

Main specifications of **α6100**

General	Camera type	Interchangeable-lens digital camera
	Lens mount	E-mount
Image sensor	Type	APS-C type (23.5 x 15.6mm) Exmor CMOS sensor
	Number of pixels (effective)	Approx. 24.2 megapixels
	Number of pixels (total)	Approx. 25.0 megapixels
	Image sensor aspect ratio	3:2
	Anti-dust system	-
Recording system (still images)	Recording format	JPEG (DCF Ver. 2.0, Exif Ver. 2.31, MPF Baseline compliant), RAW (Sony ARW 2.3 format)
	Image size	3:2 aspect ratio L: 6000 x 4000 (24M), M: 4240 x 2832 (12M), S: 3008 x 2000 (6.0M)
	16:9 aspect ratio (pixels)	L: 6000 x 3376 (20M), M: 4240 x 2400 (10M), S: 3008 x 1688 (5.1M)
	1:1 aspect ratio	L: 4000 x 4000 (16M), M: 2832 x 2832 (8.0M), S: 2000 x 2000 (4.0M)
	Sweep Panorama	Wide: horizontal 12416 x 1856 (23M), vertical 5536 x 2160 (12M), Standard: horizontal 8192 x 1856 (15M), vertical 3872 x 2160 (8.4M)
	Image quality modes	RAW, RAW + JPEG (Extra fine, Fine, Standard), JPEG (Extra fine, Fine, Standard)
	RAW output	14 bit
	Picture Effect	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)
	Creative Style	Standard, Vivid, Portrait, Landscape, Sunset, Black & White, Sepia (Contrast (-3 to +3 steps), Saturation (-3 to +3 steps), Sharpness (-3 to +3 steps))
	Dynamic range functions	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))
	Color space	sRGB standard (with sYCC gamut) and Adobe RGB standard compatible with TRILUMINOS Color
Recording system (movies)	Recording format	XAVC S / AVCHD format Ver. 2.0 compliant
	Video compression	XAVC S: MPEG-4 AVC/H.264 AVCHD: MPEG-4 AVC/H.264
	Audio recording format	XAVC S: LPCM 2ch
		AVCHD: Dolby Digital (AC-3), 2ch, Dolby Digital Stereo Creator
	Image size (pixels)	NTSC XAVC S 4K: 3840 x 2160 (30p, 100M), 3840 x 2160 (24p, 100M), 3840 x 2160 (30p, 60M), 3840 x 2160 (24p, 60M) XAVC S HD: 1920 x 1080 (120p, 100M), 1920 x 1080 (120p, 60M), 1920 x 1080 (60p, 50M), 1920 x 1080 (30p, 50M), 1920 x 1080 (24p, 50M), 1920 x 1080 (60p, 25M), 1920 x 1080 (30p, 16M) AVCHD: 1920 x 1080 (60p/28Mbps/PS, 60i/24Mbps/FX, 60i/17Mbps/FH, 24p/24Mbps/FX, 24p/17Mbps/FH)
		PAL XAVC S 4K: 3840 x 2160 (25p, 100M), 3840 x 2160 (25p, 60M) XAVC S HD: 1920 x 1080 (100p, 100M), 1920 x 1080 (100p, 60M), 1920 x 1080 (50p, 50M), 1920 x 1080 (25p, 50M), 1920 x 1080 (50p, 25M), 1920 x 1080 (25p, 16M) AVCHD: 1920 x 1080 (50i, 24M, FX), 1920 x 1080 (50i, 17M, FH)
		Slow & Quick motion (S&Q) Record Setting NTSC mode: 1920 x 1080 (60p, 30p, 24p) PAL mode: 1920 x 1080 (50p, 25p)
		Slow & Quick motion (S&Q) Frame Rate NTSC mode: 1fps, 2fps, 4fps, 8fps, 15fps, 30fps, 60fps, 120fps PAL mode: 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps
	Picture Profile	-
	Movie functions	Audio Level Display, Audio Rec Level, PAL/NTSC Selector, Proxy Recording (1280 x 720 (Approx. 9Mbps)), Auto Slow Shutter, Clean HDMI Info. (On/Off selectable)
