

Clifton Cameras Product Specification

Sony a6700 Camera Body

Specifications

Camera type:	Interchangeable lens digital camera
Lens mount:	E-mount
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
Optical low pass filter:	-
Color temperature range:	2500 K - 9900 K
Anti-Dust System:	Yes
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]: 2064 (6.4 M)	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
14bit RAW:	Yes
Video Compression:	XAVC S: MPEG-4 AVC/H.264 XAVC HS: MPEG-H HEVC/H.265
Audio Recording Format: 4ch (48 kHz 24 bit)	LPCM 2ch (48 kHz 16 bit)、LPCM 2ch (48 kHz 24 bit)、LPCM
Movie recording format (XAVC HS 4K)	
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)

Movie recording format (XAVC S 4K)

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); .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)

Slow & Quick Motion (S&Q): Yes

Proxy recording: Yes

TC/UB Movie Functions: Yes

RAW Output: -

Memory card slot: Slot for SD (UHS-I/II compliant) memory card

Type: Fast Hybrid AF (phase-detection AF / contrast-detection AF)

Focus point: Still images: Max. 759 points (phase-detection AF)

Focus point: Movies: Max. 495 points (phase-detection AF)

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); 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)

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
Viewfinder Type:	1.0 cm (0.39 type) electronic viewfinder (XGA OLED)
Number of dots:	2 359 296 dots
Magnification: mm lens at infinity, -1 m ⁻¹	Approx. 1.07x (35 mm camera equivalent: Approx. 0.70x) with 50
Diopter adjustment:	-4.0 to +3.0 m ⁻¹
Eye point:	Approx. 22 mm from the eyepiece lens, 19.4 mm from the eyepiece frame at -1 m ⁻¹ (CIPA standard)
Finder Frame Rate selection: 100fps	NTSC mode: STD 60fps / HI 120fps, PAL mode: STD 50fps / HI 100fps
Type:	7.5 cm (3.0-type) type TFT
Touch panel:	Yes
Number of dots (total):	1 036 800 dots
Adjustable angle:	Opening Angle: Approx. 176 °, Rotation Angle: Approx. 270 °
Other features: Time-lapse; Auto Framing; My Image Style	Soft Skin Effect; Creative Look; Custom function; Picture Profile;
Still images - zoom:	Approx. 2x
Movies - zoom:	Approx. 1.5x (4K), Approx. 2x (HD)
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:	Flash Sync. Speed 1/160 s
Electronic Front Shutter Curtain:	Yes (ON/OFF)
Type: (compensation depends on lens specifications)	Image sensor-shift mechanism with 5-axis compensation
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.)



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Mode:	Still images: On / Off
Mode:	Movie: Active / Standard / Off
Type:	-
Control:	Pre-flash TTL
Flash compensation:	+/- 3.0 EV (switchable between 1/3 and 1/2 EV steps)
External Flash Compatibility:	Sony α System Flash compatible with Multi Interface Shoe, attach the shoe adaptor for flash compatible with Auto-lock accessory shoe
Continuous drive speed (approx., max.):	Hi+: 11 fps
No. of frame recordable* (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
Pixel Shift Multi Shooting:	-
Modes: Divider Frame; Crop; Photo Capture	Enlarged display mode; Protect; Rating; Shot Mark (Movie);
Functions :	Screen Reader; Focus Magnifier; Focus Map (Movie); Peaking Display; Subject Recognition in AF; Touch Focus; Touch Tracking; Touch Shutter; AE; Vari-angle LCD screen; Custom function
PC interface:	Mass Storage / MTP
Multi / Micro USB Terminal:	-
USB Type-C® Terminal:	Yes (SuperSpeed USB 5 Gbps (USB 3.2) compatible)
NFC:	-
Sync. Terminal:	-
Wireless LAN(built-in): GHz band))	Yes (Wi-Fi Compatible, IEEE 802.11a/b/g/n/ac (2.4 GHz band/5
Bluetooth:	Yes (Bluetooth Standard Ver. 4.2 (2.4 GHz band))
HDMI output:	HDMI micro connector (Type-D)
HDMI output:	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)
LAN terminal:	-
Functions:	Send to smartphone; Remote control via smartphone; PC Remote



Video data format:	MJPEG; YUV420
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)
Microphone:	Built-in, stereo
Speaker:	Built-in, monaural
Lens compensation:	Shading, Chromatic Aberration, Distortion, Breathing (Movie)
Supplied Battery:	One rechargeable battery pack NP-FZ100
Battery Life (Still Images): (CIPA standard)	Approx. 550 shots (Viewfinder) / Approx. 570 shots (LCD monitor)
Battery Life (Movie, actual recording): (CIPA standard)	Approx. 95 min (Viewfinder) / Approx. 100 min (LCD monitor)
Battery Life (Movie, continuous recording): (CIPA standard)	Approx. 190 min (Viewfinder) / Approx. 185 min (LCD monitor)
Internal Battery Charge: compatible)	Yes (Available with USB Type-C Terminal. USB Power Delivery compatible)
USB Power supply: compatible)	Yes (Available with USB Type-C Terminal. USB Power Delivery compatible)
Power consumption with Viewfinder: lens attached)	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)
Power consumption with LCD screen: lens attached)	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)
Weight (with battery and memory card included):	Approx. 493 g
Body only :	Approx. 409 g
Dimensions (W x H x D): (FROM GRIP TO MONITOR)	Approx. 122.0 x 69.0 x 75.1 mm, Approx. 122.0 x 69.0 x 63.6 mm
Operating Temperature:	0 - 40 °C / 32 - 104 °F
Supplied Accessory: Accessory shoe cap: Eyepiece cup	Rechargeable Battery NP-FZ100; Shoulder strap; Body cap: