

SONY®



α

Sony **α700** DSLR

like.no.other™

Breathtaking quality from capture to playback. Sony α 700 – the DSLR you’ve been waiting for.



Screen image simulated

Sensational image quality

- **12.24 MP Sony Exmor™ CMOS sensor** with on-chip noise reduction before and after A/D conversion to create clean, low-noise images even at high sensitivity settings.
- **Powerful Bionz™ image processor** screens out noise before RAW data conversion and image processing to achieve rich image detail, contrast, and color – while speeding camera response.
- **Super SteadyShot® in-camera image stabilization** enables hand-held shooting at shutter speeds 2.5 to 4 steps slower than would otherwise be possible – effective with all α system lenses.

Exmor™
CMOS Sensor



BIONZ™



Zoom Lenses and Vertical Grip

See the back cover for camera specifications and a full lineup of α 700 system accessories.



DT 18-70mm f/3.5-5.6 (SAL1870)

Compact, lightweight standard zoom lens that covers a wide range of shots, from wide-angle to medium telephoto (35mm equivalent: 27 to 105mm).



DT 16-105mm F3.5-5.6 (SAL16105)

High-performance compact standard zoom lens with 16mm wide-angle coverage and high 6.6x magnification (35mm equivalent: 24 - 157.5mm).



State-of-the-art camera features

- **Fast, accurate 11-point center dual cross AF sensor** with Eye-Start[®] autofocus system that begins focusing the instant you bring your eye to the camera.
- **5 frame-per-second continuous shooting** at full resolution, so you can capture fast motion.
- **Creative Style settings for smooth, fast shooting** in a wide range of image styles – with advanced D-Range Optimizer to bring out more detail in bright highlights and dark shadows.
- **Intuitive Quick Navigation interface** for simple, comfortable one-handed camera setup and operation.
- **Sony Anti-Dust Technology** combines anti-static coating plus sensor vibration function that shakes off dust each time the camera is turned off.
- **Strong, lightweight magnesium alloy body** with rugged construction that resists dust and moisture.¹

Spectacular viewing

- **Built-in HDMI[™] Output² terminal** for direct connection to Sony BRAVIA[®] HDTV and other compatible HDTV screens – so you can view photos in the awesome quality of PhotoTV HD.
- **Large 3.0" XtraFine[™] LCD screen** with 921k pixels and wide-angle viewing for photo-quality viewing and sharing.

HDMI



G Series 70-300mm F4.5-5.6 G (SAL70300G)

Telephoto zoom lens with responsive SSM (Super Sonic wave Motor) and minimum focus distance of about 4 ft. (35mm equivalent: 105 - 450mm). Available in Spring 2008.



DT 18-250mm F3.5-6.3 (SAL18250)












All-in-one, high-magnification 14x zoom in a compact, lightweight design (35mm equivalent: 27 - 375mm).



Vertical Grip (VG-C70AM)

Provides a firm, comfortable grip, with duplicate controls for easy vertical shooting – and holds two NP-FM500H InfoLITHIUM[®] batteries.

