

SONY

ILCA-68

α68 Translucent Mirror DSLR Camera



Features

With 4D FOCUS, you'll never miss that perfect moment

The α68 is equipped with Sony's 4D Focus system. Featuring the world's most 1 Phase Detection AF points on a dedicated AF sensor covering a wide area of the frame. 79 AF points - of which 15 are cross-type and placed in the most-frequently-used central area of the sensor - utilize the new AF algorithm which instantly recognizes and reliably tracks the desired subject - even in challenging low-light situations (EV-2). Other Auto Focus features include: AF tracking, Lock-on AF, AF Range control and Eye AF

24.2MP for Images of incredible quality

Housing a large Exmor® APS HD CMOS sensor with approx. 24.2 effective megapixels for incredible detail and gorgeous enlargements, the α68 exhibits higher sensitivity and lower noise levels throughout a wide sensitivity range of ISO 100 to 25,600⁴, achieving high resolution even in low light.

8fps continuous shooting³ with AF

Track every movement and capture every decisive moment with up to 8 frames per second continuous shooting. The tracking algorithm of the α68's AF system and the Translucent Mirror Technology meet high performance standards in tracking moving subjects to enable continuous autofocus even during continuous shooting at 8fps³ (or 5fps at maximum resolution of approx. 24 effective megapixels).

Every Lens is Stabilized

The α68 incorporates sensor shift technology called SteadyShot® INSIDE image stabilization. This means every lens you use—from the widest angle to longest telephoto—corrects for camera shake and reduces blur, resulting in crisp and sharp images. It provides compensation equivalent to approximately 2 to 4.5 additional steps in shutter speed, allowing for more hand held opportunities in low light or longer focal lengths.

Make movies like a pro

Make movie magic with Full HD 1920 x 1080 video in 24p/30p frame-rates. Made even easier with the α68's 79 point AF (auto focus) system - tracking moving subjects is not a problem. Selectable in-camera - XAVC S for broadcast quality at high 50Mb/s, Blu-ray quality - AVCHD or simple and easier upload to the web - MP4 codecs are available. For serious videographers, uncompressed 8bit HD 4:2:2 video output to external recording devices is available via the HDMI connection.

OLED Tru-Finder™ Electronic Viewfinder

There's never been anything quite like the OLED Tru-Finder electronic viewfinder. For size, speed and brightness even after sunset, this is a gem. It begins with 1,440,000 dots for amazing resolution and high contrast ratio for incredible depth and in almost any lighting. You can also see the results of camera adjustments in real time with 100% frame coverage and superb color and detail, including the ability to display the effects of various camera settings, the use of MF Assist and a peaking function for fine-tuning the focus

Large 2.7" tiltable, 460K dot LCD screen

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Thanks to the Translucent Mirror Technology for continuous live-view, you can easily frame your shots with the large 2.7" 460K dot LCD screen. Tilt it up 135° or down 55°s to frame high- and low-angle shots that would otherwise be hit-or-miss.

Stunning low light photos and video

The α68 features high sensitivity thanks to the Exmor® CMOS sensor and powerful BIONZ X® processor. You get stunning detail and clean, low light images from ISO range 100 – 25600 for photos and ISO100 - 12800 equivalent for movies. And for an additional burst of light, the α68 features a pop-up flash.

Direct controls for fast intuitive operability

The α68 has all the “must have” features of midrange camera including a backlit top display to quickly check camera settings and both front and rear control dials and 10 customizable button⁶. The control wheel on back is easily accessible for multiple functions which you can modify to your shooting style. Easily reassign frequently used functions to any of the 10 customizable buttons to activate any of 49 functions for faster, more intuitive operation.

Multi-interface (MI) shoe

The Multi Interface Shoe lets you mount a wide-range of accessories including a high-capacity flash unit, video light or microphone for enhanced still image, movie shooting and more.

Focus features beyond the norm.

The α68 offers more than the most cameras in its class when it comes to focus features which included: Auto focus tracking for moving subjects, Lock-on AF, AF Range control and Eye AF for perfect portraits.

Full-Time LiveView® in LCD or EVF

You can use both the LCD monitor and OLED Electronic Viewfinder for composing shots in LiveView. Both provide a what-you-see-is-what-you-get preview of white balance, focus, depth of field, exposure and 100% framing accuracy, plus informative on-screen displays.

