

Key technical specifications

Camera	Camera Type	Interchangeable Lens Digital HD Video Camera Recorder
	Lens Compatibility	Sony E-Mount lens
	Lens MountType	E-Mount
Imaging Sensor	Imaging Sensor	Exmor APS HD CMOS sensor(23.5 x 15.6mm)
	Processor	BIONS image processor
	Anti Dust	Charge protection coating on Filter and electromagnetic vibration mechanism
	Pixel Gross	Approx. 16.7 megapixels
	Effective Picture Resolution	Approx. 16.1 megapixels(3:2 Still)/Approx. 13.6 megapixels(16.9 movie)
	Colour Filter System	RGB Primary colour filters
	Focal Length Conversion Factor	1.5 x
Recording	Media Type	Memory Stick PRO Duo™ (Mark 2) Memory Stick PRO-HG Duo™ SD/SDHC/SDXC Memory Card(Class 4 or Higher)
	Still Image File Format	DCF Ver.2.0 compatible, Exif Ver.2.3 compatible, MPF Baseline compatible
	Still Image Mode	JPEG/JPEG+RAW/RAW
	Still Image Max Effective	16.0 megapixels
	Still Image Size(Photo Mode)	16.0 megapixels 3:2 (4912 x 3264) 13.6 megapixels 16:9 (4912 x 2760) 8.4 megapixels 3:2 (3568 x 2368) 7.1 megapixels 16:9 (3568 x 2000) 4.0 megapixels 3:2 (2448 x 1624) 3.4 megapixels 16:9 (2448 x 1376)
	Video Format	HD:MPEG4-AVC/H.264 AVCHD™ ver.2.0 format compatible STD:MPEG2-PS
	Video Mode(Resolution)	HD:1920x1080/50p, 25p, 50i(FX,FH), 1440x1080/50i (HQ,LP) STD:720x576/50i
	Movie Recording Rate(Average Bit Rate/VBR)	HD PS:Approx.28Mbps/FX:Approx.24Mbps/FH:Approx.17Mbps /HQ:Approx.9Mbps/LP:Approx.5Mbps STD HQ:9Mbps
	Video Signal	HD:HDTV 1080/50p, 25p, 50i STD:PAL colour, CCIR standards
	Progressive Mode	HD:50p/25p, Progressive recording
	Photo Capture from Movie	2.1 megapixels 16:9 (1920x1080) 307K pixels 4:3 (640x480) 230K pixels 16:9 (640x360)
	Audio Format	Dolby® Digital 5.1ch, Dolby® Digital 5.1Creator Dolby® Digital 2ch stereo
	Microphone/Speaker	Built-in Microphone Monoral Speaker
	Wind Position	Yes(Auto)
	Wind Noise Reduction	Yes(Off/On)
	Mic Level Control	Yes(31steps)

	Play List Edit	-
Viewfinder	Type	Swivel EVF 0.43 Xtra Fine 1152k dots equivalent w/ Brightness control
	Diopter Adjustment	Yes
	Field of View	100%
LCD Display	LCD Type	3.0 Xtra Fine LCD™ 270 degree swivel display w/ TruBlack™ technology
	Touch Panel	Yes
	Angle Adjustment	Opening Angle:max.90 deg., Turning Angle:max.270 deg.
	Brightness Control	Yes(Menu)
	Coverage	100%
	Live View	Yes
	Real time image-adjustment display	Exposure Compensation, WB
	Histogram	Yes
	Grid Display	Yes(Off/On)
Focus Control	Focus System	Contrast AF
	Focus Points	25 points
	AF Modes	Single-shot AF, Continuous AF, Direct Manual Focus, Manual Focus
	Direct Manual Focus	Yes
	Focus Area	MultiPointAF(25 points)
	Manual Focus Assist	Magnified display for precise manual focus Peaking Display
	Focus Sensitivity	0 EV to 20 EV (at ISO100 conversion with F2.8 lens)
	Focus Features	Tracking Focus
Exposure System	Metering Modes	Multi-segment, touch spot
	Metering	63 Segment metering from CMOS image sensor
	Metering Sensitivity	0EV-20EV (at ISO100 conversion with F2.8 lens)
	Exposure Compensation	AE Shift(Dial/Touch Panel)
	Exposure Settings	Auto Flexible Spot(Touch Panel) Manual(Dial)
	D-RangeOptimizer	Yes
	ISO	Still Mode Only: Auto,Manual(100 to 25600)
	Backlight Compensation	Yes(Auto)
	Noise Reduction	Yes
	Creative Style	-
	White Balance Mode	Auto/Onepush/Outdoor/Indoor
	WB Shift	Yes
	Colour temperature	-
	Minimum Illumination	9 lux(1/50 Shutter Speed F3.5)
Manual Exposure Assist	Zebra Pattern Display	
Drive System	Drive Mode	Photo Mode:Single-shot/Continuous/Bracket 0.3EV/Bracket 0.7EV
	Shutter Type	Electronically-controlled, vertical-traverse, focal-plane type

