

# SIGMA fp L - Specifications

PRODUCT SPECIFICATIONS		SIGMA fp L		SIGMA fp			
Format	Type	Interchangeable-lens Mirrorless Type Digital Camera					
	Memory Media	SD, SDHC, SDXC memory card (UHS-II supported), Portable SSD (USB 3.0 connection, USB bus power supported)					
	Lens Mount	L-Mount					
Image Sensor	Type	35mm full-frame (36.0 mm x 24.0 mm) Back-illuminated Bayer CMOS sensor		35mm full-frame (35.9 mm x 23.9 mm) Back-illuminated Bayer CMOS sensor			
	Camera Effective Pixels / Total Pixels	Approx. 61 MP / Approx. 62.4 MP		Approx. 24.6 MP / Approx. 25.3 MP			
	Aspect Ratio	3:2					
	Color Filter System	RGB Primary color filter					
	Still Image File Format	Lossless compression RAW(DNG) data 12 bit, 14 bit / JPEG(Exif2.3), RAW(DNG)+JPEG recording is possible					
	Image Aspect Ratio	[21:9] / [16:9] / [3:2] / [A Size (√2:1)] / [4:3] / [7:6] / [1:1]					
File Size	RAW		9.5K	9,520 x 6,328	HIGH	6,000 x 4,000 (3,840 x 2,560) *() In DC Crop Mode	
			6.2K	6,240 x 4,144	LOW	3,008 x 2,000 (1,920 x 1,280)	
			4.8K	4,768 x 3,168			
			UHD	3,840 x 2,552			
			FHD	1,920 x 1,280			
	JPEG	[21:9]		9.5K	9,520 x 4,080	HIGH	6,000 x 2,576 (3,840 x 1,648)
				6.2K	6,240 x 2,672	MED	4,240 x 1,824 (2,736 x 1,168)
				4.8K	4,768 x 2,040	LOW	3,008 x 1,288 (1,920 x 824)
				UHD	3,840 x 1,648		
				FHD	1,920 x 824		
		[16:9]		9.5K	9,520 x 5,352	HIGH	6,000 x 3,376 (3,840 x 2,160)
				6.2K	6,240 x 3,512	MED	4,240 x 2,392 (2,736 x 1,536)
				4.8K	4,768 x 2,680	LOW	3,008 x 1,688 (1,920 x 1,080)
				UHD	3,840 x 2,160		
				FHD	1,920 x 1,080		
		[3:2]		9.5K	9,520 x 6,328	HIGH	6,000 x 4,000 (3,840 x 2,560)
				6.2K	6,240 x 4,144	MED	4,240 x 2,832 (2,736 x 1,824)
				4.8K	4,768 x 3,168	LOW	3,008 x 2,000 (1,920 x 1,280)
				UHD	3,840 x 2,552		
				FHD	1,920 x 1,280		
		[A Size (√2:1)]		9.5K	8,944 x 6,328	HIGH	5,664 x 4,000 (3,616 x 2,560)
				6.2K	5,856 x 4,144	MED	4,000 x 2,832 (2,560 x 1,824)
				4.8K	4,480 x 3,168	LOW	2,832 x 2,000 (1,808 x 1,280)

			UHD	3,616 x 2,552		
			FHD	1,808 x 1,280		
		[4:3]	9.5K	8,432 x 6,328	HIGH	5,344 x 4,000 (3,408 x 2,560)
			6.2K	5,520 x 4,144	MED	3,776 x 2,832 (2,416 x 1,824)
			4.8K	4,224 x 3,168	LOW	2,672 x 2,000 (1,712 x 1,280)
			UHD	3,408 x 2,552		
			FHD	1,696 x 1,280		
			[7:6]	9.5K	7,856 x 6,328	HIGH
		6.2K		5,152 x 4,144	MED	3,520 x 2,832 (2,272 x 1,824)
		4.8K		3,920 x 3,168	LOW	2,480 x 2,000 (1,584 x 1,280)
		UHD		3,168 x 2,552		
		FHD		1,584 x 1,280		
		[1:1]		9.5K	6,328 x 6,328	HIGH
			6.2K	4,144 x 4,144	MED	2,832 x 2,832 (1,824 x 1,824)
			4.8K	3,168 x 3,168	LOW	2,000 x 2,000 (1,280 x 1,280)
			UHD	2,552 x 2,552		
			FHD	1,280 x 1,280		
					* When a DC lens is attached, it can be used with a recording pixel count of 6.2K or less.	
