

Tekniset avaintiedot

General	Camera type	Interchangeable lens digital camera with built-in flash
	Lens compatibility	Sony E-mount lenses
Image sensor	Type	APS-C type (23.5 x 15.6mm), "Exmor" APS HD CMOS sensor with primary color filters
	Number of pixels	Approx. 24.3 megapixels (effective), Approx. 24.7 megapixels (total)
	Image sensor aspect ratio	3:2
	Anti-dust system	Charge protection coating on optical filter and ultrasonic vibration mechanism
Recording system (still image)	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)
	Image size (pixels) 3:2	L: 6000 x 4000 (24M), M: 4240x2832 (12M), S: 3008 x 2000 (6M)
	Image size (pixels) 16:9	L: 6000 x 3376 (20M), M: 4240 x 2400 (10M), S: 3008 x 1688 (5.1M)
	Image size (pixels) 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 size (pixels) 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 types (15 variations): Posterization (Color, B/W), Pop Color, Retro Photo, Partial Color (R, G, B, Y), High Contrast Mono, Toy Camera, Soft High-key, Soft Focus, HDR Painting, Rich-tone Mono, Miniature
	Creative Style	Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn leaves, B/W, Sepia (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 (1.0-6.0EV, 1.0EV step)
	Color space	sRGB, Adobe RGB

Recording system (movie)	Recording format	AVCHD Ver. 2.0 (Progressive) / MP4
	Video compression	MPEG-4 AVC (H.264)
	Audio recording format	Dolby Digital (AC-3) / MPEG-4 AAC-LC
NTSC	AVCHD Ver. 2.0, average bit rate	1920 x 1080 60p: 28Mbps (PS), 60i: 24Mbps (FX), 17Mbps (FH) 24p: 24Mbps (FX), 17Mbps (FH)
	MP4 , average bit rate	1440 x 1080 (12Mbps), VGA (3Mbps)
PAL	AVCHD Ver. 2.0, average bit rate	1920 x 1080 50p: 28Mbps (PS), 50i: 24Mbps (FX), 17Mbps (FH) 25p: 24Mbps (FX), 17Mbps (FH)
	MP4 , average bit rate	1440 x 1080 12Mbps VGA 3Mbps
Media		"Memory Stick PRO Duo" , "Memory Stick PRO-HG Duo", SD memory card, SDHC memory card, SDXC memory card
Noise reduction		Long exposure NR: On/Off selectable, available of shutter speeds longer than 1 sec. High ISO NR: High/Normal/Low selectable
White balance	Modes	Auto WB, Daylight, Shade, Cloudy, Incandescent, Fluorescent, Flash, C.Tem<2500 to 9900K> , C.Filter<G7 to M7/A7 to B7> , Custom
	WB fine adjustment	G7 to M7, 15-step / A7 to B7, 15-step
Focus system	Type	Contrast-detection AF
	Focus point	25 points
	Sensitivity range	EV0 to EV20 (at ISO100 equivalent with F2.8 lens attached)
	Focus mode	Autofocus, DMF (Direct Manual Focus), Manual Focus
	AF mode	AF-S: Single-shot AF, AF-C: Continuous AF
	Focus area	Multi Point (25 points) / Center-weighted / Flexible Spot selectable
	Other features	Tracking focus , Predictive control, Eye-Start AF (with LA-EA2), Focus lock
	AF illuminator	Built-in LED, Range: Approx. 0.5m - Approx. 3.0m (E 18-55mm F3.5-5.6 OSS)
Exposure control	Metering type	1200-zone evaluative metering
	Metering sensor	"Exmor" APS HD CMOS sensor
	Metering sensitivity	EV0 to EV20 (at ISO100 equivalent with F2.8 lens attached)
	Modes	Multi-segment, Center-weighted, Spot
	Exposure modes	iAUTO, Programmed AE (P), Aperture priority (A), Shutter-speed priority (S), Manual (M), Sweep Panorama, 3D Sweep Panorama, Anti Motion Blur, Scene Selection

	Scene selection	Portrait, Landscape, Macro, Sports action, Sunset, Night portrait, Night view, Hand-held Twilight
	Exposure compensation	+/- 5EV (in 0.3EV steps)
	Bracketing	3 continuous exposures in 0.3 or 0.7 EV steps
	AE lock	AE is locked when focus is locked in multi-segment metering mode. AE lock button
	ISO sensitivity (Recommended Exposure Index)	ISO100-16000, AUTO (ISO100-1600)
Viewfinder	Type	1.3 cm (0.5 type) Electronic viewfinder
	Number of dots	2359296 dots
	XGA OLED	Yes
	Brightness control	Auto, Manual (3 steps between -1 and +1)
	Field coverage	Approx. 100%
	Magnification	Approx. 1.09x with 50mm lens at infinity, -1m^{-1}
	Diopter adjustment	-4m^{-1} - $+1.0\text{m}^{-1}$ (diopter)
	Eye point	Approximately 23mm from the eyepiece, 21mm from the eyepiece frame at -1m^{-1}
	Display Contents	Disp. Basic Info, Level, Histogram
	Real-time image-adjustment	ON/OFF
LCD Monitor	Type	7.5cm (3.0-type) wide type TFT (Xtra Fine LCD with TruBlack technology)
	Number of dots (total)	921,600 dots
	Brightness control	Auto, Manual (5 steps between -2 and +2) Sunny Weather mode
	Field coverage	Approx. 100%
	Adjustable angle	Up by approx. 90 degrees, Down by approx. 45 degrees
	Display	Graphic Display, Display All Info, Big Font Size Disp, No Disp. Info, Live View Priority, Level, Histogram, For viewfinder
	Real-time image-adjustment display	ON/OFF
	Focus check	MF assist (5.9x, 11.7x), Peaking (Level setting: High/Mid/Low/Off, Color: White/Red/Yellow)
Face detection	Modes	On/On (Regist. Faces)/Off Face registration, Face selection; Max. number of detectable faces 8
Other features		Smile shutter (selectable from 3 steps), Shooting Tips, Help guide
Digital zoom		Precision digital zoom, 1.1x-10x
Shutter	Type	Electronically-controlled, vertical-traverse, focal-plane type
	Shutter speed	1/4000 to 30 sec, bulb
	Flash sync. speed	1/160 sec.

