

## ILCE6700KB

### Alpha 6700 APS-C Interchangeable-Lens Hybrid Camera + 16-50mm Lens

This 16-50 mm (35mm full-frame equivalent: 24-75 mm) power zoom lens is perfect for day-to-day stills and movies. Compact and lightweight, weighing approx. 107 grams (3.8 oz.) and collapses to 31.3 mm (1-1/4 inch)<sup>3</sup>. Refined AF ensures reliable focus even while zooming, and built-in optical image stabilization minimizes blur. Breathing compensation is supported with compatible bodies<sup>2</sup>.



## Bullets

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- 16-50mm focal length (35 mm equivalent: 24–75 mm)
- Smooth, quiet power zoom, ideal for shooting movie content
- 4x Aspherical and 1x ED glass elements for excellent image quality
- Refined linear AF ensures fast, reliable focus even while zooming
- Smooth defocus bokeh w/ 7-blade circular aperture
- Built-in optical image stabilization (OSS) minimizes blur
- Supports in-body Active Image stabilization w/ OSS<sup>1</sup>
- Close-up detail, Min. focus distance: 9.8" (wide) - 11.8" (tele)
- Breathing compensation supported with compatible cameras<sup>2</sup>
- Lightweight (107 grams / 3.8 oz.) and compact (31.3 mm (1-1/4 inch)<sup>3</sup>)
- Filter diameter: 40.5 mm

## Features

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### A great everyday APS-C lens for stills and movies

This 16-50 mm (35mm full-frame equivalent: 24-75 mm) power zoom lens is perfect for day-to-day use, providing a standard zoom range and excellent features to support both photo and movie content creation.

### Excellent optical performance

Four aspherical elements and one ED (Extra low Dispersion) element in an innovative optical design achieve high resolution throughout a 16-50 mm zoom range. Color bleeding is minimal, clarity is high, and smooth bokeh is available from the 7-blade circular aperture.

### AF performance that brings out the best in advanced bodies

With an advanced linear motor and high-speed control, the E PZ 16-50 mm F3.5-5.6 OSS II makes it easier to focus on moving subjects with ease. Superior tracking performance supports the high-speed 120 fps<sup>2</sup> continuous shooting capability of high-performance α9 III, as well as 4K 120p/FHD 240p high frame rate movie recording<sup>3</sup>. Focus is smooth, precise, and very quiet.

### Advanced movie features

Smooth, quiet power zoom is ideal for movie shooting, and AF is available even while zooming. Built-in optical stabilization works with in-body stabilization<sup>1</sup>, including Active Mode, to minimize blur in movies. Focus breathing is controlled to minimize shifts in angle of view while focusing for smooth, stable footage. Body breathing compensation is supported<sup>2</sup>, and metadata allows compensation during editing.

### Compact and lightweight for outstanding agility and mobility

The E PZ 16-50mm F3.5-5.6 OSS II retracts to a total length of just 37.3 mm (1-1/4 inch) when camera power is turned off. In addition to its diminutive size and low weight of just 107 grams (3.8 oz.), it is a durable lens that can withstand the rigors of day-to-day shooting.

### Flexible control in a compact lens

An integrated zoom and focus ring allows fast, accurate zooming or focusing depending on the needs of the moment. Power zoom can be controlled by a zoom lever that allows smooth, constant-speed zoom operation. The E PZ 16-50mm F3.5-5.6 OSS II accepts 40.5 mm screw-on filters.

### Advantages of Sony's lenses for video shooting

Learn the four unique advantages of using Sony's E-mount lens for video shooting. The combination of Sony's lenses and

cameras will enhance your video creation experience.

Find more about Sony's E-mount lenses. <https://electronics.sony.com/movie-lens>

### Excellent close-up performance

Excellent close-up performance with a minimum focus distance at 0.25 m (0.82 ft) (wide) - 0.30 m (0.99 ft) (tele) and 0.215x maximum magnification, offers versatile close-up performance that lets you move in and focus on details.

