Lens	
Lens Compatibility	Sony E-mount lenses
Lens Mount	E-mount
Image Sensor	
Aspect Ratio	3:2
Number Of Pixels (Effective)	Approx. 24.2 megapixels
Number of Pixels (total)	Approx. 25.0 megapixels
Sensor Type	APS-C type (23.5 x 15.6 mm), Exmor® CMOS sensor
Anti-Dust System	Charge protection coating on optical filter and ultrasonic, vibration mechanism
Recording (still images)	
Image Size (pixels) [16:9]	L: 6000 x 3376 (20M), M: 4240 x 2400 (10M), S: 3008 x 1688 (5.1M)
IMAGE SIZE (PIXELS) [1:1]	L: 4000x4000 (16M), M: 2832x2832 (8.0M), S: 2000x2000 (4.0M)
14bit RAW	Yes
Image Size (pixels) [Sweep Panorama]	Wide: horizontal 12,416 x 1,856 (23M), vertical 5,536 x 2,160 (12M), Standard: horizontal 8,192 x 1,856 (15M), vertical 3,872 x
Picture Effect	13 types: Posterization (Colour), Posterization (B/W), Pop Colour, Retro Photo, Partial Colour (R/G/B/Y), High Contrast Monoch (Normal/Cool/Warm/Green/Magenta), Soft High-key, Soft Focus (High/Mid/Low), HDR Painting (High/Mid/Low), Rich-tone Mono (Auto/Top/Middle (H)/Bottom/Right/Middle (V)/Left), Watercolour, Illustration (High/Mid/Low)
Creative Style	Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn leaves, Black and white, Sepia, (Contrast (-3 to +3 steps), Saturation (-3 to +3 steps), Sharpness (-3 to +3 steps))
Picture Profile	Yes (Off/PP1-PP10) Parameters: Black level, Gamma (Movie, Still, Cine1-4, ITU709, ITU709 [800%], S-Log2, S-Log3, HLG, HL Knee, Colour Mode, Saturation, Colour Phase, Colour Depth, Detail, Copy, Reset
Dynamic Range Functions	Off, Dynamic Range Optimizer (Auto/Level (1-5)), Auto High Dynamic Range (Auto Exposure Difference, Exposure Difference L step))
Colour Space	sRGB standard (with sYCC gamut) and Adobe RGB standard compatible with TRILUMINoS Colour
Uncompressed RAW	-
Recording system (Still Image)	
Recording Format	JPEG (DCF Ver. 2.0, Exif Ver.2.31, MPF Baseline compliant), RAW (Sony ARW 2.3 format)
Image Size (pixels) [3:2]	L: 6000 x 4000 (24M), M: 4240 x 2832 (12M), S: 3008 x 2000 (6.0M)
Image Quality Modes	RAW, RAW & JPEG (Extra fine, Fine, Standard), JPEG (Extra fine, Fine, Standard)
Recording (movie)	
Recording Format	XAVC S, AVCHD format Ver. 2.0 compliant
Colour Space	xvYCC standard (x.v.Colour when connected via HDMI cable) compatible with TRILUMINoS Colour
Picture Effect	Posterization (Colour), Posterization (B/W), Pop Colour, Retro Photo, Partial Colour (R/G/B/Y), High Contrast Monochrome, Toy (Normal/Cool/Warm/Green/Magenta), Soft High-key
Creative Style	Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn leaves, Black & White, Sepia, S (-3 to +3 steps), Saturation (-3 to +3 steps), Sharpness (-3 to +3 steps))
Picture Profile	Yes (Off/PP1-PP10) Parameters: Black level, Gamma (Movie, Still, Cine1-4, ITU709, ITU709 [800%], S-Log2, S-Log3, HLG, HL Knee, Colour Mode, Saturation, Colour Phase, Colour Depth, Detail, Copy, Reset
Image Size (pixels), NTSC	XAVC S 4K: 3840 x 2160 (30p, 100M), 3840 x 2160 (24p, 100M), 3840 x 2160 (30p, 60M), 3840 x 2160 (24p, 60M), XAVC S HI 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, 1080(30p, 16M), AVCHD: 1920 x 1080 (60i, 24 M, FX), 1920 x 1080 (60i, 17 M, 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, 6 50M), 1920 x 1080 (25p, 50M), 1920 x 1080 (50p, 25M), 1920 x 1080 (25p, 16M), AVCHD:1920 x 1080 (50i, 24M, FX), 1920 x 1080 (25p, 16M), AVCHD:1920 x 1080 (50i, 24M, FX), 1920 x 1080 (50i, 24M,
