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ILCE-6500
α6500 Mirrorless Interchangeable-lens Camera

24.2 MP Exmor® CMOS sensor with world's fastest AF speed[1] (0.05 sec.) and highest number of phase detection AF points[2] (425). In-camera 5-axis optical image stabilization for every lens and enhanced AF features including intuitive and immediate touchscreen AF operation. 4K movie recording[3] and pro video features including 2.4x oversampling[4] with full pixel readout and no pixel binning, S-Log3/S-Log2, S-Gamut and gamma assist and more.

Features

24.2MP of imaging innovation

The newly developed 24.2 MP (approx. effective) APS-C Exmor® CMOS sensor features copper wiring and enhanced circuit processing that reduces the depth of the wiring layer to boost light collection efficiency. In conjunction with the BIONZ X® image processor and new front-end LSI, it significantly minimizes noise throughout a wide sensitivity range of ISO 100-51200[5]. Additionally, the front end LSI and highly conductive copper in the circuitry, accelerates readout speed to support high speed shooting with minimal lag, 4K movie recording[3] with full pixel readout without pixel binning, Full HD 120fps shooting and 14-bit RAW output for still images.

4D FOCUS™ w/ world's fastest autofocus1 with world's most[2] AF points

The α6500's unrivaled 4D FOCUS™ system boasts the world's fastest autofocus (AF) acquisition time[1] that can lock focus on a subject in as little as 0.05 seconds. It also has the world's highest number of focal plane phase detection AF points[2] - an incredible 425 - that are densely positioned over 84% of the image area. Moreover, the α6500 can capture full resolution 24.2MP images at up to 11 frames per second with continuous autofocus and exposure tracking. The α6500 takes full advantage of its enhanced fast hybrid AF for movies in both HD and 4K[3].

Up to 11fps at 24.2MP with AE/AF tracking

The α6500 has been designed to allow for high resolution, continuous shooting at high frame rates. The camera features a new front-end LSI that works with the image sensor, BIONZ X image processing engine and a newly designed shutter mechanism with braking feature to enable continuous shooting at impressive speeds up to 11fps with AF/AE tracking at full 24.2MP resolution. The α6500 can also shoot continuously for up to 269 frames[6], thanks to a large buffer. These shots can be viewed immediately after shooting, even when in high-speed continuous shooting mode.

Touch AF for stills/video with touchpad operation when using EVF

The new touchscreen operation vastly enhances focus capabilities for intuitive and immediate focus response. Simply select a focus point anywhere on the LCD for fast and accurate AF response. When using the electronic viewfinder, simply shift focus points by using the LCD as a touchpad and dragging your finger to the desired subject point. Touching the LCD screen during movie recording allows for smooth focus point shifts.

Enhanced Focus features

The α6500 features a number of advanced autofocus functions for fast and accurate focus acquisition and subject tracking. Eye AF automatically detects and tracks an eye of even a moving subject (in AF-C mode), for more focusing accuracy, while Expand Flexible Spot automatically uses AF points surrounding the selected point to support precise focus if the selected AF point is not positioned on your subject directly. AF operation is available when using Focus Magnifier – a handy tool for enlarging your image on the LCD or viewfinder for manual and autofocus accuracy. The α6500 will focus exceptionally fast during movie shooting thanks to its Fast Hybrid AF system and offers touch focusing capabilities while also offering adjustable AF transition speed and AF tracking sensitivity. Additionally, the α6500 has the ability to take advantage of all of the camera's 425 phase detection AF points, focusing tracking and accuracy when using A-mount lenses[11] with a mount adaptor like the Sony LA-EA3.

4K movie recording[3] and pro video features

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The α6500 offers internal 4K recording[3] in Super 35mm format with full pixel readout, no pixel binning and 2.4x oversampling[4] for the ultimate movie quality. By collecting 20 megapixels (6K equivalent) of information from the full width of the sensor, which is approximately 2.4x as many pixels as 4K, the α6300 then oversamples the information to produce high quality 4K footage with exceptional detail and depth. Additional professional video features include; S-Gamut3/S-Log3 and Gamma Display Assist, the ability to record Full HD at 120 fps for 4x or 5x slow motion HD video[7], both a mic jack and XLR compatibility via the MI shoe, enhanced Zebra functionality, focus peaking, picture profile settings, as well as Time Code / User Bit, clean HDMI output and much more.