	Color space	xyYCC standard (x.v.Color when connected via HDMI cable) compatible with TRILUMINOS Color
	Clean 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
	Media	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 ¹⁾ , microSDHC memory card ²⁾ , microSDXC memory card ³⁾
	Slot	Multi slot for Memory Stick Duo/ SD memory card
Noise reduction	Noise reduction	Long exposure NR: On/Off, available at shutter speeds longer than 1 sec., High ISO NR: Normal/Low/Off
	Multi Frame NR	Auto/ ISO 100 to 51200
White balance	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
	AWB micro adjustment	G7 to M7 (57-step), A7 to B7 (29-step)
	Priority Set in AWB	Yes
	Shutter AWB lock	-
	Bracketing	3 frames, H/L selectable
Focus system	Type	Fast Hybrid AF (phase-detection AF/contrast-detection AF) ²⁾
	Focus point	425 points (phase-detection AF) / 425 points (contrast-detection AF)
	Sensitivity range	EV-2 to EV20 (ISO 100 equivalent with F2.0 lens attached)
	AF modes	Automatic AF (AF-A), Single-shot AF (AF-S), Continuous AF (AF-C), Direct Manual Focus (DMF), Manual Focus
	Focus area	Wide (425 points (phase-detection AF), 425 points (contrast-detection AF)) / Zone / Center / Flexible Spot (S/M/L) / Expanded Flexible Spot / Tracking (Wide / Zone / Center / Flexible Spot (S/M/L) / Expanded Flexible Spot)
	Focus type with LA-EA3 (sold separately)	Phase-detection/contrast-detection selectable
Exposure control	Other features	Eye-start AF (only with LA-EA2 or LA-EA4 attached (sold separately)), Object Tracking, Eye AF (Right/Left Eye Select), AF micro adjustment with LA-EA2 or LA-EA4 (sold separately), Predictive control, Focus lock
	Metering type	1200-zone evaluative metering
	Metering sensor	Exmor CMOS sensor
	Metering sensitivity	EV-2 to EV20 (at ISO 100 equivalent with F2.0 lens attached)
	Metering modes	Multi-segment, Center-weighted, Spot (Standard/Large)
	Exposure modes	AUTO (iAuto/ Superior Auto), Programmed AE (P), Aperture priority (A), Shutter-speed priority (S), Manual (M), Movie (Programmed AE (P) / Aperture priority (A) / Shutter-speed priority (S) / Manual (M)), Slow & Quick Motion (Programmed AE (P) / Aperture priority (A) / Shutter-speed priority (S) / Manual (M)), Sweep Panorama, Scene Selection
	Scene Selection	Portrait, Sports Action, Macro, Landscape, Sunset, Night Scene, Hand-held Twilight, Night Portrait, Anti Motion Blur
	Exposure compensation	+/- 5.0 EV (in 1/3 EV or 1/2 EV steps)
	AE bracketing	Bracket: Cont., Bracket: Single, 3/5 frames selectable. With 5 frames, in 1/3, 1/2, 2/3, 1.0, 2.0 or 3.0 EV increments
	AE lock	Available with AE lock button. Locked when shutter button is pressed halfway
ISO sensitivity (Recommended Exposure Index)	Still images	ISO 100-32000 (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 100-32000 equivalent, AUTO (ISO 100-6400, selectable lower limit and upper limit)

