Clifton Cameras Product Specification

Sony a7c R Digital Camera Body Full Spec

Portal						
	Sub-Category				α Body [E-mount]	α Body [E-mount]
	Trial Model Code					
	Model Code				CX89800/1	CX89800/1
	Specification Code				CEC	AF1
	Sales Area				EU,LA	AP,EU
GL	Status				Final	Final
	Update Date				2023-08-16	2023-08-16
[SPECIFICATIONS]		Group Name	Sort	Header Name		
General	Camera type				Interchangeable lens digital camera	Interchangeable lens digital camera
General	Lens mount	Lens	2	Lens Mount	E-mount	E-mount
Camera section	Type	Image sensor	6	Type	35mm full frame (35.7 x 23.8 mm), Exmor R CMOS sensor	35mm full frame (35.7 x 23.8 mm), Exmor R CMOS sensor
Camera section	Number of pixels (effective)*1	Image sensor	4	Number Of Pixels (Effective)	Still images: Approx. 61.0 megapixels max.	Still images: Approx. 61.0 megapixels max.
Camera section	Number of pixels (effective)*1	Image sensor	4	Number Of Pixels (Effective)	Movies: Approx. 50.8 megapixels max.	Movies: Approx. 50.8 megapixels max.
Camera section	Number of pixels (total)	Image sensor	5	Number of Pixels (total)	Approx. 62.5 megapixels	Approx. 62.5 megapixels
Camera section	Color temperature				2500 K - 9900 K	2500 K - 9900 K

	range					
Camera section	Anti-Dust function	Image sensor	7	Anti-Dust System	Yes	Yes
Recording system (still image)	Recording format	Recording (still images)	9	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)	JPEG (DCF Ver. 2.0, Exif Ver. 2.32, MPF Baseline compliant), HEIF (MPEG-A MIAF compliant), RAW (Sony ARW 4.0 format compliant)
Recording system (still image)	Image size (pixels) [3:2]	Recording (still images)	10	Image Size (pixels) [3:2]	35mm full frame L: 9504 x 6336 (60 M), M: 6240 x 4160 (26 M), S: 4752 x 3168 (15 M)	35mm full frame L: 9504 x 6336 (60 M), M: 6240 x 4160 (26 M), S: 4752 x 3168 (15 M)
Recording system (still image)	Image quality modes	Recording (still images)	13	Image Quality Modes	RAW	RAW
Recording system (still image)	Image quality modes	Recording (still images)	13	Image Quality Modes	JPEG	JPEG
Recording system (still image)	Image quality modes	Recording (still images)	13	Image Quality Modes	HEIF (4:2:0 / 4:2:2)	HEIF (4:2:0 / 4:2:2)
Recording system (still image)	Image quality modes	Recording (still images)	13	Image Quality Modes	RAW & JPEG	RAW & JPEG
Recording system (still image)	Image quality modes	Recording (still images)	13	Image Quality Modes	RAW & HEIF	RAW & HEIF
Recording system (still image)	14bit RAW	Recording (still images)	19	RAW Output	Yes	Yes
Recording ng	Video compre	Recordin g	22	Video Compres	XAVC S: MPEG-4 AVC/H.264	XAVC S: MPEG-4 AVC/H.264

system (movie)	ssion	g (movie)		sion		
Recording system (movie)	Video compression	Recording (movie)	22	Video Compression	XAVC HS: MPEG-H HEVC/H.265	XAVC HS: MPEG-H HEVC/H.265
Recording system (movie)	Audio recording format	Recording (movie)	23	Audio Recording Format	LPCM 2ch (48 kHz 16 bit), LPCM 2ch (48 kHz 24 bit)*2 , LPCM 4ch (48 kHz 24 bit)*2	LPCM 2ch (48 kHz 16 bit), LPCM 2ch (48 kHz 24 bit)*2 , LPCM 4ch (48 kHz 24 bit)*2
Movie recording format (XAVC HS 4K)	3840 x 2160 (4:2:0, 10bit) (Approx.)				59.94p (150 Mbps / 75 Mbps / 45 Mbps)	59.94p (150 Mbps / 75 Mbps / 45 Mbps)
Movie recording format (XAVC HS 4K)	3840 x 2160 (4:2:0, 10bit) (Approx.)				50p (150 Mbps / 75 Mbps / 45 Mbps)	50p (150 Mbps / 75 Mbps / 45 Mbps)
Movie recording format (XAVC HS 4K)	3840 x 2160 (4:2:0, 10bit) (Approx.)				23.98p (100 Mbps / 50 Mbps / 30 Mbps)	23.98p (100 Mbps / 50 Mbps / 30 Mbps)
Movie recording format (XAVC HS 4K)	3840 x 2160 (4:2:2, 10bit) (Approx.)				59.94p (200 Mbps / 100 Mbps)	59.94p (200 Mbps / 100 Mbps)
Movie recording format (XAVC HS 4K)	3840 x 2160 (4:2:2, 10bit) (Approx.)				50p (200 Mbps / 100 Mbps)	50p (200 Mbps / 100 Mbps)
Movie recording format (XAVC HS 4K)	3840 x 2160 (4:2:2, 10bit) (Approx.)				23.98p (100 Mbps / 50 Mbps)	23.98p (100 Mbps / 50 Mbps)
Movie recording format (XAVC S 4K)	3840 x 2160 (4:2:0, 8bit) (Approx.)				59.94p (150 Mbps)	59.94p (150 Mbps)