First 5-axis in-body image stabilization in an E-mount camera

For the first time, the 5-axis SteadyShot™ INSIDE image stabilization system is used in an APS-C E-mount camera while maintaining a compact lightweight body. It accurately compensates for blur caused by camera shake – for up to 5-stops[12] - from five different directions: vertical, horizontal, pitch, yaw and roll. This means that any lens attached to the α6500 will benefit from images stabilization, whether the lens has its own image stabilization or not. The 5-axis image stabilizing system excels during video recording and even compensates for blur caused by the photographer walking or running. You can even monitor the stabilizing effects of camera shake compensation in the viewfinder or LCD screen while shooting by pressing the shutter button halfway or magnifying the image, and while shooting movies by entering movie mode.

Ultra-fast OLED w/ EVF benefits and optical viewfinder immediacy

The 2.36 million-dot XGA OLED Tru-Finder electronic viewfinder has the ability to deliver continuous live shooting at up to 8 fps with AF/AE tracking - making it easy to track fast moving subjects - thanks to overall improvements in the EVF algorithm. This offers photographers a shooting experience with the immediacy of an optical viewfinder, while still offering all of the benefits of an electronic viewfinder including a live preview of exposure, white balance and several other camera settings. This continuous live view shooting can be set in 3 stages to match a variety of subjects: 8 fps, 6 fps and 4 fps.

A host of pro video features for 4K[3] and Full HD

The α6500 has the ability to record 4K video internally with full pixel readout and no pixel binning through usage of the professional and efficient XAVC S format[3]. The camera is capable of recording high quality footage at 100Mbps for 4K and up to 100Mbps at 120 fps for Full HD. It also offers a new 'Slow and Quick' mode (S&Q) that supports both slow motion and quick motion from 1 fps to 120 fps in 8 steps[7] A host of other features for professional movie production workflow are also included, such as zebra for easier exposure adjustment, peaking for easy manual focusing, time code and clean 4:2:2 HDMI output as well as picture profiles, S-Log3/S-Log2, S-Gamut and gamma assist for real time S-Log monitoring.

Fast Hybrid AF for movies

Simultaneous readout of live-view image and phase-detection AF information from the image sensor makes the extra-precise, smooth Fast Hybrid AF of the α6500 great for shooting movies — especially 4K movies[3] which can otherwise reveal even a slight lack of sharpness in subject focus. AF drive speed and AF Tracking Sensitivity are also adjustable to support creative moviemaking.

Wi-Fi®/NFC™/QR code for easy file transfer and remote control[8]

Easily connect with NFC or QR code (for non-NFC devices) to smartphones or tablets with the built-in Wi-Fi® and Sony's PlayMemories Mobile™ application available for free on the Android™ and iOS platforms[8]. Control your camera or transfer files to your device for fast and easy sharing without the need of a computer. It also supports Sony's growing range of PlayMemories Camera Apps™, which add a variety of creative capabilities to the camera. Then when you're done, you can use the free software to sort and manage your stills and video with PlayMemories Home™ or edit your RAW file with either Sony's Image Data Converter or Capture One Express (for Sony).

Professional rugged body and durable shutter mechanism

Designed for solid reliability and steady handling, the α6500's compact body is built to withstand the rigors of shooting in the field, thanks to an internal structure of the strong and rigid magnesium alloy body. Sealing around the main buttons, dials, ports and doors are dust and moisture resistant[9] with a double-layered structure that enhances sealing effectiveness at all camera body openings including the media compartment and terminal area. The highly durable and reliable shutter unit has been proven to endure approximately 200,000 shutter releases[10] which ensure long-lasting shooting performance that takes into consideration the high-speed continuous shooting capabilities up to 11fps and the large number of photos shot by enthusiasts.

Slow and quick motion[7]

Slow and quick motion[7] offers an almost endless variety of creative ways to express the passage of time. Frame rates from 1 fps to 120fps (100fps) can be selected in eight steps for full HD up to 50 Mbps; 60x quick motion/5x slow in NTSC and 50x quick motion/4x slow in PAL.

Photo capture from video

High-quality 8-megapixels stills can be extracted from 4K video[3] and 2-megapixels from Full HD video in camera during playback and stored as separate file son the media card.

