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**α65**

Translucent  
Mirror Technology™

Full-time Continuous AF

# Main specifications of $\alpha 65$

<b>Type</b>		
Camera type	Interchangeable-lens digital camera with built-in flash	
<b>Lens Compatibility</b>		
Lens compatibility	Sony A-mount lenses, operation with Minolta/Konica Minolta lenses confirmed	
<b>Image sensor</b>		
Type	APS-C size (23.5 x 15.6 mm), Exmor™ APS HD CMOS sensor with primary color filters	
Number of pixels (effective)	Approx. 24.3 megapixels	
Number of pixels (total)	Approx. 24.7 megapixels	
Image sensor aspect ratio	3:2	
Anti-dust system	Charge protection coating on Low-Pass Filter and Image Sensor-Shift mechanism	
<b>Recording system (still image)</b>		
Recording format	JPEG (DCF Ver. 2.0, Exif Ver. 2.3, MPF Baseline compliant), RAW (Sony ARW 2.3 format), 3D MPO (MPF Extended compliant)	
3:2 aspect ratio	L: 6000 x 4000 (24M), M: 4240 x 2832 (12M), S: 3008 x 2000 (6M)	
16:9 aspect ratio	L: 6000 x 3376 (20M), M: 4240 x 2400 (10M), S: 3008 x 1688 (5.1M)	
Image size (pixels)	Sweep Panorama	Wide: horizontal 12,416 x 1,856 (23M), vertical 5,536 x 2,160 (12M), Standard: horizontal 8,192 x 1,856 (15M), vertical 3,872 x 2,160 (8.4M)
	3D Sweep Panorama	Wide: 7152 x 1080 (7.7M), Standard: 4912 x 1080 (5.3M), 16:9: 1920 x 1080 (2.1M)
Image quality modes	RAW, RAW & JPEG, JPEG Fine, JPEG Standard	
Picture Effect	11 modes (15 effects): 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	
Creative Style	Standard, Vivid, Portrait, Landscape, Sunset, B/W (Contrast -3 to +3 steps, Saturation -3 to +3 steps, Sharpness -3 to +3 steps)	
Dynamic range functions	Off, Dynamic Range Optimizer (Auto/Level), Auto High Dynamic Range: Off, Auto Exposure Difference, Exposure Difference Level (1-6 EV, 1.0 EV step)	
Color space	sRGB, Adobe RGB	
<b>Recording system (movie)</b>		
Recording format	AVCHD™ 2.0 (Progressive) / MP4	
Video compression	MPEG-4 AVC (H.264)	
Audio recording format	Dolby™ Digital (AC-3) / MPEG-4 AAC-LC	
Image size (pixels)	NTSC	AVCHD: 1920 x 1080 (60p/28Mbps/PS, 60i/17Mbps/FH, 24p/24Mbps/FX, 24p/17Mbps/FH) MP4: 1440 x 1080 (30fps/12Mbps), VGA: 640 x 480 (30fps/3Mbps)
<b>Media</b>		
Media	Memory Stick PRO Duo™, Memory Stick PRO-HG Duo™, SD memory card, SDHC memory card (UHS-I compliant), SDXC memory card (UHS-I compliant)	
Slot	Memory Stick Duo™/SD memory card	
<b>Noise reduction</b>		
Noise reduction	Long exposure NR: On/Off, available at shutter speeds longer than 1 sec. High ISO NR: High/Normal/Low	
Multi frame noise reduction	Auto/ISO 100 to 25600	
<b>White Balance</b>		
Modes	Auto WB, Daylight, Shade, Cloudy, Incandescent, Fluorescent (Warm white/Cool white/Day white/Daylight), Flash, C.Temp 2500 to 9900K, C.Filter G7 to M7, 15-step, Custom, AWB micro adjustment	
Two-axis fine adjustment	Available in all modes <G7 to M7 (15 steps), A7 to B7 (15 steps)>	
Bracketing	3 frames, Hi/L selectable	
<b>Focus system</b>		
Type	TTL phase-detection AF	
Focus sensor	CCD line sensors	
Focus point	15 points (3 points cross type)	
Sensitivity range	EV -1 to 18 (at ISO100 equivalent with F2.8 lens attached)	
Focus mode	Autofocus, Manual Focus	
AF mode	Single-shot AF (AF-S), Continuous AF (AF-C), Automatic AF (AF-A) selectable	
Focus area	Wide (Auto, 15 points), Zone, Spot, Local	
Other features	Object Tracking Focus, Predictive control (AF-A, AF-C), Focus lock, Eye-start AF, AF illuminator (built-in flash type)	
<b>Exposure control</b>		
Metering type	1200-zone evaluative metering	
Metering sensor	Exmor APS HD CMOS sensor	
Metering sensitivity	EV -2 to EV 17 (at ISO 100 equivalent with F1.4 lens attached)	
Modes	Multi segment, Center weighted, Spot	
Exposure modes	AUTO, Flash Off, AUTO Advanced (AUTO+), Scene Selection, Sweep Panorama, 3D Sweep Panorama, Continuous Advance Priority AE, Movie, Programmed AE (P), Aperture priority (A), Shutter-speed priority (S), Manual (M)	
Scene Selection	Portrait, Landscape, Macro, Sports Action, Sunset, Night Portrait, Night View, Hand-held Twilight	
Exposure compensation	±3 EV (1/3 EV steps)	
AE bracketing	3 shot single or continuous with 1/3 EV or 2/3 EV increments, bracket can be offset ±3EV with Exposure Compensation	
AE lock	Available with AE lock button. AE is also locked when focus is locked in multi-segment metering mode.	
ISO sensitivity (Recommended Exposure Index)	ISO 100-16000 equivalent, AUTO (ISO 100-1600)	
<b>Viewfinder</b>		
Type	XGA OLED, 0.5" (1.3 cm) electronic viewfinder	
Total number of dots (approx.)	2,359,296 dots	
Brightness control	Auto / Manual (3 steps between -1 and +1)	
Field coverage	100%	
Magnification	Approx. 1.09x (with 50 mm lens at infinity, -1 m <sup>-1</sup> )	
Dioptric adjustment	-4.0 ~ +3.0 m <sup>-1</sup>	
Eye point	Approx. 27 mm from the eyepiece lens, 22 mm from the eyepiece frame at -1 diopter (CIPA standard)	
Display	Histogram Display, Graphic Display, Digital Level Gauge, Shooting Data Display, SimpleDisplay, Grid Line,	
Real-time image adjustment display	Exposure Comp, White Balance, Creative Style	