Movie recording format (XAVC S 4K)	3840 x 2160 (4:2:0, 8bit) (Approx.)				50p (150 Mbps)	50p (150 Mbps)
Movie recording format (XAVC S 4K)	3840 x 2160 (4:2:0, 8bit) (Approx.)				29.97p (100 Mbps / 60 Mbps)	29.97p (100 Mbps / 60 Mbps)
Movie recording format (XAVC S 4K)	3840 x 2160 (4:2:0, 8bit) (Approx.)				25p (100 Mbps / 60 Mbps)	25p (100 Mbps / 60 Mbps)
Movie recording format (XAVC S 4K)	3840 x 2160 (4:2:0, 8bit) (Approx.)				23.98p (100 Mbps / 60 Mbps)	23.98p (100 Mbps / 60 Mbps)
Movie recording format (XAVC S 4K)	3840 x 2160 (4:2:2, 10bit) (Approx.)				59.94p (200 Mbps)	59.94p (200 Mbps)
Movie recording format (XAVC S 4K)	3840 x 2160 (4:2:2, 10bit) (Approx.)				50p (200 Mbps)	50p (200 Mbps)
Movie recording format (XAVC S 4K)	3840 x 2160 (4:2:2, 10bit) (Approx.)				29.97p (140 Mbps)	29.97p (140 Mbps)
Movie recording format (XAVC S 4K)	3840 x 2160 (4:2:2, 10bit) (Approx.)				25p (140 Mbps)	25p (140 Mbps)
Movie recording format (XAVC S 4K)	3840 x 2160 (4:2:2, 10bit) (Approx.)				23.98p (100 Mbps)	23.98p (100 Mbps)
Movie	1920 x				119.88p (100 Mbps / 60 Mbps)	119.88p (100 Mbps / 60 Mbps)

recording format (XAVC S HD)	1080 (4:2:0, 8bit) (Approx.)					
Movie recording format (XAVC S HD)	1920 x 1080 (4:2:0, 8bit) (Approx.)				100p (100 Mbps / 60 Mbps)	100p (100 Mbps / 60 Mbps)
Movie recording format (XAVC S HD)	1920 x 1080 (4:2:0, 8bit) (Approx.)				59.94p (50 Mbps / 25 Mbps)	59.94p (50 Mbps / 25 Mbps)
Movie recording format (XAVC S HD)	1920 x 1080 (4:2:0, 8bit) (Approx.)				50p (50 Mbps / 25 Mbps)	50p (50 Mbps / 25 Mbps)
Movie recording format (XAVC S HD)	1920 x 1080 (4:2:0, 8bit) (Approx.)				29.97p (50 Mbps / 16 Mbps)	29.97p (50 Mbps / 16 Mbps)
Movie recording format (XAVC S HD)	1920 x 1080 (4:2:0, 8bit) (Approx.)				25p (50 Mbps / 16 Mbps)	25p (50 Mbps / 16 Mbps)
Movie recording format (XAVC S HD)	1920 x 1080 (4:2:0, 8bit) (Approx.)				23.98p (50 Mbps)	23.98p (50 Mbps)
Movie recording format (XAVC S HD)	1920 x 1080 (4:2:2, 10bit) (Approx.)				59.94p (50 Mbps)	59.94p (50 Mbps)
Movie recording format (XAVC S HD)	1920 x 1080 (4:2:2, 10bit) (Approx.)				50p (50 Mbps)	50p (50 Mbps)
Movie recordi	1920 x 1080				29.97p (50 Mbps)	29.97p (50 Mbps)