Designed for a pro-workflow with Picture Profiles, S-Log and Gamma Display Assist

The α6500 is equipped with S-Log3 and S-log2 gamma, common to Sony's range of professional video cameras. This expands the dynamic range by up to 1300% to minimize clipped highlights and loss of detail in shadows up to approximately 14-stop latitude. The included picture profiles allow users to adjust settings like gamma, black, level and color, which can be saved for use in a multi-camera shoot. It also has clean 4:2:2 8-bit Full HD and 4K output via HDMI®, time code/ user bit for easier editing, synchronous recording feature with compatible devices. In addition, the α6500 features Gamma Display Assist which displays images with the brightness and contrast close to how the image will appear after grading. This allows users to capture a flat S-log image while making it easier to control focus, contrast and exposure using the LCD monitor.

Compatibility with wide-ranging mountable lenses

Hybrid AF and 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 α6500 extends compatibility with a range of Sony A-mount lenses[11] and other 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.

Compatible with professional microphone systems.

In addition to the standard microphone jack, the α6500 has a MI (Multi interface) shoe that is compatible with Sony's optional XLR Adaptor Microphone Kits (XLR-K1M and XLR-K2M), allowing you to use professional XLR microphone systems for balanced audio during recording. Furthermore, audio captured using the XAVC S codec or uncompressed HDMI output will be in uncompressed linear PCM for the highest audio quality.

GPS location data via Bluetooth[14]

The α6500 offers location data acquisition via a Bluetooth connection to a compatible mobile device with PlayMemories Mobile App installed[14]. The acquired location data from the mobile device can also be used to correct the cameras date, time and location settings. The PlayMemories Home application can then be used on a PC or Mac to organize imported images on a map.

Silent Shooting

Silent Shooting features an electronic shutter that is noiseless and causes no vibration, so you can shoot high-resolution images without camera shake and in situations that require complete silence. Continuous autofocus and auto exposure is available when using silent shooting.

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

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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.

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.

Tether your camera to a PC for Remote Camera Control.

Remote Camera Control allows you to control your α7II from your PC and transfer files using a USB cable. Feature control has also been updated to include video capture control.

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.

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.

Power supply via USB

The α6500 can be powered via USB connection to AC adaptor, 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.

Make it your own with easy button customization

You can assign any of 64 functions[15] 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.

Specifications

Camera	
Lens Compatibility	Sony E-mount lenses
Lens Mount	Sony E-mount
Camera Type	Interchangeable lens digital camera with built-in flash
Imaging Sensor	
Imaging Sensor	Exmor® CMOS sensor, APS-C type (23.5 x 15.6 mm)
Anti Dust	Charge protection coating on optical filter and image sensor shift mechanism
Pixel Gross	Approx. 25.0 megapixels
Effective Picture Resolution	Approx. 24.2 megapixels
Color Filter System	RGB primary color
Recording	
Media Type	Memory Stick PRO Duo, Memory Stick PRO-HG Duo, Memory Stick Micro(M2), SD memory card, SDHC memory card (UHS-I compliant), SDXC memory card (UHS-I compliant), microSD memory card, microSDHC memory card, microSDXC memory card
Color Space	sRGB standard (with sYCC gamut) and Adobe RGB standard compatible with TRILUMINOS Color Movie: xvYCC standard (x.v.Color when connected via HDMI cable) compatible with TRILUMINOS Color
Still Image Mode	RAW, RAW & JPEG, JPEG Extra fine, JPEG Fine, JPEG Standard