	Electronic front shutter curtain	Yes (ON/OFF)
SteadyShot INSIDE (image stabilization)	Type	Not supported (image stabilization supported on lens)
Flash	Type	Built-in flash
	Guide No.	6 (in meters at ISO 100 equivalent)
	Flash coverage	18mm (focal-length printed on the lens body)
	Control	Pre-flash TTL
	Flash compensation	+/- 3EV in 0.3 EV steps
	Flash modes	Flash off, Autoflash, Fill-flash, Slow Sync., Rear Sync.
	Recycling time	Approx. 4 sec
	External flash	Compatible with Auto-lock Accessory shoe
	Wireless control	Supported on External flash
Drive	Drive modes	Single-shot, Continuous shooting, Speed priority continuous shooting, Self-timer (10/2 sec delay selectable), Self-timer (Cont.) (with 10 sec delay 3/5 exposures selectable), Bracketing, Remote Cdr (with separately sold remote commander RMT-DSLR1)
	Speed (max., approx.)	10fps in Speed priority continuous shooting, 3fps in standard continuous shooting *Varies depending on shooting conditions and memory cards
	No. of frame recordable (approx.)	Fine: 10 frames, Standard: 10 frames, RAW: 6 frames, RAW & JPG: 4 frames *Varies depending on shooting conditions and memory cards
Playback		Single (with or without shooting information RGB histogram & highlight/shadow warning), 6/12-frame index view, Enlarged display mode (L: 11.8x, M: 8.8x, S: 6x, Enlarged display mode (L: 16.7x, M: 11.8x, S: 8.3x, Panorama (Standard): 25.6x, Panorama (Wide): 38.8x), Auto Review (10/5/2 sec, Off) ,Image orientation (On/Off selectable), Slideshow, Panorama scrolling, Folder selection (Still), Forward/Rewind (movie), Delete, Protect
Interface	PC interface	Hi-speed USB (USB2.0): Mass-storage, MTP
	HD output	HDMI mini connector (Type-C) , BRAVIA Sync (link menu), PhotoTV HD
	Auto-lock Accessory shoe	Yes
	Compatible OS (USB connection)	Windows XP* SP3, Windows Vista** SP2 , Windows 7 SP1, Mac OS X (v10.3-v10.6) *64-bit edition and starter edition not supported. **Starter edition not supported.
Audio	Microphone	Built-in stereo microphone or ECM-SST1 (optional)

	Speaker	Built-in, monaural, Volume settings in 8 steps between 0 and 7
Print	Compatible standards	Exif Print, Print Image Matching III, DPOF setting
Custom function	Custom key settings	Available
Power	Battery	One rechargeable battery pack NP-FW50
	Still images	Viewfinder :Approx. 350 images LCD Monitor :Approx. 430 images (CIPA standard)
	Movies	Approx. 29 min., MP4 format movie for up to Approx. 2 GB.
	External power	AC Adaptor AC-PW20 (optional)
Weight	With battery and Memory Stick PRO Duo included	Approx. 350 g Approx. 12.3 oz
	Body only	Approx. 291 g Approx. 10.3 oz
Dimensions	mm (W x H x D) excluding protrusions	Approx. 119.9mm x 69.9mm x 42.6mm Approx. 4 3/4 x 2 3/4 x 1 11/16 in.
	Minimum thickness mm	Approx. 25.3mm / Approx. 1 in. (without grip and mount)
Operating Temperature	Operating temperature	32 - 104 degrees F / 0 - 40 degrees C

eco

Environmental Info

Sony Europe is constantly rethinking and re-evaluating its products, processes and potential impact on the planet.

Product: Sony is committed to ensuring its products continue to use less energy – we aim to reduce the average power consumption of our products by 30% by the end of FY2015*

Process: Our processes throughout the supply chain are as environmentally conscious as possible, from product creation to waste disposal – we aim to reduce CO2 emissions from Sony Group sites by 30% by the end of FY2015**

Planet: Sony is determined that its practices as a business should be environmentally responsible – our long term goal is to achieve a zero environmental footprint throughout the lifecycle of Sony's products and business activities

Please refer to www.sony.eu/eco for more information on Sony's environmental activities

* Compared to the level of the fiscal year ended March 31, 2009
** Compared to the level of the fiscal year ended March 31, 2001