ng format (XAVC S HD)	(4:2:2, 10bit) (Approx .)				
Movie recordi ng format (XAVC S HD)	1920 x 1080 (4:2:2, 10bit) (Approx .)			25p (50 Mbps)	25p (50 Mbps)
Movie recordi ng format (XAVC S HD)	1920 x 1080 (4:2:2, 10bit) (Approx .)			23.98p (50 Mbps)	23.98p (50 Mbps)
Movie recordi ng format (XAVC S-I 4K)	3840 x 2160 (4:2:2, 10bit) (Approx .)			59.94p (600 Mbps)	59.94p (600 Mbps)
Movie recordi ng format (XAVC S-I 4K)	3840 x 2160 (4:2:2, 10bit) (Approx .)			50p (500 Mbps)	50p (500 Mbps)
Movie recordi ng format (XAVC S-I 4K)	3840 x 2160 (4:2:2, 10bit) (Approx .)			29.97p (300 Mbps)	29.97p (300 Mbps)
Movie recordi ng format (XAVC S-I 4K)	3840 x 2160 (4:2:2, 10bit) (Approx .)			25p (250 Mbps)	25p (250 Mbps)
Movie recordi ng format (XAVC S-I 4K)	3840 x 2160 (4:2:2, 10bit) (Approx .)			23.98p (240 Mbps)	23.98p (240 Mbps)
Movie recordi ng format (XAVC S-I HD)	1920 x 1080 (4:2:2, 10bit) (Approx .)			59.94p (222 Mbps)	59.94p (222 Mbps)
Movie recordi ng	1920 x 1080 (4:2:2,			50p (185 Mbps)	50p (185 Mbps)

format (XAVC S-I HD)	10bit) (Approx.)					
Movie recording format (XAVC S-I HD)	1920 x 1080 (4:2:2, 10bit) (Approx.)				29.97p (111 Mbps)	29.97p (111 Mbps)
Movie recording format (XAVC S-I HD)	1920 x 1080 (4:2:2, 10bit) (Approx.)				25p (93 Mbps)	25p (93 Mbps)
Movie recording format (XAVC S-I HD)	1920 x 1080 (4:2:2, 10bit) (Approx.)				23.98p (89 Mbps)	23.98p (89 Mbps)
Movie function	Slow & Quick Motion (S&Q)				Yes	Yes
Movie function	Proxy recording				Yes	Yes
Movie function	TC/UB	Recording (movie)	36	Movie Functions	Yes	Yes
Movie function	RAW Output				Yes (HDMI)	Yes (HDMI)
Recording system	Memory card slot	Recording System	46	Memory Card Slot	Slot for SD (UHS-I/II compliant) memory card	Slot for SD (UHS-I/II compliant) memory card
Focus system	Type				Fast Hybrid AF (phase-detection AF / contrast-detection AF)	Fast Hybrid AF (phase-detection AF / contrast-detection AF)
Focus system	Focus point	Focus	55	Focus Point	Still images: Max. 693 points (phase-detection AF)	Still images: Max. 693 points (phase-detection AF)
Focus system	Focus point	Focus	55	Focus Point	Movies: Max. 693 points (phase-detection AF)	Movies: Max. 693 points (phase-detection AF)
Focus system	Sensitivity range	Focus	56	Focus Sensitivity Range	EV-4 to EV20 (ISO100 equivalent with F2.0 lens attached)	EV-4 to EV20 (ISO100 equivalent with F2.0 lens attached)
Focus system	Recognition target (Still				Human	Human

	images)					
Focus system	Recognition target (Still images)				Animal	Animal
Focus system	Recognition target (Still images)				Bird	Bird
Focus system	Recognition target (Still images)				Insect	Insect
Focus system	Recognition target (Still images)				Car	Car
Focus system	Recognition target (Still images)				Train	Train
Focus system	Recognition target (Still images)				Airplane	Airplane
Focus system	Recognition target (Movies)				Human	Human
Focus system	Recognition target (Movies)				Animal	Animal
Focus system	Recognition target (Movies)				Bird	Bird
Focus system	Recognition target (Movies)				Insect	Insect
Focus system	Recognition target (Movies				Car	Car

