General	Camera type	Interchangeable lens digital camera with built-in flash
	Lens compability	Sony A-mount lenses, operation with Minolta/Konica Minolta lenses confirmed
Image sensor	Type	APS-C type (23.5 x 15.6mm), "Exmor" APS HD CMOS sensor with primary color filters
	Number of pixels (effective)	Approx. 16.1 megapixels
	Number of pixels (total)	Approx. 16.7 megapixels
	Image sensor aspect ratio	03:02
	Anti-Dust system	Charge protection coating on low-pass filter and image sensor shift mechanism
	Anti-Dust operation (auto)	At power off
Recording system (still image)	Recording format	JPEG (DCF Ver. 2.0, Exif Ver. 2.3, MPF Baseline compliant), 3D still image MPO (MPF Extended stereovision compliant), RAW (Sony ARW 2.3 format), RAW & JPEG
	Image size (pixels) [3:2]	L: 4912 x 3264 (16M), M: 3568 x 2368 (8.4M), S: 2448 x 1624 (4.0M)
	Image size (pixels) [16:9]	L: 4912 x 2760 (14M), M: 3568 x 2000 (7.1M), S:2448 x 1376 (3.4M)
	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)
	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), Posterization (B/W), Pop Color, Retro Photo, Partial Color (R), Partial Color (G), Partial Color (B), Partial Color (Y), High Contrast Monochrome, Toy Camera, Soft High-key , Soft Focus, HDR Painting, Rich-tone Mono, Miniature
	Creative Style	Standard, Vivid, Portrait , Landscape, Sunset, Black & White (Contrast (-3 to +3steps), Saturation (-3 to +3steps), Sharpness (-3 to +3steps))
	Dynamic Range functions	Off, Dynamic Range Optimizer (Auto/Level(1-5)), Auto High Dynamic Range(Auto Exposure Difference, Exposure difference Level (1-6EV, 1.0EV step))
	Color space	sRGB, Adobe RGB
Recording system (movie)	Recording format	AVCHD
		MP4
	Video compression	AVCHD Ver. 2.0 compliant / MPEG-4 AVC (H.264)
	Audio recording format	Dolby Digital (AC-3) / MPEG-4 AAC-LC, 2ch
Movie recording system (AVCHD)	1920 x 1080(60p, 28M, PS)	No
	1920 x 1080(50p, 28M, PS)	Approx.28Mbps (Average bit-rate)
	1920 x 1080(60i, 24M, FX)	No
	1920 x 1080(50i, 24M, FX)	Approx.24Mbps (Average bit-rate)
	1920 x 1080(60i, 17M, FH)	No
	1920 x 1080(50i, 17M, FH)	Approx.17Mbps (Average bit-rate)
	1920 x 1080(24p, 24M, FX)	No
	1920 x 1080(25p, 24M, FX)	Approx.24Mbps (Average bit-rate)
	1920 x 1080(24p, 17M, FH)	No
	1920 x 1080(25p, 17M, FH)	Approx.17Mbps (Average bit-rate)
Movie recording system(AVC MP4)	1440 x 1080(30fps)	-
	1440 x 1080(25fps)	Approx.12Mbps (Average bit-rate)
	VGA(640 x 480, 30fps)	-
	VGA(640 x 480, 25fps)	Approx.3Mbps (Average bit-rate)
Movie recording system(MPEG4 MP4)	720 Fine (1280 x 720, 30fps)	-
	720 STD (1280 x 720, 30fps)	-
	VGA(640 x 480, 30fps)	-
Recording system	GPS	-
	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
	Multi Frame NR	Auto/ISO100 to 25600

