slow Sync., Hi-speed sync. /Radio signal: Available with Fill-flash, Rear Sync., Slow Sync., Hi-speed sync.)
<b>Focus</b>	
AF Illuminator	Yes (with built-in LED type)
AF Illuminator range	Approx. 0.3 m - approx. 3.0 m (with FE 28-70 mm F3.5-5.6 OSS attached)
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 Mode	AF-A (Automatic AF), AF-S (Single-shot AF), AF-C (Continuous AF), DMF (Direct Manual Focus), Manual Focus
Focus Point	35 mm 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 Sensitivity Range	EV-3 to EV 20 (ISO 100 equivalent with F2.0 lens attached)
Focus Sensor	Exmor R <sup>®</sup> CMOS sensor
Focus Type	Fast Hybrid AF (phase-detection AF/contrast-detection AF)
Focus type with LA-EA3 (Sold separately)	selectable (phase-detection, contrast-detection)
Other Features	Eye-start AF (only with LA-EA2 or LA-EA4 attached (sold separately)), Lock-on AF, Eye AF, AF micro adjustment with LA-EA2 or LA-EA4 (sold separately), Predictive control, Focus lock, AF Track Sens, Swt. V/H AF Area, AF Area Regist.
<b>Image Sensor</b>	
Anti-Dust System	Charge protection coating on optical filter and image sensor shift mechanism
Aspect Ratio	3 : 2
Number Of Pixels (Effective)	Approx. 24.2 megapixels
Number of Pixels (total)	Approx. 25.3 megapixels
Sensor Type	35 mm full frame (35.6 × 23.8 mm), Exmor R <sup>®</sup> CMOS sensor
<b>Image Stabilization</b>	
Compensation Effect	5.0 stops (based on CIPA standard. Pitch/yaw shake only. With Planar T* FE 50mm F1.4 ZA lens mounted. Long exposure NR off.)
TYPE	Image Sensor-Shift mechanism with 5-axis compensation (compensation depends on lens specifications)
<b>Interface</b>	
Auto-lock Accessory Shoe	-
Bluetooth <sup>®</sup>	Yes (Bluetooth Standard Ver. 4.1 (2.4 GHz band))
DC IN Terminal	-
HD Output	HDMI micro connector (Type-D),BRAVIA Sync (Control for HDMI), PhotoTV HD, 4K movie output/4K still image PB

Headphone Terminal	Yes (3.5 mm Stereo minijack)
LAN Terminal	-
Mic Terminal	Yes (3.5 mm Stereo minijack)
Multi Interface Shoe	Yes
Multi/Micro USB Terminal	Yes
NFC™	Yes (NFC forum Type 3 Tag compatible), One-touch remote, One-touch sharing
PC Interface	Mass-storage, MTP, PC remote
PC Remote	Yes
Smart Accessory Terminal 2	-
Sync terminal	-
USB Type-C™ Terminal	Yes (SuperSpeed USB (USB 3.1 Gen 1) compatible)
Vertical Grip Connector	Yes
Wireless LAN (Built-In)	Wi-Fi Compatible, IEEE 802.11b/g/n (2.4 GHz band), View on Smartphone, Remote control via Smartphone, Send to Computer, View on TV
<b>LCD Screen</b>	
Adjustable Angle	Up by approx. 107 degrees, Down by approx. 41 degrees
Brightness Control	Manual (5 steps between -2 and +2), Sunny Weather mode
Display Content	Graphic Display, Display All Info, No Disp. Info, Digital Level Gauge, Histogram, For viewfinder, Monitor Off
Display Selector (Finder/LCD)	Yes (Auto/Manual)
Focus Magnifier	Yes (35mm full frame: 5.9x, 11.7x, APS-C: 3.8x, 7.7x)
Monitor Type	2.95 inch (3.0-type) wide type TFT
Number of Dots	921,600 dots
Others	Grid Line (Rule of 3rds Grid/Square Grid/Diag. + Square Grid/Off), Movie Marker (Center/Aspect/Safety Zone/Guideframe)
Peaking MF	Yes (Level setting: High/Mid/Low/Off, Color: White/Red/Yellow)
Quick Navi	Yes
Real-time Image Adjustment Display (LCD)	On/Off
Touch Panel	Yes
Zebra	Yes (selectable level + range or lower limit as custom setting)
<b>Lens</b>	
Lens Compatibility	Sony E-mount lenses
Lens Mount	E-mount
<b>Lens Compensation</b>	
Setting	Peripheral Shading, Chromatic Aberration, Distortion
<b>Noise Reduction</b>	
Multi Frame NR	-
Noise Reduction	Long exposure NR: On/Off, available at shutter speeds longer than 1 sec., High ISO NR: Normal/Low/Off
<b>Other Features</b>	
Clear Image Zoom	Still images: Approx. 2x, Movies: Approx. 1.5x (4K), Approx. 2x (HD)
	Smart zoom (Still images): 35 mm full frame: M: approx 1.5x, S: approx 2x, APS-C: M: approx 1.3x, S: approx 2x, Digital zoom (Still images): 35 mm full frame: L: approx 4x,