	)					
Focus system	Recognition target (Movies)				Train	Train
Focus system	Recognition target (Movies)				Airplane	Airplane
Focus system	Other features	Focus	64	Other Features	AF Track Sens. (Still)	AF Track Sens. (Still)
Focus system	Other features	Focus	64	Other Features	AF Subj. Shift Sensitivity (Movie)	AF Subj. Shift Sensitivity (Movie)
Focus system	Other features	Focus	64	Other Features	AF Transition Speed (Movie)	AF Transition Speed (Movie)
Focus system	Other features	Focus	64	Other Features	Switch V/H AF Area	Switch V/H AF Area
Focus system	Other features	Focus	64	Other Features	AF Area Regist.	AF Area Regist.
Focus system	Other features	Focus	64	Other Features	Circ. of Focus Point	Circ. of Focus Point
Focus system	Other features	Focus	64	Other Features	Focus Map (Movie)	Focus Map (Movie)
Focus system	Other features	Focus	64	Other Features	AF Assist (Movie)	AF Assist (Movie)
Focus system	AF illuminator	Focus	65	AF Illuminator	Yes (with Built-in LED type)	Yes (with Built-in LED type)
Exposure control	Metering type	Exposure	68	Metering Type	1200-zone evaluative metering	1200-zone evaluative metering
Exposure control	Metering sensitivity	Exposure	70	Metering Sensitivity	EV-3 to EV20 (ISO100 equivalent with F2.0 lens attached)	EV-3 to EV20 (ISO100 equivalent with F2.0 lens attached)
Exposure control	Exposure compensation	Exposure	72	Exposure Compensation	+/- 5.0 EV (1/3 EV, 1/2 EV steps selectable)	+/- 5.0 EV (1/3 EV, 1/2 EV steps selectable)
Exposure control	ISO sensitivity	Exposure	76	ISO sensitivity (Recommended Exposure Index)	Still images: ISO 100 - 32000 (expandable to ISO 50 - 102400), AUTO (ISO 100 - 12800, selectable lower limit and upper limit)	Still images: ISO 100 - 32000 (expandable to ISO 50 - 102400), AUTO (ISO 100 - 12800, selectable lower limit and upper limit)
Exposure control	ISO sensitivity	Exposure	76	ISO sensitivity (Recommended Exposure	Movies: ISO 100 - 32000 equivalent, AUTO (ISO 100 - 12800, selectable lower limit and upper limit)	Movies: ISO 100 - 32000 equivalent, AUTO (ISO 100 - 12800, selectable lower limit and upper limit)

				Index)		
Exposure control	Anti-flicker Shoot.	Exposure	77	Anti-flicker Shoot.	Yes*3	Yes*3
Viewfinder	Type	Viewfinder	80	Viewfinder Type	1.0 cm (0.39 type) electronic viewfinder (XGA OLED)	1.0 cm (0.39 type) electronic viewfinder (XGA OLED)
Viewfinder	Number of dots	Viewfinder	81	Number of Dots	2 359 296 dots	2 359 296 dots
Viewfinder	Magnification	Viewfinder	85	Magnification	Approx. 0.70x (with 50 mm lens at infinity, -1 m^{-1})	Approx. 0.70x (with 50 mm lens at infinity, -1 m^{-1})
Viewfinder	Diopter adjustment	Viewfinder	86	Dioptre Adjustment	-4.0 to +3.0 m^{-1}	-4.0 to +3.0 m^{-1}
Viewfinder	Eye point	Viewfinder	87	Eye Point	Approx. 22 mm from the eyepiece lens, 19.6 mm from the eyepiece frame at -1 m^{-1} (CIPA standard)	Approx. 22 mm from the eyepiece lens, 19.6 mm from the eyepiece frame at -1 m^{-1} (CIPA standard)
Viewfinder	Finder Frame Rate selection	Viewfinder	88	Finder Frame Rate Selection	NTSC mode: STD 60fps / HI 120fps, PAL mode: STD 50fps / HI 100fps	NTSC mode: STD 60fps / HI 120fps, PAL mode: STD 50fps / HI 100fps
LCD screen	Type	LCD Screen	90	Type	7.5 cm (3.0-type) type TFT	7.5 cm (3.0-type) type TFT
LCD screen	Touch panel	LCD Screen	92	Touch Panel	Yes	Yes
LCD screen	Number of dots (total)	LCD Screen	91	Number of Dots	1 036 800 dots	1 036 800 dots
LCD screen	Adjustable angle	LCD Screen	94	Adjustable Angle	Opening Angle: Approx. 176 °, Rotation Angle: Approx. 270 °	Opening Angle: Approx. 176 °, Rotation Angle: Approx. 270 °
Other features	Other features				Soft Skin Effect	Soft Skin Effect
Other features	Other features				Creative Look	Creative Look
Other features	Other features				Custom function	Custom function
Other features	Other features				Picture Profile	Picture Profile
Other features	Other features				Time-lapse	Time-lapse
Other	Other				Auto Framing	Auto Framing