Slow and 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
Slow and quick motion (recording frame rate and image size)	NTSC mode: 1920 x 1080 (60p, 30p, 24p), PAL mode: 1920 x 1080 (50p, 25p)
Movie Functions	Audio Level Display, Audio Rec Level, PAL/NTSC Selector, Proxy Recording (1280 x 720 (Approx.9Mbps)), TC/UB (TC Preset/L Run/TC Make/UB Time Rec), Auto Slow Shutter, REC Control, Clean HDMI Info. (ON/OFF selectable), Gamma Disp. Assist
HDMI Output	3840 x 2160 (30p), 3840 x 2160 (25p), 3840 x 2160 (24p), 1920 x 1080 (60p), 1920 x 1080 (60i), 1920 x 1080 (50p), 1920 x 1080 (
Recording system (Movie)	
VIDEO COMPRESSION	XAVC S: MPEG-4 AVC/H.264, AVCHD: MPEG-4 AVC/H.264
AUDIO RECORDING FORMAT	XAVC S: LPCM 2ch, AVCHD: Dolby <sup>®</sup> Digital (AC-3) 2ch, Dolby <sup>®</sup> Digital Stereo Creator
Recording System	
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 memory card (UHS-I compliant), microSD memory card, microSDHC memory card, microSDXC memory card
Memory Card Slot	Multi slot for Memory Stick <sup>™</sup> Duo/SD memory card
Noise Reduction	· · · · · · · · · · · · · · · · · · ·
Noise Reduction	Long exposure NR: On/Off, available at shutter speeds longer than 1 s, High ISO NR: Normal/Low/Off
Multi Frame NR	Auto/ISO 100 to 102400
White Balance White Balance Modes	Auto / Daylight / Shade / Cloudy / Incandescent / Fluorescent (Warm White / Cool White / Day White / Daylight) / Flash /Underw (2500 to 9900K) and colour filter (G7 to M7 (57-step), A7 to B7 (29-step)) / Custom
AWB Micro Adjustment	
Priority Set in AWB	Yes (G7 to M7, 57-step) (A7 to B7, 29-step) Yes
SHUTTER AWB LOCK	Yes (Shut. Halfway Down/Cont. Shooting/Off)
	3 frames, H/L selectable
Bracketing	3 Harries, Fi/L selectable
Focus	5
Focus Type	Fast Hybrid AF (phase-detection AF/contrast-detection AF) <sup>20</sup>
Focus Sensor	Exmor CMOS sensor
Focus Point	425 points (phase-detection AF)/425 points (contrast-detection AF)
Focus Sensitivity Range	EV-2 to EV20 (ISO100 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 (425 points (phase-detection AF), 425 points (contrast-detection AF))/Zone/Centre/Flexible Spot (S/M/L)/Expanded Flexible (Wide/Zone/Centre/Flexible Spot (S/M/L)/Expanded Flexible Spot)
Other Features	Eye-start AF (only with LA-EA2 or LA-EA4 attached (Sold separately)), Object Tracking, Eye AF (Right/Left Eye Select), AF micr EA2 or LA-EA4 (Sold separately), Predictive control, Focus lock, Swt.V/H AF Area, AF Area Regist., Circ. of Focus Point
AF Illuminator	Yes (with Built-in LED type)
AF Illuminator Range	Approx. 0.3- approx. 3.0m (with E PZ 16-50mm F3.5-5.6 OSS lens attached)
Focus type with LA-EA3 (Sold separately)	phase-detection
Exposure	
Metering Sensor	Exmor CMOS sensor
Metering Sensitivity	EV-2 to EV20 (at ISO100 equivalent with F2.0 lens attached)
Metering Mode	Multi-segment, Centre-weighted, Spot, Spot Standard/Large, Entire Screen Avg., Highlight
Exposure Compensation	+/- 5.0EV (1/3 EV, 1/2 EV steps selectable)
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 2/3, or 1.0 EV increments.