Viewfinder	Type	OLED, 1.0cm (0.39 type) electronic viewfinder (color)
	Number of dots (total)	1,440,000 dots
	Brightness control	Auto/Manual (5 steps between -2 and +2)
	Color temperature control	Manual (5 steps)
	Field coverage	100%
	Magnification	Approx. 1.07x (35mm camera equivalent: Approx. 0.70x) with 50mm lens at infinity, -1m ⁻¹
	Diopter adjustment	-4.0 to +3.0m ⁻¹
	Eye point	Approx. 23mm from the eyepiece lens, 21.4mm from the eyepiece frame at -1m ⁻¹ (CIPA standard)
	Display	Graphic Display, Display All Info., No Disp. Info., Histogram
	Real-time image-adjustment display	On/Off
	Finder Frame Rate selection	-
	LCD screen	Type 7.5cm (3.0-type) wide type TFT
		Number of dots (total) 921,600 dots
		Touch Panel Yes
		Touch Focus Yes (Touch Panel/Touch Pad)
		Brightness control Manual (5 steps between -2 and +2), Sunny Weather mode
		Adjustable angle Up by approx. 180 degrees, down by approx. 74 degrees
		Display Graphic Display, Display All Info, No Disp. Info, Histogram, For viewfinder, Monitor Off
		Real-time image-adjustment display On/Off
		Focus magnifier 5.9x, 11.7x
		Zebra Yes (selectable level + range or lower limit as custom setting)
		Peaking MF Yes (Level setting: High/Mid/Low/Off, Color: White/Red/Yellow/Blue)
Other features	Interval Recording	Yes (1-60 sec. interval, 1-9999 shots, AE tracking)
	Face detection	Face Priority in AF (On/Off), Face Priority in Multi Metering (On/Off), Registered face priority (On/Off), Face registration (max. number detectable faces: 8)
	Auto Object Framing	Yes
	Clear Image Zoom	Still images: Approx. 2x, Movies: Approx. 1.5x (4K), Approx. 2x (HD)
	Digital zoom	Smart zoom (still images) M: Approx. 1.4x, S: Approx. 2.0x
		Digital zoom (still images) L: Approx. 4x, M: Approx. 5.7x, S: Approx. 8x
		Digital zoom (movies) Approx. 4x
	Lens compensation	Peripheral Shading, Chromatic Aberration, Distortion
	Others	Smile Shutter: Smile Shutter (selectable from 3 steps), Touch Shutter, Touch Focus: Yes (Touch Focus/Touch Pad/Touch Tracking), Bright Monitoring, Help guide, Area Setting, Shop Front Mode
	Shutter	Type Electronically controlled, vertical-traverse, focal-plane type
		Shutter speed Still images: 1/4000 to 30 sec., Bulb Movies: 1/4000 to 1/4 (1/3-step) NTSC: Up to 1/60 in AUTO mode (up to 1/30 in Auto Slow Shutter mode) PAL: Up to 1/50 in AUTO mode (up to 1/25 in Auto Slow Shutter mode)
		Flash sync. speed 1/160 sec. ¹⁾
		Electronic front curtain shutter Yes, On/Off
Flash Control	Silent Shooting	Yes, On/Off
	Control	Built-in flash
	Guide no.	6 (in meters at ISO 100)
	Flash coverage	16mm (focal-length printed on the lens body)
	Control	Pre-flash TTL
	Flash compensation	+/- 3.0 EV (switchable between 1/3 and 1/2 EV steps)
	Flash bracketing	3/5 frames selectable. With 3 frames, in 1/3, 1/2, 2/3 EV increments. With 5 frames, in 1/3, 1/2, 2/3 EV increments
	Flash modes	Flash off, Autoflash, Fill-flash, Slow Sync., Rear Sync., Red-eye reduction (On/Off selectable), Wireless control ⁴⁾ , Hi-speed sync ⁵⁾
	Recycling time	Approx. 4 sec.
	External flash	Sony α System Flash compatible with Multi Interface Shoe. Attach the shoe adaptor for flash compatible with Auto-lock Accessory Shoe.
FE level lock	Yes	
	Wireless control	Yes (Light signal: Available with Fill-flash, Slow Sync., Hi-speed sync. / Radio signal: Available with Fill-flash, Rear Sync., Slow Sync., Hi-speed sync.)