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Still Image Size 16:9	L: 6000 x 3376 (20 M) M: 4240 x 2400 (10 M) S: 3008 x 1688 (5.1 M)
Still Image Size 3:2	L: 6000 x 4000 (24M) M: 4240 x 2832 (12M) S: 3008 x 2000 (6.0M)
Panorama Still Image Size	Wide: Horizontal 23 M (12,416 x 1,856) Wide: Vertical 12 M (5,536 x 2,160) Standard: Horizontal 15 M (8,192 x 1,856) Standart: Vertical 8.4 M (3,872 x 2,160)
Video Format	XAVC S / AVCHD format Ver. 2.0 compliant / MP4
Video Resolution	AVCHD: PS- 1920 x 1080 / 60p @ Maximum bit-rate 28Mbps PS - 1920 x 1080 / 50p @ Maximum bit-rate 28Mbps 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 FX - 1920 x 1080 / 24p @ Maximum bit-rate 24Mbps FX - 1920 x 1080 / 25p @ Maximum bit-rate 24Mbps FH - 1920 x 1080 / 24p @ Average bit-rate 17Mbps FH - 1920 x 1080 / 25p @ Average bit-rate 17Mbps AVC MP4: 1920 x 1080 / 60p @ 28Mbps 1920 x 1080 / 50p @ 28Mbps 1920 x 1080 / 30p @ 16Mbps 1920 x 1080 / 25p @ 16Mbps 1280 x 720 / 30p @ 6Mbps 1280 x 720 / 25p @ 6Mbps XAVC S 4K: 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 XAVC S HD: 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
Audio Format	XAVC S: LPCM 2ch AVCHD: Dolby® Digital (AC-3) 2ch Dolby Digital Stereo Creator MP4: MPEG-4 AAC-LC 2ch
Microphone/Speaker	Built-in stereo microphone or XLR-K2M/XLR-K1M / ECM-XYST1M (sold separately) Built-in,monaural
Still Image File Format	JPEG (DCF Ver. 2.0, Exif Ver.2.31, MPF Baseline compliant), RAW (Sony ARW 2.3 format)
Recording format (still image)	
14bit RAW	Yes
Optics/Lens	

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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. 8x Digital zoom (Movie): Approx. 4x

Viewfinder	
Type	0.39 type (1.0 cm) electronic viewfinder (color)
Diopter Adjustment	-4.0-+3.0 m^{-1}
Field of View	100%
Magnification	Approx. 1.07x (35mm camera equivalent: Approx. 0.70x) with 50mm lens at infinity, $-1m^{-1}$
Brightness Control	Auto / Manual (5 steps between -2 and +2)
Color temperature control	Manual (5 steps)
Display	Graphic Display Display All Info. No Disp. Info. Digital Level Gauge Histogram
Eye point	Approx. 23mm from the eyepiece lens, 21.4mm from the eyepiece frame at $-1m^{-1}$ (CIPA standard)
Number of dots	2 359 296 dots

LCD Display	
LCD Type	3.0-type (7.5 cm) wide type TFT (921 600 dots)
Angle Adjustment	Up by approx. 90 degrees, Down by approx. 45 degrees
Brightness Control	Manual (5 steps between -2 and +2), Sunny Weather mode
Real-time image adjustment display	On/Off
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
Touch Panel	Yes
Zebra	Yes (selectable level + range or lower limit as custom setting)

Focus Control	
Focus System	Fast Hybrid AF (phase-detection AF/contrast-detection AF)
Focus Points	425 points (phase-detection AF) / 169 points (contrast-detection AF)
AF Modes	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), 169 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 Sensitivity	EV-1 to EV20 (ISO100 equivalent with F2.0 lens attached)
Focus Features	Predictive control, Focus lock
AF Illuminator	Yes (with Built-in LED type), Range: Approx. 0.3- approx. 3.0m (with E PZ 16-50mm F3.5-5.6 OSS lens attached)

Exposure System	
Picture Effect(s)	13 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 , Soft Focus (High/Mid/Low), HDR Painting (High/ Mid/Low), Rich-tone Monochrome, Miniature (Auto/Top/Middle (H)/Bottom/Right/ Middle (V)/Left), Watercolor, Illustration (High/Mid/ Low)
Auto Exposure Lock	Locked when shutter button is pressed halfway. Available with AE lock button. (On/Off/Auto)
Color Temperature	G7 to M7 (57 steps), A7 to B7 (29 steps)
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))
D-Range Optimizer	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))

