

Main specifications of α900

Camera	
Camera type	Digital SLR camera for use with interchangeable lenses
Lens mount	Sony α-mount
Lens compatibility	Sony α lenses, Minolta and Konica Minolta AF lenses ¹⁾
Image sensor	35mm-film format (35.9 × 24.0 mm), Exmor CMOS sensor
Sensor type	Approx. 24.6 megapixels
Effective pixels	Approx. 25.7 megapixels
Total pixels	Approx. 3.2
Aspect ratio	3:2
Anti-Dust function	Charge protection coating on low-pass filter, image-sensor shift mechanism
ISO sensitivity	ISO 200 – 3200 in 1/3 EV steps (ISO 100 – 4000 can be set on expanded ISO range) (recommended exposure index)
ISO Auto Range	ISO 200 – 1600, ISO 400 – 1600, ISO 400 – 800, ISO 200 – 800, ISO 200 – 400 selectable
Recording	
Image format	JPEG (DCF2.0 and Exif 2.21 compliant, DPOF supported), RAW (Sony RAW 2.0 format), RAW + JPEG <Aspect ratio 3:2> L size: 6048 × 4032 (24M), M size: 4400 × 2936 (13M), S size: 3024 × 2016 (6.1M)
Image size	<Aspect ratio 16:9> L size: 6048 × 3408 (21M), M size: 4400 × 2472 (11M), S size: 3024 × 1704 (5.2M) <AF-C size capture> L size: 3984 × 2656 (11M), M size: 2896 × 1928 (5.6M), S size: 1984 × 1320 (2.6M) RAW, cRAW (compressed), RAW & JPEG (Fine), cRAW (Compressed) & JPEG (Fine), Extra Fine, Fine, Standard
Image quality modes	Memory Stick Duo, Memory Stick PRO Duo, Memory Stick PRO-HG Duo, CompactFlash (Type I/II), UDMA II Mode 5 compliant, Microdrive
Media	Memory Stick Duo, Memory Stick PRO Duo, Memory Stick PRO-HG Duo, CompactFlash (Type I/II), UDMA II Mode 5 compliant, Microdrive
Card slot	Dual slot for Memory Stick Duo/CompactFlash, selectable with Quick Nav/ or from Setup Menu
Long exposure NR	On/Off selectable, available at shutter speeds longer than 1 sec.
Noise reduction	High ISO NR: High / Normal / Low / Off selectable at ISO 1600 or higher
Color space	sRGB / Adobe RGB selectable from Recording Menu 13 image styles: Standard / Vivid / Neutral / Clear / Deep / Light / Portrait / Landscape / Sunset / Night View / Autumn Leaves / Sharp / Sepia
Creative Style	Adjustable parameter: Contrast / Saturation / Sharpness / Brightness / Zone Matching ²⁾ 6 settings can be registered. ³⁾ Saturation cannot be set for BBW and Sepia. Modes: Off / Standard / Advanced Auto / Advanced (Lv 1 to 5) DRO Advanced Bracketing: 3 frames, Hi / Lo selectable
D-Range Optimizer	DRO Advanced Bracketing: 3 frames, Hi / Lo selectable
White Balance	Auto, Daylight, Shade, Cloudy, Tungsten, Fluorescent, Flash Color Temperature (2500 – 9900K) with color filter (1/3-step magenta / green compensation), Custom (3 settings can be registered)
Modes	3 frames, Hi / Lo level selectable
Bracketing	
Flash Control	TTL phase detection system
Type	CCD line sensor
Sensor	TTL phase detection system
No. of focus points	9 points (center dual-cross type) with 10 assist points
Sensitivity range	EV 0 – 18 (at ISO 100)
Modes	Single-shot AF (AF-S), Automatic AF (AF-A), Continuous AF (AF-C), Direct Manual Focus (DMF), Manual Focus (MF)
Focus areas	Wide, Spot, Local (9 local focus areas, selectable with multi selector)
Other features	AF Micro Adjustment (+/- 20-step increments for up to 30 different lenses), Predictive control, Focus lock, AF illuminator (LED, Range: approx. 1 – 7 m, Auto / Off selectable)
Exposure	
Metering	Type: TTL metering Cell: 40-segment honeycomb-pattern SPC Range: EV 0 – 20 (EV 2 – 20 in spot metering mode) (at ISO 100 with F1.4 lens) Modes: Multi segment, Center-weighted, Spot
Exposure control	Modes: Auto, Programmatic (P with program shift), Aperture priority (A), Shutter priority (S), Manual (M) Exposure compensation: +/- 3 EV, 0.3 / 0.5 EV steps selectable Bracketing: 3/5 frames selectable, Single or Continuous selectable, 0.3/0, 5/0.7/2.0 ⁴⁾ EV steps selectable 2.0 EV bracketing limited to 3 frames.
Viewfinder	
Type	Fixed eye-level, pentaprism
Field coverage	Approx. 100%
Magnification	Approx. 0.74 × (with 50mm lens at infinity, -1m ¹⁾)
Dioptr adjustment	-3.0 to +1.0 m ⁻¹⁾
Eye point	Approx. 20 mm from the eyepiece (at -1 m ⁻¹⁾)
Focusing screen	Spherical acute matte screen (Type G). User-replaceable Type L (grid type) and Type M (super-spherical acute matte type) available (both types optional)
Area displayed	AF area, Spot AF area, Spot metering area, Shooting area for aspect ratio 16:9 APS-C size area Flash compensation, Flash charging, Wireless flash, High-speed sync, Manual focus, Focus signal, Shutter speed, Aperture, EV scale, AE lock, Shot-resolving control, Camera shake warning, SteadyShot scale, Aspect ratio 16:9
Other displays	
Eyepiece shutter	Built in