Optional accessories for α 700

α Lens System	Shooting Accessories	Cases / Straps	Lens Accessories
A total of 24 lenses, including 3 new items, are available for full focal range coverage.	Exclusive to α700 Vertical Grip  VG-C70AM New	Exclusive to α700 Soft Carrying Case LCS-AMLC2* New (Camera case) 	Circular PL Filters VF-49CPAM, 55CPAM, 62CPAM, 72CPAM, 77CPAM New
Flash / Macro Flash / Ring Light	Exclusive to α700 LCD Protect Cover PCK-LH1AM New 	Soft Carrying Case LCS-SC20* New (System case) 	ND Filters VF-49NDAM, 55NDAM, 62NDAM, 72NDAM, 77NDAM New
External Flash HVL-F56AM External Flash HVL-F36AM Macro Twin Flash Kit HVL-MT24AM Ring Light HVL-RLAM	Exclusive to α700 LCD Protect Sheet PCK-LST1AM New 	Soft Carrying Case LCS-AMSC30 (System case) 	MC Protectors VF-49MPAM, 55MPAM, 62MPAM, 72MPAM, 77MPAM New
Flash Accessories	Exclusive to α700 LCD Protect Sheet PCK-LST1AM New	Shoulder Strap STP-SS2AM New (Nylon) 	Front Lens Caps ALC-F49A, ALC-F55A, ALC-F62A, ALC-F72A, ALC-F77A, ALC-F62Z, ALC-F72Z, ALC-F77Z
External Battery Adapter for Flash FA-EB1AM Off-Camera Shoe for Flash FA-CS1AM Triple Connector for Flash FA-TC1AM Off-Camera Cable for Flash FA-CC1AM Extension Cable for Flash FA-EC1AM Multi-Flash Cable FA-MC1AM	Body Cap ALC-B55 Magnifier FDA-M1AM Angle Finder FDA-A1AM Eyepiece Cup FDA-EP2AM New	Shoulder Strap STP-SH2AM (Genuine leather) 	Rear Lens Cap ALC-R55
Battery / Charger	Eyepiece Correctors FDA-ECF05, FDA-ECF10, FDA-ECF15, FDA-ECF20, FDA-ECF30, FDA-ECN10, FDA-ECN20, FDA-ECN30, FDA-ECN40	Shoulder Strap STP-SB1AM (Neoprene) 	Lens Hoods ALC-SH0001, ALC-SH0002, ALC-SH0003, ALC-SH0005, ALC-SH0006, ALC-SH0007, ALC-SH0008, ALC-SH0009, ALC-SH0010, ALC-SH0011, ALC-SH0013, ALC-SH0014, ALC-SH0016
Rechargeable Battery Pack NP-FM500H New  AC Adapter/Charger AC-VQ900AM	Remote Commander RM-S1AM Remote Commander RM-L1AM	Shoulder Strap STP-SH1AM (Genuine leather) 	Others Memory Stick Memory Stick Duo™ series, Memory Stick PRO-HG Duo™ series CompactFlash Card NCFB & NCF Series, NCFD Series Digital Photo Printer DPP-FP90 HDMI Cable VMC-15MHD, VMC-30MHD

