

SONY

New Products Information

Interchangeable-lens
digital camera



α 6300

 **4D FOCUS**

BE MOVED



**Sony
Overseas
Models**

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Safety Cautions

To ensure correct use of this product, read the "Instruction Manual" prior to use.
Failure to follow all safeguards can result in fire, electric shock, or other accidents.
Do not use headphones while driving and cycling, etc.

Main specifications of ILCE-6300L(JE) / 6300Y(JE)

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	Charge protection coating on Optical Filter and ultrasonic vibration mechanism
Recording system (still images)	
Recording format	JPEG (DCF Ver. 2.0, Exif Ver. 2.3, MPF Baseline compliant), RAW (Sony ARW 2.3 format)
Image size (pixels)	3:2 aspect ratio L: 6000 x 4000 (24M), M: 4240 x 2832 (12M), S: 3008 x 2000 (6.0M)
	16:9 aspect ratio L: 6000 x 3376 (20M), M: 4240 x 2400 (10M), S: 3008 x 1688 (5.1M)
	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, JPEG Extra fine, JPEG Fine, JPEG Standard
RAW output	14-bit
Picture Effect	13 modes: Posterization (Color, B/W), Pop Color, Retro Photo, Partial Color (R, G, B, Y), High Contrast Monochrome, Toy Camera, Soft High-key, Soft Focus, HDR Painting, Rich-tone Monochrome, Miniature, Watercolor, Illustration
Creative Style	Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn Leaves, Black & White, Sepia (Contrast -3 to +3 steps, Saturation -3 to +3 steps, Sharpness -3 to +3 steps) [Style Box 1-6 also provided]
	Off, Dynamic Range Optimizer (Auto/Level (1-5)), Auto High Dynamic Range: Auto Exposure Difference, Exposure Difference Level (1.0-6.0 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 / MP4
Video compression	XAVC S: MPEG-4 AVC/H.264 AVCHD: MPEG-4 AVC/H.264 MP4: MPEG-4 AVC/H.264
	XAVC S: LPCM, 2ch
	AVCHD: Dolby Digital (AC-3), 2ch, Dolby Digital Stereo Creator MP4: MPEG-4 AAC-LC, 2ch
Audio recording format	XAVC S 4K: 3840 x 2160 (30p/100Mbps, 30p/60Mbps, 24p/100Mbps, 24p/60Mbps)
	XAVC S HD: 1920 x 1080 (60p/50Mbps, 30p/50Mbps, 24p/50Mbps, 120p/100Mbps, 120p/60Mbps)
Image size (pixels)	NTSC AVCHD: 1920 x 1080 (60p/28Mbps/PS, 60i/24Mbps/FX, 60i/17Mbps/FH, 24p/24Mbps/FX, 24p/17Mbps/FH) MP4: 1920 x 1080 (60p/28Mbps, 30p/16Mbps), 1280 x 720 (30p/6Mbps)
	PAL XAVC S 4K: 3840 x 2160 (25p/100Mbps, 25p/60Mbps) XAVC S HD: 1920 x 1080 (50p/50Mbps, 25p/50Mbps, 100p/100Mbps, 100p/60Mbps)
	AVCHD: 1920 x 1080 (50p/28Mbps/PS, 50i/24Mbps/FX, 50i/17Mbps/FH, 25p/24Mbps/FX, 25p/17Mbps/FH) MP4: 1920 x 1080 (50p/28Mbps, 25p/16Mbps), 1280 x 720 (25p/6Mbps)
High Frame Rate Recording	NTSC 1920 x 1080 (24p/12Mbps, 30p/16Mbps)
	PAL 1920 x 1080 (25p/16Mbps)
Picture Profile	Yes (Off / PPI-PP9) Parameters: Black level, Gamma (Movie, Still, Cine1,4, ITU709, ITU709 [800%], S-Log2, S-Log3), Black Gamma, Knee, Color Mode (Movie, Still, Cinema, Pro, ITU709 Matrix, White&Black, S-Gamut, S-Gamut3, Cine, S-Gamut3), Saturation, Color Phase, Color Depth, Detail, Copy, Reset