		<b>Crop</b>		Equivalent to approx. 1.5 to 5 times the focal length of the lens (for 35mm cameras)		Equivalent to approx. 1.5 times the focal length of the lens (for 35mm cameras)
		<b>Color Space</b>		sRGB, Adobe RGB		
<b>Movie Recording Format</b>	Camera Internal Record	Movie Format	CinemaDNG (8 bit, 10 bit, 12 bit)/ MOV:H.264 (ALL-I, GOP)			
		Audio Format	Linear PCM (2 ch 48 kHz / 16 bit)			
		Record Format / Frame rate	3,840 x 2,160 (UHD 4K) / 23.98p, 24p, 25p, 29.97p 1,920 x 1,080 (FHD) / 23.98p, 24p, 25p, 29.97p, 48p, 50p, 59.94p, 100p*, 119.88p* * Automatic crop zoom setting is x1.67	3,840 x 2,160 (UHD 4K) / 23.98p, 24p, 25p, 29.97p 1,920 x 1,080 (FHD) / 23.98p, 24p, 25p, 29.97p, 48p, 50p, 59.94p, 100p, 119.88p		
		Continuous Shooting Enable Time	Up to 2 hours			
		Cinema DNG Memory Media Limitation	SD Card (UHS-II) : UHD 8 bit 25p or less, FHD 12 bit 59.94p or less Portable SSD : UHD 12 bit 29.97p or less, FHD 12 bit 100p or less, FHD 8 bit 119.88p or less			
	HDMI External Output	Movie Format	4:2:2 8 bit 12 bit RAW : External recorder record : ATOMOS Ninja V, Blackmagic Video Assist 12G supported			
		Audio Format	Linear PCM (2 ch 48 kHz/16 bit)			
		Record Format / Frame Rate	4,096 x 2,160 (DCI 4K) / 24p * Only for RAW output 3,840 x 2,160 (UHD 4K) / 23.98p, 24p, 25p, 29.97p 1,920 x 1,080 (FHD) / 23.98p, 24p, 25p, 29.97p, 48p, 50p, 59.94p, 100p*, 119.88p* * Automatic crop zoom setting is x1.67	4,096 x 2,160 (DCI 4K) / 24p * Only for RAW output 3,840 x 2,160 (UHD 4K) / 23.98p, 24p, 25p, 29.97p 1,920 x 1,080 (FHD) / 23.98p, 24p, 25p, 29.97p, 48p, 50p, 59.94p, 100p, 119.88p		
<b>Focus</b>	AF System / Focus Mode	Image plane phase-difference AF + Contrast detection system, Single AF, Continuous AF (with moving object prediction function), Manual Focus		Contrast detection system, Single AF, Continuous AF (with moving object prediction function), Manual Focus		
	AF Sensitivity Range / AF Mode	-5 to 18 EV (F1.4:ISO 100) / Auto, 49-point selection mode, Free Move mode, Face/Eye Detection AF mode, Tracking AF mode				

	AF Lock		Half-press the shutter button, or press the AEL button (setting change required)		
	Other Focus Functions		AF+MF, MF Assist, MF Guide, Focus Peaking, Release Focus Function, AF-ON, Quick AF, Pre-AF, AF during Image Magnification		
Exposure Control	Metering System		Evaluative, Spot, Center Weighted Average		
	Metering Range		-5 to 18 EV (50 mm F1.4:ISO 100)	-5 to 18 EV (50 mm F1.4:ISO 100)	
	Still Image Shooting Mode		(P) Program AE (Program Shift capable), (S) Shutter Speed Priority AE, (A) Aperture Priority AE, (M) Manual		
	Movie Shooting Mode		(P) Program AE, (S) Shutter Angle Priority AE, (A) Aperture Priority AE, (M) Manual		