features	features					
Other features	Other features				My Image Style	My Image Style
Clear Image Zoom	Still images	Other Features	108	Clear Image Zoom	Approx. 2x	Approx. 2x
Clear Image Zoom	Movies	Other Features	109	Clear Image Zoom	Approx. 1.5x (4K), Approx. 2x (HD)	Approx. 1.5x (4K), Approx. 2x (HD)
Shutter	Shutter type				Mechanical shutter / Electronic shutter	Mechanical shutter / Electronic shutter
Shutter	Shutter speed	Shutter	135	Shutter Speed	Still images (Mechanical shutter): 1/4000 to 30 s, Bulb	Still images (Mechanical shutter): 1/4000 to 30 s, Bulb
Shutter	Shutter speed	Shutter	135	Shutter Speed	Still images (Electronic shutter): 1/8000 to 30 s	Still images (Electronic shutter): 1/8000 to 30 s
Shutter	Shutter speed	Shutter	135	Shutter Speed	Movies: 1/8000 to 1 s	Movies: 1/8000 to 1 s
Shutter	Flash sync. speed*4	Shutter	136	Flash Sync. Speed	1/160 s (35mm full frame), 1/200 s (APS-C)	1/160 s (35mm full frame), 1/200 s (APS-C)
Shutter	Electronic Front Shutter Curtain	Shutter	137	Electronic Front Curtain Shutter	Yes	Yes
Image stabilization	Type	Image Stabilization	139	Type	Image sensor-shift mechanism with 5-axis compensation (compensation depends on lens specifications)	Image sensor-shift mechanism with 5-axis compensation (compensation depends on lens specifications)
Image stabilization	Compensation effect (still images)	Image Stabilization	140	Compensation Effect	7.0 stops (based on CIPA standard. Pitch/yaw shake only. With FE 50mm F1.2 GM lens mounted. Long exposure NR off.)	7.0 stops (based on CIPA standard. Pitch/yaw shake only. With FE 50mm F1.2 GM lens mounted. Long exposure NR off.)
Image stabilization	Mode				Still images: On / Off	Still images: On / Off
Image stabilization	Mode				Movie: Active / Standard / Off	Movie: Active / Standard / Off
Flash	Type	Flash Control	141	Type	-	-
Flash	Control	Flash Control	144	Control	Pre-flash TTL	Pre-flash TTL

Flash	Flash compensation	Flash Control	145	Flash Compensation	+/- 3.0 EV (switchable between 1/3 and 1/2 EV steps)	+/- 3.0 EV (switchable between 1/3 and 1/2 EV steps)
Flash	External flash	Flash Control	149	External Flash Compatibility	Sony α System Flash compatible with Multi Interface Shoe, attach the shoe adaptor for flash compatible with Auto-lock accessory shoe	Sony α System Flash compatible with Multi Interface Shoe, attach the shoe adaptor for flash compatible with Auto-lock accessory shoe
Drive	Continuous drive speed (approx., max.)*5	Drive	153	Continuous Drive Speed (approx. max.)	Hi+: 8.0 fps	Hi+: 8.0 fps
Drive	No. of frame recordable* (approx.)*5	Drive	154	No. of recordable frames (approx.)	JPEG Extra fine L: 48 frames	JPEG Extra fine L: 48 frames
Drive	No. of frame recordable* (approx.)*5	Drive	154	No. of recordable frames (approx.)	JPEG Fine L: 320 frames	JPEG Fine L: 320 frames
Drive	No. of frame recordable* (approx.)*5	Drive	154	No. of recordable frames (approx.)	JPEG Standard L: over 1000 frames	JPEG Standard L: over 1000 frames
Drive	No. of frame recordable* (approx.)*5	Drive	154	No. of recordable frames (approx.)	RAW: 36 frames	RAW: 36 frames
Drive	No. of frame recordable* (approx.)*5	Drive	154	No. of recordable frames (approx.)	#RAW & JPEG: 32 frames	#RAW & JPEG: 32 frames
Drive	No. of frame recordable* (approx.)*5	Drive	154	No. of recordable frames (approx.)	RAW (Lossless Compressed): 16 frames	RAW (Lossless Compressed): 16 frames
Drive	No. of frame recorda	Drive	154	No. of recordable frames	RAW (Lossless Compressed) & JPEG: 15 frames	RAW (Lossless Compressed) & JPEG: 15 frames