AE Lock	Locked when shutter button is pressed halfway. Available with AE lock button. (On/Off/Auto)
Exposure Modes	AUTO (iAuto/Superior Auto), Programmed AE (P), Aperture priority (A), Shutter-speed priority (S), Manual (M), Movie (Programmed (M), Shutter-speed priority (A)/Shutter-speed priority (S)/Manual (M)), Slow and Quick Motion (Programmed AE (P)/Aperture priority (A)/Shutter-speed (M)), Sweep Panorama, Scene Selection
ISO Sensitivity	Still images: ISO 100-32000 (ISO numbers up to ISO 102400 can be set as expanded ISO range.), AUTO (ISO 100-6400, select upper limit), Movies: ISO 100-32000 equivalent, AUTO (ISO 100-6400, selectable lower limit and upper limit)
Scene Selection	Portrait, Sports Action, Macro, Landscape, Sunset, Night Scene, Hand-held Twilight, Night Portrait, Anti Motion Blur
Metering Type	1200-zone evaluative metering
Viewfinder	
Viewfinder Type	1.0 cm (0.39 type) electronic viewfinder (colour)
Number of Dots	2 359 296 dots
Brightness Control (Viewfinder)	Auto/Manual (5 steps between -2 and +2)
Colour Temperature Control	Manual (5 steps)
Field Coverage	100%
Magnification	Approx. 1.07x (35mm camera equivalent: Approx. 0.70x) with 50mm lens at infinity, -1m <sup>-1</sup>
Dioptre Adjustment	-4.0-+3.0 m <sup>-1</sup>
Eye Point	Approx. 23 mm from the eyepiece lens, 21.4 mm from the eyepiece frame at -1 m <sup>-1</sup> (CIPA standard)
Finder Frame Rate Selection	NTSC mode: STD 60fps / HI 120fps, PAL mode: STD 50fps / HI 100fps
Display Contents	Graphic Display, Display All Info., No Disp. Info., Digital Level Gauge, Histogram
	C. aprilio 2. opiary, Stopiary 7 in 1110s, 110 Stops inition, Digital Eurol Guago, Histograffi
LCD Screen  Monitor Type	7.5cm (3.0-type) wide type TET
Monitor Type	7.5cm (3.0-type) wide type TFT

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Touch Panel	Yes
Number of Dots	921 600 dots
Brightness Control	Manual (5 steps between -2 and +2), Sunny Weather mode
Adjustable Angle	Up by approx. 180 degrees, Down by approx. 74 degrees
Real-time Image Adjustment Display (LCD)	On/Off
Quick Navi	Yes
Focus Magnifier	Yes Focus Magnifier (5.9x, 11.7x)
Zebra	Yes (selectable level + range or lower limit as custom setting)
Peaking MF	Yes (Level setting: High/Mid/Low/Off, Colour: White/Red/Yellow/Blue)
Others	WhiteMagic, Grid Line (Rule of 3rds Grid/Square Grid/Diag. + Square Grid/Off), Movie Marker (Centre/Aspect/Safety Zone/Guid
Display Content	Graphic Display, Display All Info, No Disp. Info, Digital Level Gauge, Histogram, For viewfinder, Monitor Off
Other Features	
PlayMemories Camera Apps™	-
Clear Image Zoom	Still images: Approx. 2x, Movies: Approx. 1,5x (4K), Approx. 2x (HD)
Digital Zoom	Smart zoom (Still images): M: Approx. 1.4x, S: Approx. 2x, Digital zoom (Still images): L: Approx. 4x, M: Approx. 5.7x, S: Approx (Movie): Approx. 4x
Face Detection	Modes: Face Priority in AF (On/Off), Face Priority in Multi Metering (On/Off), Regist. Faces Priority (On/Off), Face registration, Metectable: 8
Self-Portrait Self-Timer	Yes
Others	Interval Recording, Smile Shutter: Smile shutter (selectable from three steps), Touch Shutter, Touch Focus: Yes (Touch Focus/T Tracking), ISO AUTO Min. SS, Bright Monitoring, Set File Name, Help guide, Area Setting, Shop Front Mode, Zoom Ring Rotate
Eye-Fi ready	-
Shutter	
Type	Electronically-controlled, vertical-traverse, focal-plane type
Shutter Speed	Still images:1/4000 to 30 sec, Bulb, Movies: 1/4000 to 1/4 (1/3 steps), up to 1/60 in AUTO mode (up to 1/30 in Auto slow shutter
Flash Sync, Speed	1/160 s <sup>21</sup>
Electronic Front Curtain Shutter	Yes (ON/OFF)
Silent Shooting	Yes (ON/OFF)
Flash Control	
Type	Built-in flash
Guide No.	6 (in metres at ISO 100)
Flash coverage	16mm (focal-length printed on the lens body)
Control	Pre-flash TTL
Flash Compensation	+/- 3.0 EV (switchable between 1/3 and 1/2 EV steps)