Main specifications of α 700

System	Viewfinder	Shutter
Camera type Digital SLR camera with built-in flash and interchangeable lenses	Type Fixed eye-level system with optical glass type pentaprism	Type Electronically-controlled, vertical-traverse, focal-plane type
Lens mount Sony α mount; compatible with Minolta A-type bayonet mount	Field of view 95%	Speed range 1/8000 sec. - 30 sec., bulb
Lens compatibility All Sony lenses and Konica Minolta α / MAXXUM® / DYNAX lenses	Magnification 0.9 x, with 50mm lens at infinity	Flash sync speed 1/250 sec. (Super SteadyShot off), 1/200 sec. (Super SteadyShot on)
Image Capture	Eye relief Approx. 25 mm from the eyepiece, Approx. 21 mm from the eyepiece frame at -1 diopter	Drive
Image sensor type CMOS	Diopter adjustment -3.0 to +1.0 m-1	Drive mode Single-frame advance, Continuous advance (H/L selectable), Self-timer (10 sec. / 2 sec. delay, with mirror-up function)
Image sensor size 23.5 x 15.6 mm (APS-C type)	Focusing screen Spherical Acute Matte	Continuous advance rate Hi: approx. 5 frames/sec. max., Lo: approx. 3 frames/sec.
Total pixel number Approx. 13,053,000 pixels	Auto Focus System	No. of frames recordable w/ continuous advance PEG (Extra fine): 8, RAW: 17, cRAW (compressed): 24, RAW+JPEG: 11, cRAW+JPEG: 12, JPEG (Standard / Fine): No limit (until the memory card is full)
Effective pixel number Approx. 12,246,000 pixels	No. of focus points 11 points	Camera Function
Anti-Dust system Charge protection coating on low pass filter and image-sensor shift mechanism	Sensitivity range 0 EV to +18 EV (at ISO 100 equivalent)	Depth-of-field preview Yes (by pressing Depth-of-field preview button)
Recording	Focus mode Single-shot AF, Automatic AF, Continuous AF, Direct Manual Focus, Manual Focus	Auto review 10 sec. / 5 sec. / 2 sec. / Off selectable
Media Memory Stick®, Memory Stick Duo™, Memory Stick PRO Duo™, Memory Stick PRO-HG Duo™	Focus area Wide focus area (Auto, 11 areas), Spot focus area, Local focus area (11 local areas, selection with the multi-selector)	LCD Monitor
Slot Dual slot for Memory Stick Duo / CompactFlash	Eye-Start AF system On/Off selectable	LCD screen size 7.5 cm (3.0 type) TFT
File system FAT 12, 16, 32	Auto Focus System	Total number of dots 921,600 (640 x 3 (RGB) x 480) dots
Image format JPEG, RAW (ARW 2.0 format), RAW + JPEG	Type: TTL metering	Field of view 100%
Image size 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	Cell: 40-segment honeycomb-pattern SPC	LCD brightness setting +/5 steps
Color space sRGB, Adobe RGB	Range: 0 EV to 20 EV (+2 EV to +20 EV with Spot metering) (at ISO 100 equivalent with F1.4 lens)	Print
Noise reduction 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	Mode: Multi segment, Spot, Center weighted	Print function Exif Print, Print Image Matching III, PictBridge, DPOF setting
Creative Style 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	Exposure setting Auto, Program AUTO (with Program Shift), Shutter priority, Aperture priority, Manual, Scene selection (Portrait, Landscape, Macro, Sports action, Sunset, Night view/portrait)	Interface
D-Range Optimizer Mode: Off, Standard / Advanced: Auto / Advanced: Level Advanced Level setting: 5 levels DRO advanced bracketing: 3 frames, H/L selectable	Exposure compensation +/-3.0 EV, 0.3 EV / 0.5 EV steps selectable	HDMI™ type C minijack
White Balance	AE bracketing Bracket: Cont. / Bracket: Single, with 0.3 / 0.5 / 0.7 EV increments, 3/5 frames selectable	HDMI Out 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
Mode Auto, Daylight, Shade, Cloudy, Tungsten, Fluorescent, Flash, Color Temperature / Color filter, Custom	ISO sensitivity (RE) AUTO: ISO 200 - 1600 (lower limit / upper limit selectable)	USB Out SB2.0 (Hi-Speed), USB Connecting (Mass Storage, PTP, Multi LUN)
Color temperature 2500 - 9900 K with 19-step Magenta / Green compensation	ISO range ISO100 - 3200 equivalent (Up to ISO 6400 can be set as expanded ISO range)	Sync. terminal Adaptable to the sync. terminal of the opposite polarity
White balance bracketing 3 frames, H/L selectable	ISO steps 1/3 EV step	Video Out NTSC / PAL selectable (in Menu)
Super SteadyShot	Auto Focus System	Remote Control
System Image-sensor shift mechanism	Built-in flash system 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	Wired With optional RM-S1AM or RM-L1AM
Capability Approx. 2.5 EV - 4 EV decrease in shutter speed (varies according to shooting conditions and lens used)	Flash metering system ADI flash / Pre-flash TTL / Manual flash	Wireless With RMT-DSLR1
	Flash mode Autoflash, Fill-flash, Rear sync, Slow sync, Manual flash	PC control Image data transfer and camera control with supplied software
	Flash compensation Red-eye reduction, High speed sync (with external flash) +/- 3.0 EV (0.3 / 0.5 EV steps selectable)	Power
	Flash bracketing 3/5 frames, 0.3 / 0.5 / 0.7 EV steps selectable	Power source Battery: Solely with the Rechargeable Battery Pack NP-FM500H (7.2 V) AC adapter: AC-VQ900AM (optional) (7.6 V)
		Battery charger BC-VM10
		Battery life Approx. 650 shots (CIPA measurement)
		Power saving mode Shut down after 1 / 3 / 5 / 10 / 30 min
		Others
		Dimension (WxHxD) Approx. 141.7 x 104.8 x 79.7 mm (excl. protrusions)
		Weight Approx. 690 g (w/o batteries, memory card, body accessories)

1 Not waterproof nor splash-proof.
2 HD Output requires a Sony® HDMI™ connector cable; HDTV sold separately.
3 Viewable area, measured diagonally.