White balance	Modes	Auto / Daylight/ Shade/ Cloudy/ Incandescent/ Fluorescent<
		Warm White/Cool White/Day White>/ Flash / Color temperature<2500 to 9900K> & color filter<G7 to M7, A7 to B7>/ Custom
	AWB micro adjustment	Yes<G7 to M7 (15 steps) , A7 to B7 (15 steps)>
	Bracketing	3 frames, H/L selectable
Focus system	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 selectable
	AF mode	Single-shot AF (AF-S), Continuous AF (AF-C), Automatic AF (AF-A) selectable
	Focus area	Wide (auto,15points)/Zone/Spot/Local selectable
	Tracking focus	Yes
	Other features	Predictive control (AF-A, AF-C)
		Focus lock
		Eye-start AF
		-
	AF illuminator	built -in, Flash type
	AF illuminator range	Approx.1m - 5m
Exposure control	Metering type	1200-zone evaluative metering
	Metering sensor	"Exmor" APS HD CMOS sensor
	Metering sensitivity	EV-2 to EV17 (at ISO100 equivalent with F1.4 lens attached)
	Modes	Multi-segment
		Center-weighted
		Spot
	Exposure modes	iAUTO
		Flash Off
		Superior 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	+/- 3.0EV (1/3EV steps)
	Bracketing	Bracket: Cont./Bracket: Single, With 1/3EV, 2/3EV increments, 3 frames
	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)	Still images: AUTO (ISO 100 - 3200)/ISO 100 - 16 000 (1 EV step),
		Movies: AUTO (ISO 100 - 3200 equivalent)/ISO 100 - 3200 equivalent (1 EV step)
Viewfinder	Type	SVGA 1.2 cm (0.46 type) electronic viewfinder (color), Xtra Fine
	Number of dots	Magnification Maximum: 1,440,000 dots , Magnification Standard: 1,253,280 dots
	Brightness control	Auto / Manual (3 steps between -1 and +1)
	Field coverage	100%
	Magnification	Maximum: Approx. 1.04x, Standard: Approx. 0.97x (with 50mm lens at infinity, -1m^{-1})
	Diopter adjustment	-4.0 to +3.0m^{-1}
	Eye point	Magnification Maximum: 23.1mm/Magnification Standard: 25.2 mm (from the eyepiece), Magnification Maximum: 18 mm/Magnification Standard: 20.1 mm (from the eyepiece frame at -1 diopter ,CIPA standard)
LCD screen	Type	7.5 cm (3.0 type) TFT drive
	Touch panel	-
	Number of dots (total)	921,6
	Brightness control	Auto
		Manual (5 steps between -2 and +2)
		-
	Adjustable angle	Tilt angle: downward 180 degrees.
		Rotation angle: leftward 270 degrees from the position in which the LCD monitor is facing forward.

	Display Contents	Graphic Display / Display All Info./ No Disp. Info. / Digital level gaug/ Histogram / Shooting information for viewfinder mode	
		-	
		-	
		-	
		-	
	Real-time image-adjustment display	ON/OFF	
	Focus Check	Focus Magnifier (4.8x, 9.5x)	
	Peaking MF	Yes (Level setting: High/Mid/Low/Off, Color: White/Red/Yellow)	
LCD panel	Top panel	-	
Face detection	Modes	On/On (Regist. Faces)/Off	
	Face registeration	Yes	
	Face selection	Yes	
	Max. number of detectable faces	8	
Auto Portrait Framing	Still images	Yes	
Other features	Smile Shutter	Yes (selectable from 3 steps)	
		-	
	Shooting Tips	-	
	Help guide	Yes	
Clear Image Zoom	Still images	approx.2x	
Digital zoom	Smart zoom (Still images)	M: approx.1.4x, S: approx.2x	
	Digital zoom (Still images)	approx.4x	
	Digital zoom (Movie)	approx.4x	
Shutter	Type	Electronically-controlled, vertical-traverse, focal-plane type	
	Shutter speed	Still images: 1/4000 to 30 sec/Bulb, Movies: 1/4000 to 1/4 (1/3 step), up to 1/60 in AUTO mode	
	Flash sync. speed	1/160 sec.	
	Electronic Front Shutter Curtain	Yes (ON/OFF)	
SteadyShot INSIDE (image stabilization)	Type	For still images:Image Sensor-Shift mechanism, For movies:Electronic	
	Indication	-	
	Compensation effect	Equivalent to approx. 2.5 to 4.5 steps in shutter speeds *Varies according to shooting conditions and lens used	
Flash	Type	Built-in, auto pop-up	
	Guide No.	10 (in meters at ISO100)	
	Flash coverage	18mm (focal-length printed on the lens body)	
	Control	ADI	
		Pre-flash TTL	
		-	
	Flash compensation	+/- 2.0EV (1/3EV steps)	
	Flash bracketing	0.3/0.7EV steps, 3 frames	
	Flash modes	Flash off	
		Autoflash	
		Fill-flash	
		Slow Sync.	
		Red-eye reduction (on/off selectable)	
		Rear Sync.	
		Wireless *1	
		Hi-speed sync. *1	
		-	
	Recycling time	Approx. 3 sec	
	External flash	Sony α System Flash compatible with Auto-lock Accessory Shoe	
Drive	Drive modes	Single Shooting	
		Continuous shooting (Hi/Lo selectable)	
		Self-timer (10/2 sec delay selectable)	
		Bracket: Cont.	
		Bracket: Single	
		White Balance bracket	
		-	
		Remote Control (with optional RM-DSLR1)	
	Speed (approx., max.) *2	Continuous Advance Priority AE: Maximum 10 frames per second	
		Tele-zoom Continuous Advance Prioirty AE: 12fps	
		Continuous shooting Hi: Maximum 8 frames per second	
		Continuous shooting Lo: Maximum 3 frames per second	
	No. of frame recordable* (approx.) *2 *3	[Tele-zoom Continuous Advance priority AE] Fine: 23 images/Standard: 25 images, [Continuous Advance Priority AE] Fine: 23 images/Standard: 27 images/RAW & JPEG: 18 images/RAW: 21 images,	