	ble* (approx.)*5			(approx.)		
Drive	No. of frame recordable* (approx.)*5	Drive	154	No. of recordable frames (approx.)	RAW (Uncompressed): 14 frames	RAW (Uncompressed): 14 frames
Drive	No. of frame recordable* (approx.)*5	Drive	154	No. of recordable frames (approx.)	RAW (Uncompressed) & JPEG: 13 frames	RAW (Uncompressed) & JPEG: 13 frames
Drive	Pixel Shift Multi Shooting				Yes (4 shots / 16 shots)*6 *7	Yes (4 shots / 16 shots)*6 *7
Playback	Modes	Playback	157	Modes	Enlarged display mode	Enlarged display mode
Playback	Modes	Playback	157	Modes	Protect	Protect
Playback	Modes	Playback	157	Modes	Rating	Rating
Playback	Modes	Playback	157	Modes	Shot Mark (Movie)	Shot Mark (Movie)
Playback	Modes	Playback	157	Modes	Divider Frame	Divider Frame
Playback	Modes	Playback	157	Modes	Crop	Crop
Playback	Modes	Playback	157	Modes	Photo Capture	Photo Capture
Accessibility	Functions				Screen Reader	Screen Reader
Accessibility	Functions				Focus Magnifier	Focus Magnifier
Accessibility	Functions				Focus Map (Movie)	Focus Map (Movie)
Accessibility	Functions				Peaking Display	Peaking Display
Accessibility	Functions				Subject Recognition in AF	Subject Recognition in AF
Accessibility	Functions				Touch Focus	Touch Focus
Accessibility	Functions				Touch Tracking	Touch Tracking
Accessibility	Functions				Touch Shutter	Touch Shutter
Accessibility	Functions				Touch AE	Touch AE
Accessibility	Functions				Vari-angle LCD screen	Vari-angle LCD screen

Accessibility	Functions				Custom function	Custom function
Accessibility	Functions				Enlarge Menu Screen	Enlarge Menu Screen
Interface	PC interface	Interface	158	PC Interface	Mass Storage / MTP	Mass Storage / MTP
Interface	Multi / Micro USB terminal *8	Interface	159	Multi / Micro USB Terminal	-	-
Interface	USB Type-C® Terminal				Yes (SuperSpeed USB 5 Gbps (USB 3.2) compatible)	Yes (SuperSpeed USB 5 Gbps (USB 3.2) compatible)
Interface	NFC	Interface	160	NFC™	-	-
Interface	Sync. Terminal	Interface	174	Sync Terminal	-	-
Interface	Wireless LAN (built-in)	Interface	163	Wireless LAN (Built-In)	Yes (Wi-Fi Compatible, IEEE 802.11a/b/g/n/ac (2.4 GHz band/5 GHz band))*9 *10	Yes (Wi-Fi Compatible, IEEE 802.11b/g/n (2.4 GHz band))*11
Interface	Bluetooth	Interface	167	Bluetooth	Yes (Bluetooth Standard Ver. 4.2 (2.4 GHz band))	Yes (Bluetooth Standard Ver. 4.2 (2.4 GHz band))
Interface	HDMI output	Interface	168	HD Output	HDMI micro connector (Type-D)	HDMI micro connector (Type-D)
Interface	HDMI output	Interface	168	HD 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	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
Interface	HDMI output	Interface	168	HD Output	3848 x 2168 (59.94p / 50p / 29.97p / 25p / 23.98p), Raw 16bit	3848 x 2168 (59.94p / 50p / 29.97p / 25p / 23.98p), Raw 16bit
Interface	Multi Interface Shoe*12	Interface	169	Multi Interface Shoe	Yes (with Digital Audio Interface)	Yes (with Digital Audio Interface)
Interface	Mic Terminal	Interface	170	Mic Terminal	Yes (3.5 mm Stereo minijack)	Yes (3.5 mm Stereo minijack)
Interface	Headphone terminal	Interface	178	Headphone Terminal	Yes (3.5 mm Stereo minijack)	Yes (3.5 mm Stereo minijack)
Interface	Remote Control (Wireless)				Yes (Bluetooth remote control)	Yes (Bluetooth remote control)
Interface	LAN terminal				-	-