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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)
Exposure Settings	AUTO(iAuto/Superior Auto), Programmed AE (P), Aperture priority (A), Shutter-speed priority (S), Manual (M), Movie / S&Q Motion (Programmed AE (P) / Aperture priority (A) / Shutter-speed priority (S) / Manual (M)), Sweep Panorama, Scene Selection
ISO	Still images: ISO 100-25600 (ISO numbers up to ISO 51200 can be set as expanded ISO range.), AUTO (ISO 100-6400, selectable lower limit and upper limit) Movies: ISO 100-25600 equivalent, AUTO (ISO 100-6400 equivalent, selectable lower limit and upper limit)
Metering	1200-zone evaluative metering, Exmor CMOS sensor
Metering Modes	Multi-segment, Center-weighted, Spot (Standard/ Large), Entire Screen Avg., Highlight
Metering Sensitivity	EV-2 to EV20 (at ISO100 equivalent with F2.0 lens attached)
Noise Reduction	Long exposure NR: On/Off , available at shutter speeds longer than 1 sec. High ISO NR: Normal/Low/Off
Scene Mode(s)	Portrait, Sports Action, Macro, Landscape, Sunset, Night Scene, Hand-held Twilight, Night Portrait, Anti Motion Blur

Drive System

Continuous Shooting Speed	Continuous shooting: Hi+: 11 fps, Hi: 8 fps, Mid: 6 fps, Lo: 3 fps *Varies according to shooting conditions or memory card used
Drive Mode	Single Shooting, Continuous shooting (Hi+/Hi/Mid/Lo selectable), Self-timer, Self-timer (Cont.), Bracket:, Single, Bracket: Cont., White Balance bracket, DRO bracket
Flash Sync Speed	1/160 sec.
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)
Shutter Speeds	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 mode)
Shutter Type	Electronically-controlled, vertical-traverse, focal-plane type

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 Coverage	16mm (focal-length printed on the lens body)
Flash Modes	Flash off, Autoflash, Fill-flash, Slow Sync., Rear Sync., Red-eye reduction (on/off selectable), Wireless control*, Hi-speed sync* *With compatible external flash
Flash Type	Built-in flash
Guide Number	6 (in meters at ISO 100)
Recycling Time	Approx. 4 sec

Advanced Features

Face Detection	On / On (Regist. Faces) / Off, Face registration, Face selection (Max. number of detectable: 8)
Smile Shutter™ technology	Smile shutter (selectable from 3 steps)

Interface

Microphone Input	Yes (3.5 mm Stereo minijack)
Remote Commander	Yes (RMT-DSLR2 (sold separately))

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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)
Wi-Fi	Yes (Wi-Fi Compatible, IEEE 802.11b/g/n (2.4GHz band)
Weights and Measurements	
Dimensions (Approx.)	4 3/4 x 2 3/4 x 2 1/8 inches (120.0 x 66.9 x 53.3 mm) (WxHxD) excluding protrusions
Weight (Approx.)	With battery and memory Card included: 1lb (453 g)
Weight(Approx) (Main unit only)	14.5 oz (410 g)
Power	
Battery Type	One rechargeable battery pack NP-FW50
Number of Still Images	Still: Approx. 310 shots (Viewfinder) / approx. 350 shots (LCD monitor) (CIPA standard) Movies: Actual recording: Approx. 65 min (Viewfinder) / Approx. 70 min (LCD monitor) (CIPA standard) Continuous recording: Approx. 105 min (Viewfinder) / Approx. 105 min (LCD monitor) (CIPA standard)
External Power	AC Adaptor AC-PW20 (sold separately)
Power Consumption (in View Finder Operation)	With Viewfinder; Still images: approx. 2.8W(with E PZ 16-50mm F3.5-5.6 OSS lens attached), Movies: approx. 4.2W(with E PZ 16-50mm F3.5-5.6 OSS lens attached) With LCD screen; Still images: approx. 2.5W(with E PZ 16-50mm F3.5-5.6 OSS lens attached), Movies: approx. 4.2W(with E PZ 16-50mm F3.5-5.6 OSS lens attached)
Clear Image Zoom	
Movies	Approx. 2x
Still images	Approx. 2x
AE Lock	
AE Lock	Available with AE lock button. (On / Off / Auto)
Focus system	
AF micro adjustment	Yes, (Sold separately) with LA-EA2 or LA-EA4
Eye-start AF	Yes (only with LA-EA2 or LA-EA4 attached(Sold separately))
Lock-on AF	Yes
PC interface	
PC interface	Mass-storage, MTP, PC remote
Multi Interface Shoe	Yes
Lens compensation	
Lens compensation	Peripheral Shading, Chromatic Aberration, Distortion
Movie Function	
AF Drive Speed	Yes
AF Tracking Duration	Yes
Audio Level Display	Yes
Audio Rec Level	Yes
Auto Slow Shutter	Yes
Dual Video REC	Yes
HDMI Info. Display	ON/OFF selectable

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(50i) 1920 x 1080(24p), YCbCr 4:2:2 8bit / RGB 8bit
PAL/NTSC Selector	Yes
REC Control	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
Eye-Fi ready	Yes *Eye-Fi cards can be used only in the countries where they are purchased. Use Eye-Fi cards in accordance with the law of the countries where the cards were purchased.
Help guide	Yes
Shop Front Mode	Yes
Print	
Compatible standards	Exif Print, Print Image Matching III, DPOF setting
Playback	
Modes	Single (with or without shooting information Y RGB histogram & highlight/shadow warning) 12/30-frame index view Enlarged display mode (L: 16.7x, M: 11.8x, S: 8.3x, Panorama (Standard): 19.2x, Panorama (Wide): 29.1x) Auto Review (10/5/2 sec,Off) Image orientation (Auto/ Manual/ Off selectable) Slideshow Panorama scrolling Folder selection (Date/ Still/ MP4/ AVCHD/XAVC S HD/XAVC S 4K) Forward/Rewind (movie) Delete Protect
Shutter	
Electronic Front Curtain Shutter	Yes (ON/OFF)
Flash sync. speed	1/160 sec.
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 mode)
Type	Electronically-controlled, vertical-traverse, focal-plane type
White balance	
AWB micro adjustment	YesG7 to M7,57-stepA7 to B7,29-step
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 G7 to M7(57-step), A7 to B7(29-step) / Custom
Wi-Fi	
Send to Computer	Yes
View on Smartphone	Yes
View on TV	Yes
Accessories	

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Supplied Accessories	Rechargeable Battery NP-FW50 AC Adaptor (AC-UUD12) Shoulder strap Body cap Accessory shoe cap Eyepiece cup Micro USB cable

1. Among interchangeable-lens digital cameras equipped with an APS-C image sensor as of October 2016, based on Sony research, measured using CIPA-compliant guidelines, and internal measurement method with an E PZ 16-50mm F3.5-5.6 OSS lens mounted, Pre-AF off and viewfinder in use.

2. Among digital cameras as of October 2016, based on Sony research.

3. SDHC/SDXC memory card of Class 10 or higher is required for movie recording in XAVC S format. UHS-I (U3) SDHC/SDXC card is required for 100Mbps recording. Movie recording is possible for approximately 29 minutes.

4. In 24p recording. Approx. 1.6 times in 30p recording.

5. Standard ISO range: 100-25600 for stills and movies. Expandable up to ISO 51200 for stills only.

6. With "Hi+" continuous shooting mode and "Fine" image quality.

7. Sound cannot be recorded during S&Q. SDHC/SDXC memory card of Class 10 or higher is required. Full HD up to 50 Mbps; 60x quick motion/5x slow in NTSC and 50x quick motion/4x slow in PAL.

8. Requires pairing with compatible Anroid or iOS mobile devices running the free PlayMemories Mobile app. For GPS pairing, Android 5.0 or later and compatible with Bluetooth 4.0 or later. iPhone/iPad: iPhone 4S or later/iPad 3rd generation or later is required.

9. Not guaranteed to be 100% dust and moisture proof

10. With the electronic front curtain shutter, under internal test conditions of Sony.

11. A-mount lenses with SSM or SAM only. Users can choose phase-detection AF or contrast-detection AF in AF System menu. "Phase-detection AF" is not available during movie shooting. AF-C in AF System menu is available only with "Contrast-detection AF" selected, but no motion tracking is performed during continuous shooting (Hi+, Hi, Mid).

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

13. When Anti-flicker Shoot.is ON. Flicker detection at 100 Hz or 120 Hz only. Continuous shooting speed may decrease. Does not function during bulb exposure or movie recording.

14. Requires pairing with compatible Android or iOS mobile devices running the free PlayMemories Mobile app. For GPS pairing, Android 5.0 or later and compatible with Bluetooth 4.0 or later. iPhone/iPad: iPhone 4S or later/iPad 3rd generation or later is required.

15. Some functions can only be assigned to certain buttons.

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