Digital Zoom	M: approx 6.1x, S: approx 8x, APS-C: L: approx 4x, M: approx 5.2x, S: approx 8x, Digital zoom (Movie): 35 mm full frame: approx 4x, APS-C: approx 4x
Eye-Fi ready	-
Face Detection	Modes: Face Priority in AF (On/Off), Face Priority in Multi Metering (On/Off), Regist. Faces Priority (On/Off), Face registration, Max. number of detectable: 8
Others	Touch Focus: Yes (Available with LCD monitor or Viewfinder operation), ISO AUTO Min. SS, Bright Monitoring, Set File Name, FTP Transfer Func., Help guide, Area Setting, Shop Front Mode, Video Light Mode, Zoom Ring Rotate
PlayMemories Camera Apps™	-
Self-Portrait Self-Timer	-
<b>Others</b>	
Operating Temperature	32 - 104 degrees F / 0 - 40 degrees C
<b>Playback</b>	
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
Photo Capture	Yes
<b>Power</b>	
Battery Life (Movie, actual recording)	Approx. 115 min (Viewfinder) / Approx. 125 min (LCD monitor) (CIPA standard)
Battery Life (Movie, continuous recording)	Approx. 200 min (Viewfinder) / Approx. 210 min (LCD monitor) (CIPA standard)
Battery Life (Still Images)	Approx. 610 shots (Viewfinder) / approx. 710 shots (LCD monitor) (CIPA standard)
Internal Battery Charge	Yes (Available with Multi/Micro USB Terminal or USB Type-C Terminal)
Power consumption with LCD screen	Still images: approx. 2.8 W (with FE 28-70 mm F3.5-5.6 OSS lens attached), Movies: approx. 4.7 W (with FE 28-70 mm F3.5-5.6 OSS lens attached)
Power consumption with Viewfinder	Still images: approx. 3.2 W (with FE 28-70 mm F3.5-5.6 OSS lens attached), Movies: approx. 4.9 W (with FE 28-70 mm F3.5-5.6 OSS lens attached)
Supplied Battery	One rechargeable battery pack NP-FZ100
USB Power Supply	Yes (Available with Multi/Micro USB Terminal or USB Type-C Terminal)
<b>Print</b>	
Compatible Standards	Exif Print, Print Image Matching III, DPOF setting
<b>Recording (still images)</b>	
14bit RAW	Yes
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))
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]	35 mm full frame L: 6000 x 3376 (20 M), 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]	35 mm 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)