·	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 Bracketing Flash Modes	Flash off, Autoflash, Fill-flash, Slow Sync., Rear Sync., Red-eye reduction (on/off selectable), Wireless control <sup>22</sup> , Hi-speed sync
	Approx. 4 sec
Recycling Time	Sony α System Flash compatible with Multi Interface Shoe, attach the shoe adaptor for flash compatible with Auto-lock accessor
External Flash Compatibility  FE Level Lock	Yes
Wireless Control	Yes (Light signal: Available with Fill-flash, Slow Sync., Hi-speed sync. /Radio signal: Available with Fill-flash, Rear Sync., Slow S
I	res (Light sighal. Available with Fill-liash, Slow Synta, Hi-speed Synta. Available with Fill-liash, Near Synta, Slow S
Image Stabilization	Not considered (for each table) and the latest and
Туре	Not supported (image stabilization supported on lens)
<b>Drive</b> Drive Modes	Single Shooting, Continuous shooting (Hi+/Hi/Mid/Lo selectable), Self-timer, Self-timer (Cont.), Bracket: Single, Bracket: Cont., DRO bracket
Continuous Drive Speed (approx. max.)	Continuous shooting: Hi+: 11 fps, Hi: 8fps, Mid: 6fps, Lo: 3fps <sup>23</sup>
No. of recordable frames (approx.)	JPEG Extra fine L: 99 frames, JPEG Fine L: 115 frames, JPEG Standard L: 116 frames, RAW: 46 frames, RAW and JPG: 44 fra
Self-Timer	10 s delay/5 s delay/2 s delay/Continuous self-timer (3 frames after 10 s delay/5 frames after 10 s delay/5 frames after 2 s delay/5 frames after
Playback	
Playback Photo Capture	Yes

Operating Temperature

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	Slideshow, Panorama scrolling, Folder selection (Date/Still/AVCHD/XAVC S HD/XAVC S 4K), Forward/Rewind (movie), Delete, Found Shoot Grp
Interface	
PC Interface	Mass-storage, MTP, PC remote
Multi/Micro USB Terminal	Yes <sup>25</sup>
NFC™	Yes (NFC forum Type 3 Tag compatible), One-touch remote, One-touch sharing
Wireless LAN (Built-In)	Wi-Fi® Compatible, IEEE 802.11b/g/n (2.4GHz band) <sup>26</sup> , View on Smartphone, Remote control via Smartphone, Send to Comput
HD Output	HDMI micro connector (Type-D), BRAVIA <sup>®</sup> Sync (Control for HDMI), PhotoTV HD, 4K movie output/4K still image PB
DC IN Terminal	-
Sync Terminal	-
Bluetooth	Yes (Bluetooth® Standard Ver. 4.1 (2.4 GHz band))
Multi Interface Shoe	Yes <sup>27</sup>
Vertical Grip Connector	-
Mic Terminal	Yes (3.5 mm Stereo minijack)
PC Remote	Yes
Headphone Terminal	-
Print	
Compatible Standards	Exif Print, Print Image Matching III, DPOF setting
Custom function	
Туре	Custom key settings, Programmable Setting (Body 3 sets /memory card 4 sets), My Menu, My Dial, Reg Cust Shoot Set
Lens Compensation	
Setting	Peripheral Shading, Chromatic Aberration, Distortion
Audio	y corproduction and account of the control of the c
Microphone	Built-in stereo microphone or XLR-K2M/XLR-K1M/ECM-XYST1M (sold separately)
Speaker	Built-in, monaural
	Dalk III, III dada
Power Supplied Battery	One rechargeable battery pack NP-FW50
Battery Life (Still Images)	Approx. 360 shots (Viewfinder) / Approx. 410 shots (LCD monitor) (CIPA standard) <sup>28</sup>
Battery Life (Movie, actual	
recording)	Approx. 70 min (Viewfinder) / Approx. 75 min (LCD monitor) (CIPA standard) <sup>29</sup>
Battery Life (Movie, continuous recording)	Approx. 125 min (Viewfinder)/Approx. 125 min (LCD monitor) (CIPA standard)
Internal Battery Charge	Yes
External Power	AC Adaptor AC-PW20 (sold separately)
Power consumption with Viewfinder	Still images: approx. 2.4 W (with E PZ 16-50 mm F3.5-5.6 OSS lens attached), Movies: approx. 3.5 W (with E PZ 16-50 mm F3.attached)
Power consumption with LCD screen	Still images: approx. 2.1 W (with E PZ 16-50 mm F3.5-5.6 OSS lens attached), Movies: approx. 3.5 W (with E PZ 16-50 mm F3.5 attached)
USB Power Supply	Yes
Size & Weight	
Weight (with battery and memory card included)	Approx. 403 g / Approx. 14.3 oz
Dimensions (W x H x D)	Approx. 120.0 mm x 66.9 mm x 59.7 mm, Approx. 120.0 mm x 66.9 mm x 49.9 mm (from grip to monitor)/Approx. 4 $3/4$ x 2 $3/4$ x 2 $3/4$ x 2 inches (from grip to monitor)
Others	

32–104 degrees F / 0–40 degrees C