Interface	Functions				FTP Transfer Func.(Wired LAN(USB-LAN), USB Tethering, Wi-Fi)	FTP Transfer Func.(Wired LAN(USB-LAN), USB Tethering, Wi-Fi)
Interface	Functions				Send to smartphone	Send to smartphone
Interface	Functions				Remote control via smartphone	Remote control via smartphone
Interface	Functions				PC Remote	PC Remote
USB Streaming	Video data format				MJPEG	MJPEG
USB Streaming	Video data format				YUV420*13	YUV420*13
USB Streaming	Video resolution				3840 x 2160 (15p / 30p)	3840 x 2160 (15p / 30p)
USB Streaming	Video resolution				3840 x 2160 (12.5p / 25p)	3840 x 2160 (12.5p / 25p)
USB Streaming	Video resolution				1920 x 1080 (30p / 60p)	1920 x 1080 (30p / 60p)
USB Streaming	Video resolution				1920 x 1080 (25p / 50p)	1920 x 1080 (25p / 50p)
USB Streaming	Video resolution				1280 x 720 (30p)	1280 x 720 (30p)
USB Streaming	Video resolution				1280 x 720 (25p)	1280 x 720 (25p)
USB Streaming	Audio data format				LPCM 2ch (16bit 48 kHz)	LPCM 2ch (16bit 48 kHz)
Audio	Microphone	Audio	182	Microphone	Built-in, stereo	Built-in, stereo
Audio	Speaker	Audio	183	Speaker	Built-in, monaural	Built-in, monaural
Lens compensation	Lens compensation	Lens Compensation	187	Setting	Shading, Chromatic Aberration, Distortion, Breathing (Movie)	Shading, Chromatic Aberration, Distortion, Breathing (Movie)
Power	Battery	Power	188	Supplied Battery	One rechargeable battery pack NP-FZ100	One rechargeable battery pack NP-FZ100
Power	Still images*14	Power	189	Battery Life (Still Images)	Approx. 490 shots (Viewfinder) / Approx. 530 shots (LCD monitor) (CIPA standard)	Approx. 490 shots (Viewfinder) / Approx. 530 shots (LCD monitor) (CIPA standard)
Power	Movies (actual shooting)*15	Power	190	Battery Life (Movie, actual recording)	Approx. 95 min (Viewfinder) / Approx. 100 min (LCD monitor) (CIPA standard)	Approx. 95 min (Viewfinder) / Approx. 100 min (LCD monitor) (CIPA standard)