Image Size (pixels) [Sweep Panorama]	-
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
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
Recording Format	JPEG (DCF Ver. 2.0, Exif Ver.2.31, MPF Baseline compliant), RAW (Sony ARW 2.3 format)
Uncompressed RAW	Yes
<b>Recording (movie)</b>	
Audio Recording Format	XAVC S: LPCM 2ch, AVCHD: Dolby® Digital (AC-3) 2ch, Dolby® Digital Stereo Creator
Clean 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 8-bit / RGB 8-bit
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))
Image Size (pixels), NTSC	XAVC S 4K: 3840 x 2160 (30p, 100 M), 3840 x 2160 (24p, 100 M), 3840 x 2160 (30p, 60 M), 3840 x 2160 (24p, 60 M), XAVC S HD: 1920 x 1080 (120p, 100M), 1920 x 1080 (120p, 60M), 1920 x 1080 (60p, 50M), 1920 x 1080 (30p, 50M), 1920 x 1080 (24p, 50M), 1920 x 1080 (60p, 25M), 1920 x 1080 (30p, 16M), AVCHD: 1920 x 1080 (60i, 24M, FX), 1920 x 1080 (60i, 17M, FH)
Image Size (pixels), PAL	XAVC S 4K: 3840 x 2160 (25p, 100M), 3840 x 2160 (25p, 60M), XAVC S HD: 1920 x 1080 (100p, 100M), 1920 x 1080 (100p, 60M), 1920 x 1080 (50p, 50M), 1920 x 1080 (25p, 50M), AVCHD: 1920 x 1080 (50i, 24M, FX), 1920 x 1080 (50i, 17M, FH)
Movie Functions	Audio Level Display, Audio Rec Level, PAL/NTSC Selector, Yes (1280 x 720 (Approx.9 Mbps)), TC/UB (TC Preset/UB Preset/TC Format/TC Run/TC Make/UB Time Rec), Auto Slow Shutter, REC Control, Clean HDMI Info. (ON/OFF selectable), Gamma Disp. Assist
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
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
Recording Format	XAVC S, AVCHD format Ver. 2.0 compliant
Slow & quick motion (recording frame rate & image size)	NTSC mode: 1920x1080 (60p, 30p, 24p), PAL mode: 1920x1080 (50p, 25p)
Slow & quick motion (shooting frame rate)	NTSC mode: 1fps, 2fps, 4fps, 8fps, 15fps, 30fps, 60fps, 120fps, PAL mode: 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps
Video Compression	XAVC S: MPEG-4 AVC/H.264, AVCHD: MPEG-4 AVC/H.264
<b>Recording System</b>	
Location information Link from smartphone	Yes
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

Shutter	
Electronic Front Curtain Shutter	Yes (ON/OFF)
Flash Sync. Speed	1/250 sec.
Shutter Speed	Still images: 1/8000 to 30 s, 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)
Shutter Type	-
Silent Shooting	Yes (ON/OFF)
TYPE	Electronically controlled, vertical-traverse, focal-plane type
Size & Weight	
Dimensions (W x H x D)	Approx. 126.9 mm x 95.6 mm x 73.7 mm, Approx. 126.9 mm x 95.6 mm x 62.7 mm (from grip to monitor)/Approx. 5 x 3 7/8 x 3 inches, Approx. 5 x 3 7/8 x 2 1/2 inches (from grip to monitor)
Weight (with battery and memory card included)	Approx. 1 lb 7.0 oz / 650 g
Viewfinder	
Brightness Control (Viewfinder)	Auto/Manual (5 steps between -2 and +2)
Color Temperature Control	Manual (5 steps)
Diopter Adjustment	-4.0 to +3.0 m <sup>-1</sup>
Display Contents	Graphic Display, Display All Info, No Display Info, Digital Level Gauge, Histogram
Eye Point	Approx. 23 mm from the eyepiece lens, 18.5 mm from the eyepiece frame at -1m <sup>-1</sup> (CIPA standard)
Field Coverage	100%
Finder Frame Rate Selection	-
Magnification	approx. 0.78 x (with 50mm lens at infinity, -3.28 feet <sup>-1</sup> )
Number of Dots	2,359,296 dots
Viewfinder Type	1.3 cm (0.5 type) electronic viewfinder (color), XGA OLED
White Balance	
AWB Micro Adjustment	Yes G7 to M7, 57-step A7 to B7, 29-step
Bracketing	3 frames, H/L selectable
Priority Set in AWB	Yes
White Balance Modes	Auto / Daylight / Shade / Cloudy / Incandescent / Fluorescent / Warm White / Cool White / Day White / Daylight / Flash / Underwater / Color Temperature 2500 to 9900K & color filter G7 to M7 (57-step), A7 to B7 (29-step) / Custom
What's in the Box	
Supplied Accessories	AC Adaptor AC-UUD12 Accessory shoe cap Body cap Eyepiece cup Lens cap Lens hood Lens rear cap Micro USB cable Rechargeable Battery NP-FZ100 SEL28702 Shoulder strap
General Features	
Lithium Battery	Yes

Chemistry of Embedded Battery	Lithium Metal
Battery Form	Rechargeable

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)
14. Source: The NPD Group, Inc., U.S. Weekly Retail Tracking Service, Detachable Lens Camera, Sensor Size: Full Frame, Jan. 5, 2020 - Oct. 10, 2020.

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