Specifications

Camera	
Lens Compatibility	Sony A-mount lenses, operation with Minolta / Konica Minolta lenses confirmed
Camera Type	Interchangeable lens digital camera with built-in flash
Imaging Sensor	
Imaging Sensor	Exmor APS-C CMOS sensor with primary color filters (23.5 x 15.6mm)
Anti Dust	System: Anti-dust coating on image sensor and image sensor shift mechanism Operation (auto): Power off
Pixel Gross	Approx.24.8 megapixels
Effective Picture Resolution	Approx.24.2 megapixels
Color Filter System	RGB primary color filters
Recording	
Media Type	Memory Stick PRO Duo Memory Stick PRO-HG Duo SD memory card SDHC memory card (UHS-I compliant) SDXC memory card (UHS-I compliant)
Color Space	sRGB standard (with sYCC gamut) and Adobe RGB standard compatible with TRILUMINOS Color
Still Image Mode	JPEG (Standard, Fine, Extra Fine), RAW, RAW+JPEG

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Still Image Size 16:9	L size: 6000 x 3376 (20M) M size: 4240 x 2400 (10M) S size: 3008 x 1688 (5.1M)
Still Image Size 3:2	L size: 6000 x 4000 (24M) M size: 4240 x 2832 (12M) S size: 3008 x 2000 (6.0M)
Panorama Still Image Size	Horizontal Wide: 12,416 x 1,856 (23M) Horizontal Std: 8,192 x 1,856 (15M) Vertical Wide: 5,536 x 2,160 (12M) Vertical Std: 3,872 x 2,160 (8.4M)
Video Format	XAVC S / AVCHD format Ver. 2.0 compatible / MP4
Video Mode	XAVC S: 1920 x 1080 / 60p@50Mbps 1920 x 1080 / 30p@50Mbps 1920 x 1080 / 24p@50Mbps
Video Resolution	AVCHD: PS - 1920 x 1080 / 60p @Maximum bit-rate 24Mbps FX - 1920 x 1080 / 60i @Maximum bit-rate 24Mbps FH - 1920 x 1080 / 60i @Average bit-rate 17Mbps FX - 1920 x 1080 / 24p@ Maximum bit-rate 24Mbps FH - 1920 x 1080 / 24p@Average bit-rate 17Mbps AVC MP4: 1440 x 1080 / 30fps@Average bit-rate 12Mbps VGA: 640 x 480 / 30fps@Average bit-rate 3Mbps
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 ECM-XYST1M/ECM-CG60 (sold separately); Built-in, monaural, Volume settings in 16 steps between 0 and 15
Still Image File Format	JPEG (DCF Ver. 2.0, Exif Ver. 2.3, MPF Baseline compliant), RAW (Sony ARW 2.3 format)
Optics/Lens	
Digital Zoom	Smart zoom (Still images): M: Approx. 1.4x, S: Approx. 2xbr Digital zoom (Still images): L: Approx. 4x, M: Approx. 5.7x, S: Approx. 8xbr Digital zoom (Movie): 4x
Viewfinder	
Type	0.39" (1.0cm) OLED Electronic viewfinder (1 440 000 dots)
Diopter Adjustment	-4.0 to +3.0m ⁻¹
Field of View	100%
Magnification	Approx.0.88x (35mm camera equivalent: Approx.0.57x) with 50mm lens at infinity, -1m ⁻¹
LCD Display	
LCD Type	2.7" (6.7 cm) TFT drive (460,800 dots)
Angle Adjustment	Tilt angle: upward by up to 135 degrees, downward by up to 55 degrees
Brightness Control	Manual (5 steps between -2 and +2) Sunny Weather
Real-time image adjustment display	Yes (On/Off)
Peaking	Yes (Level setting: High/Mid/Low/Off. Color: White/Red/Yellow)
Zebra	Yes
Focus Control	
Focus System	TTL Phase-detection AF (CCD line sensors)
Focus Points	79 points (15 points cross type, with center F2.8 sensor)* <small>*The number of points used depends on the lens and shooting mode.</small>
AF Modes	Single-shot AF (AF-S), Continuous AF (AF-C), Automatic AF (AF-A), Autofocus, Manual focus selectable