## Specification

Accessibility	
Functions	Screen Reader, Focus Magnifier, Focus Map (Movie), Peaking Display, Subject Recognition in AF, Touch Focus, Touch Tracking, Touch Shutter, Touch AE, Vari-angle LCD screen, Custom function
Audio	
Microphone	Built-in, stereo
Speaker	Built-in, monaural
Camera section	
Type	APS-C type (23.3 x 15.5 mm), Exmor R CMOS sensor
Number Of Pixels (Effective)	Still images: Approx. 26.0 megapixels max., Movies: Approx. 19.9 megapixels max.
Number of Pixels (total)	Approx. 27.0 megapixels
Color temperature range	2500 K - 9900 K
Anti-Dust System	Yes
Clear Image Zoom	
Still images	Approx. 2x
Movies	Approx. 1.5x (4K), Approx. 2x (HD)
Dimensions	
Dimensions (W x H x D)	Approx. 122.0 x 69.0 x 75.1 mm, Approx. 122.0 x 69.0 x 63.6 mm (FROM GRIP TO MONITOR)
Dimensions (W x H x D) (in.)	Approx. 4 7/8 x 2 3/4 x 3 inches, Approx. 4 7/8 x 2 3/4 x 2 5/8 inches (FROM GRIP TO MONITOR)
Drive	
Continuous Drive Speed (approx. max.)	Hi+: 11 fps
No. of recordable frames (approx.)	JPEG Extra fine L: 143 frames, JPEG Fine L: over 1000 frames, JPEG Standard L: over 1000 frames, RAW: 59 frames, RAW & JPG: 44 frames, RAW (Lossless Compressed): 23 frames, RAW (Lossless Compressed) & JPEG: 18 frames
Exposure control	
Metering Type	1200-zone evaluative metering
Metering Sensitivity	EV-3 to EV20 (ISO100 equivalent with F2.0 lens attached)

Exposure Compensation	+/- 5.0 EV (1/3 EV, 1/2 EV steps selectable)
ISO sensitivity (Recommended Exposure Index)	Still images: ISO 100 - 32000 (expandable to ISO 50 - 102400), AUTO (ISO 100 - 6400, selectable lower limit and upper limit), Movies: ISO 100 - 32000 equivalent, AUTO (ISO 100 - 6400, selectable lower limit and upper limit)
Anti-flicker Shoot.	Yes <sup>40</sup>
<b>Flash</b>	
Type	-
Control	Pre-flash TTL
Flash Compensation	+/- 3.0 EV (switchable between 1/3 and 1/2 EV steps)
External Flash Compatibility	Sony $\alpha$ System Flash compatible with Multi Interface Shoe, attach the shoe adaptor for flash compatible with Auto-lock accessory shoe
<b>Focus system</b>	
Type	Fast Hybrid AF (phase-detection AF / contrast-detection AF)
Focus Point	Still images: Max. 759 points (phase-detection AF), Movies: Max. 495 points (phase-detection AF)
Focus Sensitivity Range	EV-3 to EV20 (ISO100 equivalent with F2.0 lens attached)
Recognition target (Still images)	Human, Animal, Bird, Insect, Car, Train, Airplane
Recognition target (Movies)	Human, Animal, Bird, Insect, Car, Train, Airplane
Other Features	AF Track Sens. (Still), AF Subj. Shift Sensitivity (Movie), AF Transition Speed (Movie), Switch V/H AF Area, AF Area Regist., Circ. of Focus Point, Focus Map (Movie), AF Assist (Movie)
AF Illuminator	Yes (with Built-in LED type)
<b>Image stabilization</b>	
Type	Image sensor-shift mechanism with 5-axis compensation (compensation depends on lens specifications)
Compensation effect (still images)	5.0 stops (based on CIPA standard. Pitch/yaw shake only. With FE 50mm F1.2 GM lens mounted. Long exposure NR off.)
Mode	Still images: On / Off Movie: Active / Standard / Off
<b>Interface</b>	
PC Interface	Mass Storage / MTP
USB Type-C <sup>®</sup> Terminal	Yes (SuperSpeed USB 5 Gbps (USB 3.2) compatible)
Wireless LAN (Built-In)	Yes (Wi-Fi Compatible, IEEE 802.11a/b/g/n/ac (2.4 GHz band/5 GHz band)) <sup>44, 45</sup>