		[Continuous shooting] Fine: 25 images/Standard: 29 images/RAW & JPEG: 19 images/RAW: 21 images
Playback	Modes	Single (with or without shooting information), RGB histogram & highlight/shadow warning, 4/9-frame index view, Enlarged display mode (Maximum magnification L: 13.6x, M: 9.9x, S:6.8x), 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)
	Sync. Terminal	-
	HD output	HDMI mini connector (Type-C)
		BRAVIA Sync (link menu)
		PhotoTV HD
	Auto-lock Accessory Shoe	Yes
	Smart Accessory Terminal	-
	Smart Accessory Terminal 2	-
	Mic Terminal	Yes (3.5 mm Stereo minijack)
	DC IN Terminal	Yes
	Wired	Yes
	Compatible OS (USB connection)	Windows XP *4_SP3
		Windows Vista *5_SP2
		Windows 7 SP1
		Mac OS X (v10.3-v10.6)
		-
Audio	Microphone	Built-in stereo microphone or ECM-ALST1 / ECM-CG50 (sold separately)
	Speaker	Built-in, monaural, Volume settings in 8 steps between 0 and 7
Print	Compatible standards	Exif Prin, Print Image Matching III, DPOF setting
Power	Battery	One rechargeable battery pack NP-FM500H
	Still images	approx.550 shots (Viewfinder) / approx.590 shots (LCD monitor) (CIPA measurement)
	Movies	Approx. 180 min with viewfinder, approx. 180 min with LCD monitor *6
	External power	AC Adaptor AC-PW10AM (sold separately)
Weight	With battery and Memory Stick PRO Duo included	Approx. 618 g
	oz. With battery and Memory Stick PRO Duo included	Approx. 1 lb 5.7 oz
	Body only	Approx. 539 g
	oz Body only	Approx.1 lb 2.9 oz
Dimensions	mm (WxHxD) excluding protrusions	Approx. 132.1 mm × 97.5 mm × 80.7 mm
	inch (WxHxD) excluding protrusions	approx. 5 1/4 inches × 3 7/8 inches × 3 1/4 inches
Supplied Accessory	SEL1855(Black)	-
	SAL1650	-
	SAL55200	-
	SAL1870	-
	SAL18200	-
	SAL18250	-
	SEL16F28	-
	SEL1855	-
	SEL18200	-
	Lens hood	-
	Lens cap	-
	Lens rear cap	-
	Flash	-
	Case for flash	-
	Flash Extender FA-EX1S	-
	Case for extender	-
	Power cord	Yes
	Rechargeable Battery NP-FW50	-
	Rechargeable Battery NP-FM500H	Yes

	Battery Charger BC-VW1	-
	Battery Charger BC-VW10A	Yes
	Shoulder strap	Yes
	Media	-
	Cleaning Cloth	-
	Lens Cleaning Cloth	-
	Remote Commander RMT-DSLR1	-
	Body cap	Yes
	Accessory shoe cap	-
	Eyepiece cup	Yes
	Video cable	-
	USB cable	Yes
	CD-ROM	Yes

*1   With compatible external flash

*2   Varies according to shooting conditions or memory card used

*3   Continuous drive (Hi) in Drive mode

*4   64-bit and Starter Editions are not supported.

*5   Starter Edition is not supported.

*6   An AVCHD format movie recordable for up to 29 minutes, and an MP4 format movie for up to 29 minutes or 2 GB.