Power	Movies (continuous shooting)	Power	191	Battery Life (Movie, continuous recording)	Approx. 155 min (Viewfinder) / Approx. 155 min (LCD monitor) (CIPA standard)	Approx. 155 min (Viewfinder) / Approx. 155 min (LCD monitor) (CIPA standard)
Power	Internal battery charge	Power	192	Internal Battery Charge	Yes (Available with USB Type-C Terminal. USB Power Delivery compatible)	Yes (Available with USB Type-C Terminal. USB Power Delivery compatible)
Power	USB power supply	Power	196	USB Power supply	Yes (Available with USB Type-C Terminal. USB Power Delivery compatible)	Yes (Available with USB Type-C Terminal. USB Power Delivery compatible)
Power consumption	With viewfinder	Power	194	Power consumption with Viewfinder	Still images: Approx. 4.0 W (with FE 28-60mm F4-5.6 lens attached)	Still images: Approx. 4.0 W (with FE 28-60mm F4-5.6 lens attached)
Power consumption	With viewfinder	Power	194	Power consumption with Viewfinder	Movies: Approx. 6.3 W (with FE 28-60mm F4-5.6 lens attached)	Movies: Approx. 6.3 W (with FE 28-60mm F4-5.6 lens attached)
Power consumption	With LCD screen	Power	195	Power consumption with LCD screen	Still images: Approx. 3.7 W (with FE 28-60mm F4-5.6 lens attached)	Still images: Approx. 3.7 W (with FE 28-60mm F4-5.6 lens attached)
Power consumption	With LCD screen	Power	195	Power consumption with LCD screen	Movies: Approx. 6.3 W (with FE 28-60mm F4-5.6 lens attached)	Movies: Approx. 6.3 W (with FE 28-60mm F4-5.6 lens attached)
Weight	With battery and memory card	Size & Weight	198	Weight (with battery and memory card included)	Approx. 515 g	Approx. 515 g
Weight	With battery and memory card (oz.)	Size & Weight	199	Weight (with battery and memory card included)	Approx. 1 lb 2.2 oz	Approx. 1 lb 2.2 oz
Weight	Body only				Approx. 430 g	Approx. 430 g
Weight	Body only (oz.)				Approx. 0 lb 15.2 oz	Approx. 0 lb 15.2 oz
Dimensions	Dimensions (W x H x D)	Size & Weig	200	Dimensions (W x H x D)	Approx. 124.0 x 71.1 x 63.4 mm, Approx. 124.0 x 71.1 x 58.6 mm (FROM GRIP TO	Approx. 124.0 x 71.1 x 63.4 mm, Approx. 124.0 x 71.1 x 58.6 mm (FROM GRIP TO

		ht			MONITOR)	MONITOR)
Dimens ions	Dimensi ons (W x H x D) (in.)	Size & Weig ht	201	Dimensio ns (W x H x D)	Approx. 5 x 2 7/8 x 2 1/2 inches, Approx. 5 x 2 7/8 x 2 3/8 inches (FROM GRIP TO MONITOR)	Approx. 5 x 2 7/8 x 2 1/2 inches, Approx. 5 x 2 7/8 x 2 3/8 inches (FROM GRIP TO MONITOR)
Operati ng Temper ature	Operati ng temper ature	Othe rs	197	Operatin g Tempera ture	0 - 40 ℃ / 32 - 104 °F	0 - 40 ℃ / 32 - 104 °F
Supplie d Access ory	Kit Lens				-	-
Supplie d Access ory	Supplie d Access ory				Rechargeable Battery NP- FZ100	Rechargeable Battery NP- FZ100
Supplie d Access ory	Supplie d Access ory				Shoulder strap	Shoulder strap
Supplie d Access ory	Supplie d Access ory				Body cap	Body cap
Supplie d Access ory	Supplie d Access ory				Accessory shoe cap	Accessory shoe cap
Supplie d Access ory	Supplie d Access ory				Grip extension	Grip extension
					*1 Number of effective pixels varies depending on attached lenses and camera settings.	
					*2 When using accessories that support 4ch output / 24 bits with the Multi Interface Shoe.	
					*3 Anti-flicker Shooting is not available when the [Shutter Type] setting is set to [Electronic Shutter].	
					*4 With compatible Sony external flash	
					*5 Varies according to shooting conditions or memory card used	
					*6 Images shot in Pixel Shift Multi Shooting mode can be processed using a dedicated imaging software by Sony.	
					*7 Maximum flash-sync speed is limited to 1/8 second.	
					*8 Supports Micro USB compatible device.	
					*9 (Configuration method/Access method) WPS or manually /infrastructure mode. When connecting to smartphones, the camera can always work as a base without a wireless access point. (Security: WEP/WPA-PSK/WPA2-PSK/WPA3-SAE)	
					*10 Models sold in some countries/regions support IEEE 802.11b/g/n (2.4GHz) wireless LAN only.	
					*11 (Configuration method/Access method) WPS or manually /infrastructure mode. When connecting to smartphones, the	

					camera can always work as a base without a wireless access point. (Security: WEP/WPA-PSK/WPA2-PSK)
					*12 Sony accessories for the Accessory Shoe can be attached.
					*13 When [Resolution] is set to [HD(720p)], [MJPEG] is only available.
					*14 The LCD screen is turned on, shot once every 30 seconds, operate zoom alternately between W and T ends, flash strobe once every two times, turn power off and on once every ten times.
					*15 Indication recording time, which is defined by repeating the cycle: Power on, start recording, zoom , stand-by and power off.