






# Main specifications of $\alpha$ 700

System	
<b>Camera type</b>	Digital SLR camera with built-in flash and interchangeable lenses
<b>Lens mount</b>	Sony $\alpha$ mount; compatible with Minolta A-type bayonet mount
<b>Lens compatibility</b>	All Sony lenses and Konica Minolta $\alpha$ / MAXXUM / DYNAX lens
Image Capture	
<b>Image sensor type</b>	Exmor™ CMOS sensor
<b>Image sensor size</b>	23.5 x 15.6 mm (APS-C type)
<b>Effective pixel number</b>	Approx. 12,246,000 pixels
<b>Total pixel number</b>	Approx. 13,053,000 pixels
<b>Anti-Dust system</b>	Charge protection coating on low pass filter and image-sensor shift mechanism
Recording	
<b>Media</b>	Memory Stick: Memory Stick Duo, Memory Stick PRO Duo, Memory Stick PRO-HG Duo CompactFlash card: Type I, Type II (UDMA / Microdrive)
<b>Slot</b>	Dual slot for Memory Stick Duo / CompactFlash
<b>File system</b>	FAT 12, 16, 32
<b>Image format</b>	JPEG; DCF 2.0 compliant , Exif 2.21 supported , DPOF 1.1 print functions supported ), RAW (ARW 2.0 format), RAW + JPEG
<b>Image size</b>	RAW: 4288 x 2856, L (12M, 3:2); 4272 x 2848, M (6.4M, 3:2); 3104 x 2064, S (3.0M, 3:2); 2128 x 1424, L (10M, 16:9); 4272 x 2400, M (5.4M, 16:9); 3104 x 1744, S (2.6M, 16:9); 2128 x 1200
<b>Color space</b>	sRGB, Adobe RGB
<b>Noise reduction</b>	Long Exp. NR: On/Off, available at shutter speeds longer than 1 sec. High ISO NR: High / Normal / Low, available at ISO 1600 or higher
<b>Creative Style</b>	Base Styles: Standard, Vivid, Neutral, Adobe RGB User setting registration: 3 style boxes: Standard, Vivid, Neutral, Adobe RGB, Clear, Deep, Light, Portrait, Landscape, Sunset, Night view, Autumn leaves, B/W, Sepia Adjustable Items: Contrast (-3 to +3 steps), Saturation (-3 to +3 steps), Sharpness (-3 to +3 steps), Brightness (-3 to +3 steps), Zone Matching (-1 to +2 steps)
<b>D-Range Optimizer</b>	Mode: Off, Standard / Advanced: Auto / Advanced: Level Advanced Level setting: 5 levels DRO advanced bracketing: 3 frames, H/L selectable
White Balance	
<b>Mode</b>	Auto, Daylight, Shade, Cloudy, Tungsten, Fluorescent, Flash Color Temperature / Color filter, Custom
<b>Color temperature</b>	2500 - 9900 K with 19-step Magenta / Green compensation
<b>White balance bracketing</b>	3 frames, H/L selectable
Super SteadyShot	
<b>System</b>	Image-sensor shift mechanism
<b>Capability</b>	Approx. 2.5 EV - 4 EV decrease in shutter speed (varies according to shooting conditions and lens used)
Viewfinder	
<b>Type</b>	Fixed eye-level system with optical glass type pentaprism
<b>Field of view</b>	95%
<b>Magnification</b>	0.9 x, with 50mm lens at infinity
<b>Eye relief</b>	Approx. 25 mm from the eyepiece, Approx. 21 mm from the eyepiece frame at -1 diopter
<b>Diopter adjustment</b>	-3.0 to +1.0 m <sup>-1</sup>
<b>Mirror</b>	Quick return mirror
<b>Focusing screen</b>	Spherical Acute Matte
Auto Focus System	
<b>Type</b>	(TTL) phase-detection system
<b>Sensor</b>	CCD line sensors
<b>No. of focus point</b>	11 points
<b>Sensitivity range</b>	0 EV to +18 EV (at ISO 100 equivalent)
<b>Focus mode</b>	Single-shot AF, Automatic AF, Continuous AF, Direct Manual Focus, Manual Focus
<b>Focus area</b>	Wide focus area (Auto, 11 areas), Spot focus area, Local focus area (11 local areas, selection with the multi-selector)
<b>Eye-Start AF system</b>	On/Off selectable
<b>AF illuminator</b>	Type: built-in, LED Range: approx. 1 m - 7 m
Auto Exposure System	
<b>Light metering</b>	Type: TTL metering Cell: 40-segment honeycomb-pattern SPC Range: 0 EV to 20 EV (+2 EV to +20 EV with Spot metering) (at ISO 100 equivalent with F1.4 lens) Mode: Multi segment, Spot, Center weighted
<b>Exposure setting</b>	Auto, Program AUTO (with Program Shift), Shutter priority, Aperture priority, Manual , Scene selection (Portrait, Landscape, Macro, Sports action, Sunset, Night view/portrait)
<b>Exposure compensation</b>	+/-3.0 EV, 0.3 EV / 0.5 EV steps selectable
<b>AE bracketing</b>	Bracket: Cont. / Bracket: Single, with 0.3 / 0.5 / 0.7 EV increments, 3/5 frames selectable
<b>ISO sensitivity (REI)</b>	AUTO: ISO 200 - 1600 (lower limit / upper limit selectable)
<b>ISO range</b>	ISO100 - 3200 equivalent (Up to ISO 6400 can be set as expanded ISO range.)
<b>ISO steps</b>	1/3 EV step