Number of recordable frames for single media (Aspect ratio 3:2, image size L 24MB / M 13MB / S 6.1MB)

Memory Stick Duo Capacity	2GB			4GB			8GB			16GB		
	L	M	S	L	M	S	L	M	S	L	M	S
Standard	294	477	766	582	944	1517	1169	1896	3048	2369	3844	6179
Fine	196	334	582	388	662	1152	779	1330	2315	1579	2697	4694
Extra fine	85	152	275	168	302	545	339	606	1094	687	1229	2219
cRAW & JPEG	55	63	68	110	125	135	221	251	273	449	509	553
RAW & JPEG	41	45	48	81	89	95	164	180	191	333	365	388
cRAW	77	77	77	154	154	154	309	309	309	627	627	627
RAW	52	52	52	103	103	103	208	208	208	423	423	423

¹⁾ When you shoot with aspect ratio set to (16:9), or with AFPS-C size Capture function (On), you can record more frames than shown above.
However, when you record an image in RAW format with 16:9 aspect ratio, number of recordable frames is the same as with 3:2 aspect ratio.
²⁾ For further detail, please visit our website and go to "Support".

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LCD Monitor	
Type	3.0-inch type ¹⁾ Extra Fine LCD *Viewable area, measured diagonally
Total number of dots	921,600 dots
Coverage	100%
Brightness adjustment	Adjustable in +/- 5 steps
Preview	
Function	Intelligent Preview / Optical Preview selectable from menu
LCD Panel	
Displays	Shutter speed, Aperture, Exposure compensation, White balance, ISO sensitivity, Drive mode, Battery remaining, Remaining no. of recordable images, with illumination
Shutter	
Type	Electronically-controlled, vertical-frames, focal-plane type
Speed range	1/8000 to 30 sec., Bulb
Flash sync speed	1/200 sec. with SteadyShot INSIDE, 1/250 sec. without SteadyShot INSIDE
SteadyShot INSIDE (Image Stabilization)	
Type	Image-sensor shift mechanism
Indications	SteadyShot scale and camera-shake warning in the viewfinder
Compensation effect	Equivalent to approx. 2.5 to 4 steps in shutter speeds (varies according to shooting conditions and lens used)
Flash Control	
External flash units	αsystem flash units (optional)
Control	ADI, Pre-flash TTL
Flash exposure	3/5 frames, +/- 3 EV (0.3/0.5 EV steps selectable)
Modes	Auto/flash, Fill-flash, Rec. sync, Wireless ²⁾ Slow sync, High-speed Sync *HVL-F568M, HVL-F568M, HVL-F42AM, HVL-F568M supported full multi-flash functionality requires at least one HVL-F568M unit
Flash bracketing	3/5 frames, 0.3/0.5/0.7/2.0 EV step selectable * 2.0 EV bracketing limited to 3 frames.
Sync terminal	Built in, adaptable to the sync terminal of the opposite polarity
Date	
Modes	Single, Continuous (Hi / Lo selectable), Self-Timer (10 sec. / 2 sec. delay selectable), Mirror lock up, Remote commander
Continuous shooting speed	Hi: approx. 5 frames per sec. (max.), Lo: approx. 3 frames per sec. (max.)
No. of frames recordable	Standard: 285, Fine: 105, Extra Fine: 11, RAW: 12, cRAW: 12, RAW & JPEG: 10, cRAW & JPEG: 10
Playback	Single (with or without shooting information, with 4 previous / following images, RGB histogram & highlight / shadow warning), 4 / 9 / 25-frame index view, enlarged display modes (max. zoom ratio: L size: 19x, M size: 14x, S size: 9x4)
Interface	
Computer interface type	USB2.0 Hi-Speed, Mass Storage / Multi/LiN / PTP / PC Remote Control
Video output	NTSC / PAL selectable
HDMI output	HDMI mini connector, 1080 / 720p / SD selectable (optional HDMI cable required)
Remote control	Wired control: Remote Commander RM-S1AM / RM-L1AM (optional) Wireless control: with supplied Remote Commander
Others	PhotoTV HD supported
Supported OS Environments	
Windows	Windows 2000 Professional / Windows XP / Windows Vista
Macintosh	Mac OS X (v. 10.3 or later)
Print	
Compatible standards	Exif Print, Print Image Matching II, PictBridge
Battery	
Power source	One Rechargeable Battery Pack NP-FM50H, one CR2025 for Wireless Remote Commander
Battery performance	Approx. 880 shots (measured using CIPA standards)
External power source	AC Adapter / Charger AC-VG900AM (optional)
Dimensions	
Dimension (WxHxD)	Approx. 156.3 x 116.9 x 81.9 mm (6-1/8 x 4-5/8 x 3-1/4 in.) (excl. protrusions)
Weight	Approx. 850 g (1 lb 14 oz) (w/o battery, memory card, accessories)
Operating temperature	0 – 40 degrees C (32 – 104 degrees F)

*1) D1 lenses are not recommended for use with 35mm full-frame sensors due to their differing image circle size, which may affect light metering accuracy in certain shooting situations.

Specifications are based on the information available at the time of printing and are subject to change without notice.



The body cap of α900 uses polyamide 11 vegetable-based plastic derived from castor oil.