<b>LCD monitor</b>	
Type	3.0" Xtra Fine LCD™ TFT display with TruBlack™ technology
Total number of dots (approx.)	921,600 dots
Brightness control	Auto/Manual (5 steps between -2 and +2)
Field coverage	100%
Adjustable angle	Tilt angle: Downward 180 degrees. Rotation angle: Leftward 270 degrees from the position in which the LCD monitor is facing forward.
Display Selector (finder/LCD)	Auto/Manual
Display	Histogram Display, Graphic Display, Digital Level Gauge, Shooting Data Display, Simple Display, Shooting Information For Viewfinder, Grid Line.
Real-time image adjustment display	Exposure Comp, White Balance, Creative Style
Focus Magnifier	5.9x, 11.7x
Peaking MF	Yes (Level: High/Mid/Low/Off, Color: White/Red/Yellow)
<b>Smart Teleconverter</b> (digital zoom without image deterioration)	
	Approx. 1.4 x / 2x
<b>Shutter</b>	
Type	Electronically controlled, vertical-traverse, focal-plane type
Shutter speed	1/4000 second to 30 seconds, Bulb
Flash sync. speed	1/160 second
Electronic front curtain shutter	Yes, On/Off
<b>SteadyShot INSIDE™</b> (image stabilization)	
System	For still images: Image Sensor-Shift mechanism, For movies: Electronic
SteadyShot capability	For still images: Approx. 2.5-4.5 EV decrease in shutter speed (varies according to shooting conditions and lens used)
<b>Flash</b>	
Type	Auto popup, built-in
Guide No.	10 (in meters at ISO 100)
Coverage	Field of view up to 18mm (indicated on lens), 27mm (35mm format equivalent)
Control	ADI flash / Pre-flash TTL
Compensation	±2.0 EV (1/3 EV steps)
Bracketing	3 single shots with 1/3 or 2/3 EV steps, bracketing can be offset ±2EV with Flash Exposure Compensation
Modes	Flash off, Auto/flash, Fill-flash, Rear sync., Slow Sync., Red-eye reduction (On/Off)
Recycling time	Approx. 3 sec
External flash	Sony $\alpha$ System Flash compatible with Auto-lock accessory shoe
Wireless control	Yes (wireless flash with lighting ratio control)
<b>Drive</b>	
Drive modes	Single Shot, Continuous (Hi/Lo), Self-timer (10/2 sec. delay), Bracketing (Cont., Single, White Balance), Remote Control (with optional RM-DSLR1)
Continuous shooting speed <sup>1</sup>	Hi: Maximum 8 frames per second, Lo: Maximum 3 frames per second Continuous Advance Priority AE: Maximum 10 images per second Continuous Advance Priority AE mode: Fine: 17 images, Standard: 18 images, RAW & JPEG: 11 images, RAW: 13 images Continuous shooting <sup>2</sup> : Fine: 18 images, Standard: 18 images, RAW & JPEG: 11 images, RAW: 13 images
Max. continuous shots <sup>1</sup>	
<b>Playback</b>	
Modes	Single (with or without shooting information), RGB histogram and highlight/shadow warning, 4/9-frame index view, Enlarged display mode (L: 13.6x, M: 9.9x, S: 6.8x), Auto Review (10/5/2 sec. Off), Image orientation (On/Off), Slideshow, Panorama scrolling, Folder selection (still), Forward/Rewind (movie), Delete, Protect
<b>Other features</b>	
	Face detection (up to 8 faces detectable automatically), Face registration, Face selection, Smile Shutter™ technology (Selectable from 3 steps), In-Camera Guide, Custom Function, GPS
<b>Interface</b>	
PC interface	Hi-speed USB (USB 2.0): Mass-storage, MTP
HD output	HDMI mini connector (Type-C), BRAVIA Sync (link menu), PhotoTV HD
Others	Sync. Terminal, Auto-lock accessory shoe, Microphone jack, DC IN terminal, Remote terminal
<b>Compatible OS (USB connection)</b>	
	Windows XP <sup>3</sup> , Windows Vista <sup>4</sup> , SP2, Windows 7 SP1, Mac OS X (10.3-10.6)
<b>Audio</b>	
Microphone	Built-in stereo microphone or ECM-ALST1 / ECM-CG50 (sold separately)
Speaker	Built-in, monaural, volume settings in 8 steps
<b>Print</b>	
Compatible standards	Exif Print, Print Image Matching III, DPOF setting
<b>Custom function</b>	
Type	Custom key settings
<b>Power</b>	
Battery	Rechargeable battery pack NP-FM500H
Still images	Approx. up to 510 shots with viewfinder and 560 up to shots with LCD monitor (CIPA standard)
Movies	Approx. up to 190 min. with viewfinder and up to 190 min. with LCD monitor <sup>5</sup>
External power	AC Adaptor AC-PCW10AM (optional)
<b>Weight</b>	
With battery and Memory Stick PRO Duo	Approx. 1 lb 5.9 oz (622 g)
Body only	Approx. 1 lb 3.1 oz (543 g)
<b>Dimensions</b>	
(W x H x D) (excluding protrusions)	Approx. 5 1/4 x 3 7/8 x 3 1/4 in. (132.1 x 97.5 x 80.7 mm)
<b>Body material</b>	
Body material	High-grade plastic exterior
<b>Operating temperature</b>	
Range	32°F to 104°F (0°C to 40°C)