Focus Area	Wide/ Zone/ Center/ Flexible Spot/ Expanded Flexible Spot, Lock-On AF: Wide/ Zone/ Center/ Flexible Spot/ Expanded Flexible Spot)
Focus Sensitivity	EV -2 to 18 (at ISO100 equivalent)
Focus Features	Eye-start AF, Lock-on AF, Eye Focus, Predictive control (AF-A, AF-C), Focus lock, AF On
AF Illuminator	Built-into flash, Range: approx. 3.3' to 16.4' (1m-5m)
Exposure System	
Metering	1200-zone evaluative metering
Metering Modes	Multi-segment, Center-weighted, Spot
Metering Sensitivity	EV-2 to EV17 (at ISO100 equivalent with F1.4 lens attached)
Exposure Compensation	+/-5.0 EV (1/3EV, 1/2EV steps selectable)
Exposure Settings	AUTO(Intelligent Auto/Superior Auto), Scene Selection, Sweep, Panorama, Tele-zoom Continuous Advance Priority AE, Movie(P/A/S/M), Programmed AE (P), Aperture priority (A), Shutter-speed priority (S), Manual (M), Memory recall (MR1/2/3)
Scene Mode(s)	Portrait, Landscape, Macro, Sports action, Sunset, Night portrait, Night Scene, Handheld Twilight
Picture Effect(s)	13 modes: Posterization (Color, 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)
D-Range Optimizer	Off, Dynamic Range Optimizer (Auto/Level (1-5)), Auto High Dynamic Range (Auto Exposure Difference, Exposure difference Level (1-6EV, 1.0EV step))
Auto Exposure Lock	Available with AE lock button AE is also locked when focus is locked in multi-segment metering mode. ("AEL w/ shutter"(Auto/On/Off) is supported)
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))
Exposure Bracketing	Bracket: Cont./Bracket: Single, With 1/3EV, 1/2EV, 2/3EV, 1.0EV, 2.0EV, 3.0EV increments, 3 /5frames
ISO	Still Image: ISO100 - 25600 in 1/3 EV step, Still Auto: ISO 100-25600, selectable the lower limit and the upper limit , Movie: ISO100 - 12800 equivalent in 1/3 EV step, Movie Auto: ISO 100-12800 equivalent, selectable the lower limit and the upper limit
Noise Reduction	Long exposure NR: On/Off , available of shutter speeds longer than 1 sec. High ISO NR: Normal/Low/Off selectable
White Balance Mode	Auto, Daylight, Shade, Cloudy, Incandescent, Fluorescent (Warm White, Cool White, Day White, Daylight), Flash, Color Temperature (2500 to 9900K), Color Filter (G7 to M7, A7 to B7), Custom (1/2/3), Custom Set AWB micro adjustment; G7 to M7 (15-steps), A7 to B7 (15-steps) Bracketing; 3 frames, H/L selectable
Drive System	
Burst Buffer	Tele-zoom Continuous Advance Priority AE : -Extra fine: 34 images -Fine: 63 images -Standard: 112 images Continuous shooting : Extra fine: 21 images -Fine: 32 images -Standard: 35 images -RAW & JPEG: 8 images -RAW: 8 images
Continuous Shooting Speed	Tele-zoom Continuous Advance Priority AE: 8 frames per second Continuous shooting Hi: 5 frames per second Continuous shooting Lo: 2.5 frames per second

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Drive Mode	Single Shot, Continuous shooting (Hi or Lo selectable), Self-timer (10 or 2 sec delay selectable), Self-timer (Cont.) (with 10 sec delay 3 or 5 exposures selectable), Bracket: Cont. Bracket: Single, White Balance bracket, DRO bracket
Flash	
Flash Compensation	±3.0 EV (switchable between 1/3 and 1/2 EV steps)
Flash Coverage	16mm (focal-length printed on the lens body)
Recycling Time	Approx. 3 sec
External flash	Sony α System Flash compatible with Multi Interface Shoe, attach the shoe adaptor(ADP-MAA, sold separately) for flash compatible with Auto-lock accessory shoe
Flash Bracketing	1/3, 1/2, 2/3, 1.0, 2.0, 3.0 EV steps, 3/5 frames selectable
Flash Metering System	ADI flash / Pre-flash TTL / Manual flash
Flash Modes	Flash off, Auto flash, Fill-flash, Slow Sync., Rear Sync, Wireless, Hi-speed sync, Red-eye reduction (On/Off)
Flash Type	Built-in, auto pop-up
Guide Number	12 (in meters at ISO100)
Interface	
Remote Jack	Yes, wired
DC IN	Yes
HD Output	HDMI Micro connector (Type-D) BRAVIA Sync(Control for HDMI) PhotoTV HD 4K Still Image PB
USB Port(s)	Multi / Micro USB Terminal
Weights and Measurements	
Dimensions (Approx.)	5 5/8" x 4 1/8" x 3 3/8" (142.6 x 104.2 x 82.8 mm)
Weight (Approx.)	1 lb 7.8 oz (675 g) (with battery and Memory Stick PRO Duo included) 1 lb 5.0 oz (596 g) (body only)
Power	
Battery Type	One rechargeable battery pack NP-FM500H
Number of Still Images	Approx.540 shots with Viewfinder, 580 shots with LCD monitor (CIPA standard)
External Power	AC Adaptor AC-PW10AM (sold separately)
Power Consumption (in View Finder Operation)	Still images: approx. 2.7W (with DT 18-55mm F3.5-5.6 SAM II lens attached), Movies: approx. 3.3 W (with DT 18-55mm F3.5-5.6 SAM II lens attached) br With LCD screen: Still images: approx. 2.5W(with DT 18-55mm F3.5-5.6 SAM II lens attached), Movies: approx. 3.3 W(with DT 18-55mm F3.5-5.6 SAM II lens attached)
Accessories	
Supplied Accessories	Rechargeable Battery (NP-FM500H) Battery Charger (BC-VM10A) Shoulder strap Body cap Eyepiece cup Micro USB cable

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1. Among interchangeable-lens digital cameras equipped with a dedicated phase-detection AF sensor as of December 17, 2015.

2. Approximate effective megapixels

3. In Tele-Zoom Continuous Advance Priority AE

4. Still Images: ISO 100 - 25600, Movies: ISO100 - 12800 equivalent.

5. An SDXC memory card with a Class 10 or higher speed rating is required for XAVC S recording

6. Total 10 customizable buttons including two dedicated custom buttons + 8 assignable buttons

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