	Continuous Shooting Speed	6fps
	Self-timer	Approx.10sec.(Still Image)
	ShutterSpeedAutoControl Range	1/50-1/4000 (movie) , 30s-1/4000 (Still)
	Shutter Speed(Manual Shutter)	1/4-1/8000 (movie) , 30s-1/4000 (Still)
Convenience Features	Built-in USB Cable	-
	Quick On	Yes
	Manual/Auto Lens Cover	Manual
	S/S & Zoom button on LCD	Yes(Touch Panel , S/S Only)
	Red Eye Reduction	Yes(On/Off)
	Digital Picture Effects/Picture Effects	-/-
	Date/Time Stamp	Yes(Rec Date and Time, Camera info)
	Erase/Protect	Yes/Yes
	Media/Battery Indicator	Yes(recordable time, free and used media space)/Yes(recordable time, remaining capacity)
	On Screen Main Indicators	Zoom Position Flash Status Recording/Playback/Editing Media Recording Status Recording Mode Recording Image Quality(HD/STD) Photo Size AE Parameters Histogram
	Multiple Language Display	English, Simplified English, Traditional Chinese, Simplified Chinese, French, Italian, Italian, Spanish, Dutch, Russian, Portuguese, Greek, Thai, Polish, Czech, Hungarian, Roma
	Menu Customization	-
	Power Save Mode	Auto Shut-off(5minutes)
	Still Image Playback Options	Slide Show
	Remote Control	Yes
	Self Recording	Yes
	One Touch Disc Burn	Yes(Menu)
	Colour Slow Shutter	-
Easy Handycam/Help Function	-/-	
Advanced Features	Audio Level Display	Yes
	Anti Motion Blur	-
	AutoHighDynamicRange	-
	Pre-installed "PMB Portable"	-
	Cinematone	Yes
	S-Master	-
	Assignable Dial	Yes(Exposure/Gain(ISO)/Iris/Shutter Speed/AE Shift/WB Shift Set)
	Embedded GPS	-
	Face Detection	Yes

	Priority Setting(for Face Detection)	Auto/Child Priority/Adult Priority
	Smile Shutter	-
	Golf Shot	-
	Smooth Slow Rec	-
	Intelligent Auto	-
	View&Index	Event
	NightShot® infrared System	-
	x.v.Color™	Yes
	Shockproof	-
Flash	Flash Type	Auto Lock accessory Shoe
	Flash Metering System	Pre-flash TTL
	Flash Modes	Auto/Forced/Slow Sync./Rear Sync./Prohibited
	Flash Compensation	Yes(+/-2EV , 1/3EV Step)
	HD Output	HDMI Out(mini)(sold separately)
		Component Video Out(Component A/V cable(supplied))
	3D HD Output	-
	USB Port(s)	mini-AB/USB2.0 Hi-speed (mass-storage/MTP)
	BRAVIA® Sync™	Yes
	PhotoTV HD	Yes
	DVDirect	Yes(DVD Writer supported(sold separately))
	Headphone Jack	Stereo Minijack
	Microphone Input	Stereo Minijack
	Direct Copy	Yes
	Accessory Shoe	Yes(Auto Lock accessory Shoe)
	Docking Station	-
	PictBridge Compatible	-
	DC IN	Yes
	Remote Terminal	integrated into A/V Remote terminal
HDMI Terminal	Yes(mini)	
A/V Remote Terminal	Video/S Video/Audio/Component Out/Remote	
Weights and Measurements	Dimensions(Approx.)(Wx HxD including supplied battery)	Approx. 91mm x 130mm x 223mm
		Approx. 3 5/8in x 5 1/8in x 8 3/4in
	Weight(Approx) (Main unit only)	645g
		1lb 6oz
	Weight(Approx.) (Total)	Approx.1290kg(NP-FV70)(supplied battery)(with SEL18200 LENS)
		Approx.2lb 13oz(NP-FV70)(supplied battery)(with SEL18200 LENS)
		Approx.1390g(NP-FV100)(with SEL18200 LENS)
Approx.3lb (NP-FV100)(with SEL18200 LENS)		
Power	Battery Type	InfoLITHIUM® with AccuPower™ Meter System (V Series) NP-FV70/FV100
	Charge on camcorder(Charging time with supplied Battery)	Yes(Approx. 3h 15min)
	Power Consumption (in View Finder Operation)	HD:4.0W(with SEL 18200 Lens)
		STD:3.8W(with SEL 18200 Lens)
	Power Consumption (in LCD Operation)	HD:4.4W(with SEL 18200 Lens)
STD:4.2W(with SEL 18200 Lens)		

	Power Requirements	7.2V (battery pack); 8.4V (AC Adaptor)
In the Box	Supplied Accessory	Rechargeable Battery Pack(NP-FV70) (1) AC Adaptor (1) Power Cord (1) Component A/V Cable (1) A/V Connecting Cable (1) USB Cable (1) Body cap (1) Battery cover (1) Wind screen (1) Lager eye cup (1) CD-ROM("Handycam" Application Software) (1) Remote Commander(RMT-835 with Battery(CR2025)) (1) "Operating Guide"(1) warranty card (1)
Camera(details)	Auto Non Flicker	Yes
	Gain Control	Auto/manual(0dB-30dB)
	Auto Control	Exposure,Colour,Focus
	Face Touch	Yes
	Smile Sensitivity	-
Convenience Features(details)	TV Connect Guide	-
	Image Management File Repair	Yes
	Fast Playback	About 5 times/10 times/30 times/60 times
	Slow Playback	Forwad:1/5 speed, Reverse:1/2 speed
	Date&Time, Summer Time, Area Set	Yes
	Auto Date&Time, Area Adjustment by GPS	-
	Quick Format(Initialize)	Memory Card

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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