Movie functions	Audio Level Display, Audio Rec Level, AF Tracking Sensitivity, AF Drive Speed, Auto Slow Shutter, HDMI Info, Display (On/Off selectable), Time Code/User Bit, Picture Profile, Creative Style, Picture Effect, Rec Control, Dual Video Rec, Marker Setting, PAL/NTSC Selector, Gamma Display Assist
Color space	xvYCC standard (x.v.Color when connected via HDMI cable) compatible with TRILUMINOS Color
Clean HDMI output	
NTSC	3840 x 2160 (30p/24p) / 1920 x 1080 (60p/24p) / 1920 x 1080 (60i)
	YCbCr 4:2:2 8bit / RGB 8bit
PAL	3840 x 2160 (25p) / 1920 x 1080 (50p) / 1920 x 1080 (50i), YCbCr 4:2:2 8bit / RGB 8bit
Media	
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, microSDHC memory card, microSDXC memory card
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 selectable
Multi Frame NR	Auto/ISO 100 to 51200
White balance	
Modes	Auto WB / Daylight / Shade / Cloudy / Incandescent / Fluorescent (Warm White / Cool White / Day White / Daylight) / Flash / Color Temperature (2500 to 9900K) & Color Filter (G7 to M7: 57 steps, A7 to B7: 29 steps) / Custom / Underwater
AWB micro adjustment	G7 to M7 (57 steps), A7 to B7 (29 steps)
Bracketing	3 frames, H/L selectable
Focus system	
Type	Fast Hybrid AF (phase-detection AF/contrast-detection AF)
Focus point	425 points (phase-detection AF) / 169 points (contrast-detection AF)
Sensitivity range	EV-1 to EV20 (ISO100 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), 169 points (contrast-detection AF)) / Zone / Center / Flexible Spot (S/M/L) / Expand Flexible Spot / Lock-on AF (Wide / Zone / Center / Flexible Spot (S/M/L)/Expand Flexible Spot)
Focus type with LA-EA3 (sold separately)	Phase-detection/contrast-detection selectable
Other features	Lock-on AF, Eye AF, Predictive control, Focus lock; Eye-Start AF and AF micro adjustment (both only available with optional LA-EA2 or LA-EA4 attached), AF illuminator (built-in, LED type, range: Approx. 0.30-3m), AF ON
Exposure control	
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
Exposure modes	Auto (iAuto, Superior Auto), Programmed AE (P), Aperture priority (A), Shutter-speed priority (S), Manual (M), Scene Selection, Sweep Panorama, Movie/High Frame Rate (Programmed AE (P) / Aperture priority (A) / Shutter-speed priority (S) / Manual (M))
Scene Selection	Portrait, Landscape, Macro, Sports Action, Sunset, Night Portrait, Night Scene, Hand-held Twilight, Anti Motion Blur
Exposure compensation	+/-5.0 EV (in 1/3 EV or 1/2 EV steps)
AF bracketing	Bracket: Single/Bracket: Cont., 3/5/9 frames selectable. With 3 or 5 frames, in 1/3, 1/2, 2/3, 1.0, 2.0 or 3.0 EV increments, with 9 frames, in 1/3, 1/2, 2/3 or 1.0 EV increments.
AE lock	Available with AE lock button. Locked when shutter button is pressed halfway. Can be disabled from the Menu.
ISO sensitivity (Recommended Exposure Index)	Still images: ISO 100-25600 (expandable to 51200), AUTO (ISO 100-6400, selectable lower limit and upper limit), Movies: ISO 100-25600 equivalent, AUTO (ISO 100-6400, equivalent, selectable lower limit and upper limit)
Viewfinder	
Type	XGA OLED, 1.0cm (0.39 type) electronic viewfinder (color)
Total number of dots	2,359,296 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 / Digital Level Gauge
Real-time image-adjustment display	On/Off