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

1 Speed may vary depending on shooting conditions and memory card in use.

2 When drive mode is set to continuous shooting "Hi" mode.

3 64-bit and Starter Editions are not supported.

4 Starter Edition is not supported.

5 Records in 29 minute segments.



The 2012 Sony World Photography Awards is now accepting entries until January 4, 2012. For more details, visit the website at [www.worldphoto.org](http://www.worldphoto.org).

## System requirements of bundled software

	Image Data Converter Ver. 4	PMB
OS <sup>1</sup>	Microsoft Windows® Windows® XP <sup>3</sup> , Windows Vista® SP2, Windows 7 SP1	Microsoft Windows® Windows® XP <sup>3</sup> , Windows Vista® SP2, Windows 7 SP1
CPU	Pentium® 4 or faster	Pentium III 800 MHz or faster (for playing/editing HD movies: Intel Core Duo 1.66 GHz or faster, Intel Core 2 Duo 2.26 GHz or faster (HD FX/HD FH), Intel Core 2 Duo 2.40 GHz or faster (HD PS))
Memory	1 GB or more is recommended	512 MB or more (for playing/editing HD movies: 1 GB or more)

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- 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 pack with electronic equipment bearing the mark.

\* Screen displays are simulated.  
\* Simulated effects are used to illustrate some functions.

The computer environment must also satisfy the operating requirements of the OS. 6 Must be installed with the above OS at delivery. Proper operation cannot be guaranteed with an upgraded OS environment. 7 64-bit and Starter Editions are not supported. Windows Image Mastering API (IMAP) Ver. 2.0 or later is required for disc burning function.