Drive	Drive modes	Single Shooting, Continuous shooting (Hi-/Hi-/Mid/Lo selectable), Self-timer, Self-timer (Cont.), Bracket: Single, Bracket: Cont., White Balance bracket, DRO bracket
		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/10 sec. delay)
	Speed (approx., max.) ³⁾ No. of recordable frames ⁴⁾ (approx.)	Continuous shooting: Hi+: 11 fps, Hi: 8 fps, Mid: 6 fps, Lo: 3 fps JPEG Extra fine L: 76 frames, JPEG Fine L: 77 frames, JPEG Standard L: 77 frames, RAW: 33 frames, RAW&JPG: 31 frames ⁶⁾
		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 (Manual/Off selectable), Slideshow, Panorama scrolling, Folder selection (Date/ Still/ AVCHD/ XAVC S HD/ XAVC S 4K), Forward/Rewind (movie), Delete, Protect, Rating, Display as Group
Interface	PC interface	Mass-storage, MTP, PC remote
	Multi / Micro USB Terminal	Yes ⁷⁾
	Wireless LAN (built-in)	Wi-Fi Compatible, IEEE802.11b/g/n (2.4GHz band) ⁸⁾ , Playback of still images and movies on smartphones, PCs and TVs
	NFC TM	Yes (NFC Forum Type 3 Tag compatible, One-touch remote, One-touch sharing)
	Bluetooth	Yes (Bluetooth Standard Ver. 4.1 (2.4GHz band))
	HD Output	HDMI micro connector (Type-D), BRAVIA Sync (link menu), PhotoTV HD, 4K movie output, 4K still image playback
Multi Interface Shoe	Yes ⁹⁾	
	Others	Microphone terminal (3.5mm Stereo minijack)
	Microphone	Built-in, stereo
	Speaker	Built-in, monaural
Print	Compatible standards	Exif Print, Print Image Matching III, DPoF setting
Custom function	Type	Custom key settings, Programmable Setting (Body 3 sets /memory card 4 sets), My Menu
	Power	Battery Rechargeable battery pack NP-FW50
		Still images Approx. 380 shots (Viewfinder) / Approx. 420 shots (LCD monitor) (CIPA standard) ¹⁰⁾
		Movies Approx. 70 min (Viewfinder) / Approx. 75 min (LCD monitor) (CIPA standard) ¹¹⁾ Approx. 125 min (Viewfinder) / Approx. 125 min (LCD monitor) (CIPA standard) ¹²⁾
		External power AC Adaptor AC-PW20 (sold separately)
	Weight	With battery and Memory Stick PRO Duo Approx. 396 g (approx. 14.0 oz.) Body only Approx. 352 g (approx. 12.5 oz.)
Dimensions	W x H x D (excluding protrusions)	Approx. 120.0mm x 66.9mm x 59.4mm, Approx. 120.0mm x 66.9mm x 49.9mm (from grip to monitor)/Approx. 4 3/4 x 2 3/4 x 2 3/8 inches, Approx. 4 3/4 x 2 3/4 x 2 inches (from grip to monitor)
	Operating temperature	Range 32-104°F / 0-40°C

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Interchangeable-lens digital camera

α 6100





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https://www.youtube.com/c/ImagingbySony



¹With adaptor (optional) ²Phase-detection AF may not work with certain lenses or may require lens software update. See Sony support page for details. ³With compatible Sony external flash. ⁴With compatible external flash. ⁵Varies according to shooting conditions or memory card used. ⁶In the case of this model, when using Continuous Shooting (Hi-) in Drive mode. ⁷Supports Micro USB compatible device. ⁸(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) ⁹Sony accessories for the Accessory Shoe can be attached. ¹⁰The 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. ¹¹Indication recording time, which is defined by repeating the cycle: Power on, start recording, zoom, stand-by and power off. ¹²The total movie recording time.
<http://www.sony.net/digitalimaging/>

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