Bluetooth	Yes (Bluetooth Standard Ver. 4.2 (2.4 GHz band))
HD Output	HDMI micro connector (Type-D), 3840 x 2160 (59.94p / 50p / 29.97p / 25p / 23.98p) / 1920 x 1080 (59.94p / 50p / 23.98p) / 1920 x 1080 (59.94i / 50i), YCbCr 4:2:2 10bit / RGB 8bit
Multi Interface Shoe	Yes (with Digital Audio Interface)
Mic Terminal	Yes (3.5 mm Stereo minijack)
Headphone Terminal	Yes (3.5 mm Stereo minijack)
Remote Control (Wireless)	Yes (Bluetooth remote control)
Functions	Send to smartphone, Remote control via smartphone, PC Remote
<b>LCD screen</b>	
Type	7.5 cm (3.0-type) type TFT
Touch Panel	Yes
Number of Dots	1 036 800 dots
Adjustable Angle	Opening Angle: Approx. 176°, Rotation Angle: Approx. 270°
<b>Lens compensation</b>	
Setting	Shading, Chromatic Aberration, Distortion, Breathing (Movie)
<b>Movie Functions</b>	
Slow & Quick Motion (S&Q)	Yes
Proxy recording	Yes
TC/UB	Yes
RAW Output	-
<b>Movie recording format (XAVC HS 4K)</b>	
3840 x 2160 (4:2:0, 10bit) (Approx.)	119.88p (200 Mbps), 100p (200 Mbps), 59.94p (150 Mbps / 75 Mbps / 45 Mbps), 50p (150 Mbps / 75 Mbps / 45 Mbps), 23.98p (100 Mbps / 50 Mbps / 30 Mbps)
3840 x 2160 (4:2:2, 10bit) (Approx.)	119.88p (280 Mbps), 100p (280 Mbps), 59.94p (200 Mbps / 100 Mbps), 50p (200 Mbps / 100 Mbps), 23.98p (100 Mbps / 50 Mbps)
<b>Movie recording format (XAVC S 4K)</b>	
3840 x 2160 (4:2:0, 8bit) (Approx.)	119.88p (200 Mbps), 100p (200 Mbps), 59.94p (150 Mbps), 50p (150 Mbps), 29.97p (100 Mbps / 60 Mbps), 25p (100 Mbps / 60 Mbps), 23.98p (100 Mbps / 60 Mbps)
3840 x 2160 (4:2:2, 10bit) (Approx.)	119.88p (280 Mbps), 100p (280 Mbps), 59.94p (200 Mbps), 50p (200 Mbps), 29.97p (140 Mbps), 25p (140 Mbps), 23.98p (100 Mbps)

Movie recording format (XAVC S HD)	
1920 x 1080 (4:2:0, 8bit) (Approx.)	119.88p (100 Mbps / 60 Mbps), 100p (100 Mbps / 60 Mbps), 59.94p (50 Mbps / 25 Mbps), 50p (50 Mbps / 25 Mbps), 29.97p (50 Mbps / 16 Mbps), 25p (50 Mbps / 16 Mbps), 23.98p (50 Mbps)
1920 x 1080 (4:2:2, 10bit) (Approx.)	59.94p (50 Mbps), 50p (50 Mbps), 29.97p (50 Mbps), 25p (50 Mbps), 23.98p (50 Mbps)
Movie recording format (XAVC S-I 4K)	
3840 x 2160 (4:2:2, 10bit) (Approx.)	59.94p (600 Mbps), 50p (500 Mbps), 29.97p (300 Mbps), 25p (250 Mbps), 23.98p (240 Mbps)
Movie recording format (XAVC S-I HD)	
1920 x 1080 (4:2:2, 10bit) (Approx.)	59.94p (222 Mbps), 50p (185 Mbps), 29.97p (111 Mbps), 25p (93 Mbps), 23.98p (89 Mbps)
Operating Temperature	
Operating Temperature	0 - 40 °C / 32 - 104 °F
Other features	
Other features	Soft Skin Effect, Creative Look, Custom function, Picture Profile, Time-lapse, Auto Framing, My Image Style
Playback	
Modes	Enlarged display mode, Protect, Rating, Shot Mark (Movie), Divider Frame, Crop, Photo Capture
Power	
Supplied Battery	One rechargeable battery pack NP-FZ100
Battery Life (Still Images)	Approx. 550 shots (Viewfinder) / Approx. 570 shots (LCD monitor) (CIPA standard)
Battery Life (Movie, actual recording)	Approx. 95 min (Viewfinder) / Approx. 100 min (LCD monitor) (CIPA standard)
Battery Life (Movie, continuous recording)	Approx. 190 min (Viewfinder) / Approx. 185 min (LCD monitor) (CIPA standard)
Internal Battery Charge	Yes (Available with USB Type-C Terminal. USB Power Delivery compatible)
USB Power supply	Yes (Available with USB Type-C Terminal. USB Power Delivery compatible)