Finder Frame Rate selection	Yes (1x, 2x)
LCD screen	
Type	7.5cm (3.0-type) wide type TFT
Total number of dots	921,600 dots
Brightness control	Manual (5 steps between -2 and +2), Sunny Weather mode
Adjustable angle	Up approx. 90 degrees, down approx. 45 degrees
Display selector (Finder/LCD)	Auto/Manual
Display	Graphic Display / Display All Info. / No Disp. Info. / Histogram / Digital Level Gauge / Shooting information for viewfinder mode
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)
Other features	
Face detection	On / On (Regist. Faces) / Off, Face registration, Face selection (Max. number of detectable faces: 8)
Auto Object Framing	Yes
Clear Image Zoom	Still / Movie: Approx. 2x
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
PlayMemories Camera Apps	Yes
Lens compensation	Peripheral shading, chromatic aberration, distortion
Zoom Ring Rotate	Yes
Others	ISO Auto Minimum Shutter Speed, Bright Monitoring, Copyright Info, Set File Name
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.
	Electronic front curtain shutter Yes, On / Off
Silent Shooting	Yes, On / Off
SteadyShot INSIDE (image stabilization)	
Type	Not supported (image stabilization supplied by lens)
Flash Control	
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	3/5/9 frames selectable. With 3 or 5 frames, in 1/3, 1/2, 2/3, 1.0, 2.0, 3.0 EV increments, with 9 frames, in 1/3, 1/2, 2/3, 1.0 EV increments.
Flash modes	Flash off, Autoflash, Fill-flash, Rear Sync., Slow Sync., Red-eye reduction (On/Off selectable), Hi-speed sync [*] , Wireless [*]
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 (wireless flash with lightning ratio control)
Drive	
Drive modes	Single shooting, Continuous shooting (Hi-/Hi-/Mid/Lo selectable), Self-timer, Self-timer (Cont.), Bracketing (Cont., Single, White Balance, DRO)
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.) ^{*)}	Continuous mode: 11fps (Hi+), 8fps (Hi), 6fps (Mid), 3fps (Lo)
No. of recordable frames ^{*)} (approx.)	44 frames (JPEG Extra fine L), 47 frames (JPEG Fine L), 55 frames (JPEG Standard L), 21 frames (RAW), 21 frames (RAW&JPEG)
Playback	
Modes	Single (with or without shooting information, Y RGB histogram & highlight/shadow warning), 12/30-frame index view, Enlarged display mode (Maximum magnification L: 16.7x, M: 11.8x, S: 8.3x), Auto Review (10/5/2 sec., off), Image orientation (Auto/Manual/Off selectable), Slideshow, Panorama scrolling, Folder selection (Still / Date / MP4 / AVCHD / XAVC S HD / XAVC S 4K), Forward/Rewind (Movie), Delete, Protect
Interface	
PC interface	Mass-storage, MTP, PC remote
Multi / Micro USB Terminal	Yes [*]
Wireless LAN (built-in)	Wi-Fi Compatible, IEEE802.11b/g/n (2.4GHz band) ^{*)} , 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)
HD output	HDMI micro connector (Type-D), BRAVIA Sync (link menu), PhotoTV HD, 4K movie output, 4K still image playback
Multi Interface Shoe	Yes
Others	Microphone terminal (3.5mm Stereo minijack)
Audio	
Microphone	Built-in stereo microphone or XLR-K2M / XLR-K1M / ECM-XYST1M (sold separately)
Speaker	Built-in, monaural
Print	
Compatible standards	Exif Print, Print Image Matching III, DPOF setting
Custom function	
Type	Custom key settings, Programmable setting
Memory function	Yes (2 sets)
Power	
Battery	Rechargeable battery pack NP-FW50
Still images	Approx. 350 shots (viewfinder) / Approx. 400 shots (LCD screen) [CIPA standard]
Movies	Actual ^{*)} : Approx. 70 min. (viewfinder) / Approx. 75 min. [LCD screen] [CIPA standard] Continuous ^{*)} : Approx. 115 min. (viewfinder) / Approx. 115 min. [LCD screen] [CIPA standard]
External power	AC Adaptor AC-PW20 (sold separately)
Weight	
With battery and Memory Stick PRO Duo	Approx. 404g (approx. 14.3 oz.)
Body only	Approx. 361g (approx. 12.8 oz.)
Dimensions	
W x H x D (excluding protrusions)	Approx. 120.0mm x 66.9mm x 48.8mm (approx. 4 3/4 x 2 3/4 x 1 15/16 in.)
Operating temperature	
Range	32°-104°F / 0-40°C

Specifications and features are subject to change without notice.

- *1 With compatible external flash.
- *2 Approximate. May vary depending on shooting conditions and media.
- *3 Supports Micro USB-compatible device.
- *4 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)
- *5 Continuous movie recording is possible for approximately 29 minutes (limited by product specifications).
- *6 Indicated recording time is defined by repeating the following cycle: Power on, start recording, zoom, stand-by and power off.
- *7 Indicated recording time is defined by repeating the following cycle: Pressing the MOVIE button. No other operations such as zoom are performed.

 Sony World Photography Awards

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