Flash	
<b>Built-in flash system</b>	Manual pop-up; approx. GN 12 (in meters at ISO 100); coverage of up to 16 mm (in the focal length); approx. 3 sec. recycling time; flash-ready indicator
<b>Flash metering system</b>	ADI flash / Pre-flash TTL / Manual flash
<b>Flash mode</b>	Autoflash, Fill-flash, Rear sync, Slow sync, Manual flash, Red-eye reduction, High speed sync (with external flash)
<b>Flash compensation</b>	+/- 3.0 EV (0.3 / 0.5 EV steps selectable)
<b>Flash bracketing</b>	3/5 frames, 0.3 / 0.5 / 0.7 EV steps selectable
<b>External flash</b>	Sony $\alpha$ System Flash Wireless control: available
Shutter	
<b>Type</b>	Electronically-controlled, vertical-traverse, focal-plane type
<b>Speed range</b>	1/8000 sec. - 30 sec., bulb
<b>Flash sync speed</b>	1/250 sec. (Super SteadyShot off), 1/200 sec. (Super SteadyShot on)
Drive	
<b>Drive mode</b>	Single-frame advance, Continuous advance (H/L selectable), Self-timer (10 sec. / 2 sec. / delay, with mirror-up function)
<b>Continuous advance rate</b>	Hi: approx. 5 fps max., Lo: approx. 3 fps
<b>No. of frames recordable w/ continuous advance</b>	RAW: 18, cRAW (compressed): 25, RAW+JPEG: 12, cRAW+JPEG: 12, JPEG (Extra fine): 16, JPEG (Standard/Fine): until memory card is full
Camera Function	
<b>Depth-of-field preview</b>	Yes (by pressing Depth-of-field preview button)
<b>Auto review</b>	10 sec. / 5 sec. / 2 sec. / Off selectable
LCD Monitor	
<b>LCD screen size</b>	7.5 cm (3.0 type) TFT
<b>Total number of dots</b>	921,600 (640 x 3 (RGB) x 480) dots
<b>Field of view</b>	100%
<b>LCD brightness setting</b>	+/-5 steps
Print	
<b>Print function</b>	Exif Print, Print Image Matching III, PictBridge, DPOF setting
Interface	
<b>HDMI Out</b>	HDMI type C minijack 1920 x 1080i 59.94/50 Hz, 1280 x 720p 59.94/50 Hz, 720 x 480p 59.94 Hz, 720 x 576p 50 Hz
<b>USB Out</b>	USB2.0 (Hi-Speed), USB Connecting (Mass Storage, PTP, Multi LUN)
<b>Sync. terminal</b>	Adaptable to the sync. terminal of the opposite polarity
<b>Video Out</b>	NTSC / PAL selectable (in Menu)
Remote Control	
<b>Wired</b>	With optional RM-S1AM or RM-L1AM
<b>Wireless</b>	With RMT-DSLR1
<b>PC control</b>	Image data transfer and camera control with supplied software
Power	
<b>Power source</b>	Battery: Solely with the Rechargeable Battery Back NP-FM500H (7.2 V) AC adapter: AC-VQ900AM (optional) (7.6 V)
<b>Battery charger</b>	BC-VM10
<b>Battery life</b>	Approx. 650 shots (CIPA measurement)
<b>Power saving mode</b>	Shut down after 1 / 3 / 5 / 10 / 30 min
Others	
<b>Dimension (WxHxD)</b>	Approx. 141.7 x 104.8 x 79.7 mm (excl. protrusions)
<b>Weight</b>	Approx. 690 g (w/o batteries, memory card, body accessories)
<b>Operating temperature</b>	32 - 104 degrees F (0 - 40 degrees C)

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

## Trademarks & Remarks

- \*  $\alpha$  is a trademark of Sony Corporation.
- \* Exmor, **EXMOR**, Bionz **BIONZ**, Bravia **BRAVIA**, Super SteadyShot, InfoLITHIUM , Memory Stick , Memory Stick PRO **MEMORY STICK PRO**, Memory Stick Duo **MEMORY STICK DUO**, Memory Stick PRO Duo **MEMORY STICK PRO DUO**, Memory Stick PRO-HG Duo **MEMORY STICK PRO-HG DUO**, Cyber-shot **CYBER-SHOT**, HANDYCAM **HANDYCAM**, and Magic Gate **MAGIC GATE** are registered trademarks or trademarks of Sony Corporation.
- \* Microsoft, Windows, and Windows Vista DirectX are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- \* Macintosh, Mac OS, iMac, iBook, PowerBook, and Power Mac, and eMac are trademarks or registered trademarks of Apple Inc.
- \* HDMI, HDMI logo, and High-Definition Multimedia Interface are registered trademarks or trademarks of HDMI Licensing LLC.
- \* Intel, Intel Core, MMX, and Pentium are trademarks or registered trademarks of Intel Corporation.
- \* CompactFlash is a registered trademark of SanDisk Corporation in the United States and/or other countries.
- \* Microdrive is a registered trademark of Hitachi Global Storage Technologies in the United States and/or other countries.
- \* Adobe is a registered trademark or a trademark of Adobe Systems Incorporated in the United States and/or other countries.
- \* D-Range Optimizer Advanced uses technology provided by Apical Limited. 
- \* All other company and product names mentioned herein are used for identification purposes only and may be the trademarks of their respective owners.
- \* The InfoLITHIUM, , is a lithium battery pack which can exchange data with compatible electronic equipment about its energy consumption. Sony recommends that you use the battery back with electronic equipment that have the  mark.