Power consumption	
With viewfinder	Still images: Approx. 3.6 W (with E PZ 16-50mm F3.5-5.6 OSS lens attached), Movies: Approx. 5.2 W (with E PZ 16-50mm F3.5-5.6 OSS lens attached)
With LCD screen	Still images: Approx. 3.5 W (with E PZ 16-50mm F3.5-5.6 OSS lens attached), Movies: Approx. 5.3 W (with E PZ 16-50mm F3.5-5.6 OSS lens attached)
Recording system	
Memory Card Slot	Slot for SD (UHS-I/II compliant) memory card
Recording system (movie)	
Video Compression	XAVC S: MPEG-4 AVC/H.264, XAVC HS: MPEG-H HEVC/H.265
Audio Recording Format	LPCM 2ch (48 kHz 16 bit), LPCM 2ch (48 kHz 24 bit) <sup>39</sup> , LPCM 4ch (48 kHz 24 bit) <sup>39</sup>
Recording system (still image)	
Recording Format	JPEG (DCF Ver. 2.0, Exif Ver. 2.32, MPF Baseline compliant), HEIF (MPEG-A MIAF compliant), RAW (Sony ARW 4.0 format compliant)
Image Size (pixels) [3:2]	APS-C L: 6192 x 4128 (26 M), M: 4384 x 2920 (13 M), S: 3104 x 2064 (6.4 M)
Image Quality Modes	RAW, JPEG, HEIF (4:2:0 / 4:2:2), RAW & JPEG, RAW & HEIF
RAW Output	Yes
Shutter	
Shutter type	Mechanical shutter / Electronic shutter
Shutter Speed	Still images (Mechanical shutter): 1/4000 to 30 s, Bulb Still images (Electronic shutter): 1/8000 to 30 s Movies: 1/8000 to 1 s
Flash Sync. Speed	1/160 s
Electronic Front Curtain Shutter	Yes (ON/OFF)
USB Streaming	
Video data format	MJPEG, YUV420 <sup>47</sup>
Video resolution	3840 x 2160 (15p / 30p), 3840 x 2160 (12.5p / 25p), 1920 x 1080 (30p / 60p), 1920 x 1080 (25p / 50p), 1280 x 720 (30p), 1280 x 720 (25p)
Audio data format	LPCM 2ch (16bit 48 kHz)
Viewfinder	
Viewfinder Type	1.0 cm (0.39 type) electronic viewfinder (XGA OLED)
Number of Dots	2 359 296 dots
Magnification	Approx. 1.07x (35 mm camera equivalent: Approx. 0.70x) with 50 mm lens at infinity, -1 m <sup>-1</sup>
Diopetre Adjustment	-4.0 to +3.0 m <sup>-1</sup>
Eye Point	Approx. 22 mm from the eyepiece lens, 19.4 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
Weight	

With battery and memory card	Approx. 493 g
With battery and memory card (oz.)	Approx. 1 lb 1.4 oz
Body only	Approx. 409 g
Body only (oz.)	Approx. 0 lb 14.5 oz
<b>What's in the Box</b>	
Kit Lens	SELP1650
Supplied Accessory	Rechargeable Battery NP-FZ100, Shoulder strap, Accessory shoe cap, Eyepiece cup, Lens cap
<b>General Features</b>	
Lithium Battery	Yes

1. With compatible camera models.
2. See camera compatibility info at: <https://www.sony.net/dics/breathing/>. Angle of view and image quality may change slightly when this function is [ON]. Effective compensation may not be achieved in all situations
3. When powered off.

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