	ISO Sensitivity (Recommended exposure value)	Base ISO		[Still] ISO 100,400 [Cine] CinemaDNG 12 bit / HDMI RAW:ISO 100, 1250 MOV / CinemaDNG 10 bit, 8 bit, HDMI 4:2:2 8 bit:ISO 100, 250	[Still] ISO 100,640 [Cine] CinemaDNG 12 bit / HDMI RAW:ISO 100, 3200 MOV / CinemaDNG 10 bit, 8 bit, HDMI 4:2:2 8 bit:ISO 100, 640
		Settable Range		ISO 100-25600 / Expanded sensitivity ISO 6, 12, 25, 50, 51200, 102400	
	Exposure Compensation			±5 EV (in 1/3 stop increments) : ±3 EV at movie recording	
	AE Lock			Half-press the shutter button, or press the AEL button (setting change required)	
	Exposure Bracket			3 shots / 5 shots stage exposure 3EV (1/3 Step, Standard→Underexposure→Overexposure) (Sequence changeable)	
	Image Stabilization System			Electronic system * Applicable only when shooting movies with MOV 59.94 p or less	Electronic system
White Balance			12 types ( Auto, Auto[Lighting Source Priority], Daylight, Shade, Overcast, Incandescent, Fluorescent, Flash, Color Temperature[50K steps], Custom 1, Custom 2, Custom 3 )		
Shutter	Shutter Type		Electronic shutter		
	Shutter Speed		30 to 1/8,000 sec., Bulb up to 300 sec.	30 to 1/8,000 sec., Bulb up to 300 sec. * Up to 1/4,000 sec. when using electronic image stabilization	
	Self Timer		2 sec. / 10 sec.		
Drive	Drive Modes		Single Capture, Continuous, Self Timer (2sec. / 10sec.), Interval Timer		
	Continuous Drive Speed		High Speed:approx. 10 shots/ sec., Medium Speed:approx. 5 shots/ sec., Low Speed:approx. 3 shots/ sec.	High Speed:approx. 18 shots/ sec, Medium Speed:approx. 5 shots/ sec, Low Speed:approx. 3 shots/ sec.	
	Number of Recordable Frames		DNG+J (14 bit) / 9.5K:12 frames, 6.2K:12 frames, 4.8K or less:12 framesDNG+J (12 bit) , DNG (14 bit/12 bit) / 9.5K:12 frames, 6.2K:28 frames, 4.8K or less:50 framesJPEG / 9.5K:14 frames, 6.2K:35 frames, 4.8K or less:57 frames	HIGH: 12 frames, MED: 12 frames, LOW: 24 frames	
Monitor	Type / Coverage		TFT color LCD, Aspect Ratio 3:2, 3.15 type, Approx. 2.1M dots , Electrostatic capacitance system touch panel / Approx. 100%		
Flash (when to use external flash)	Built-in Flash		-		
	Flash Mode		S-TTL automatic light control, Manual, Wireless flash, Multi-emission		
	Optional Functions		Red-eye Reduction / Slow Synchronization, Rear Curtain Synchronization		
	Flash Exposure Compensation		Max. ±3 EV in 1/3EV step increments		
	Flash Sync. Speed		Max. 1/15 sec. * 1/10 sec. or less at 14 bit RAW	Max. 1/30 sec. * 1/15 sec. or less at 14 bit RAW	
	External Flash Support		Available when the HOT SHOE UNIT HU-11 (supplied with this product) is mounted. * S-TTL, Wireless support, X-sync.		
Color Mode			15 types (Standard, Vivid, Neutral, Portrait, Landscape, Cinema, Teal and Orange, Sunset Red, Forest Green, Powder Blue, FOV Classic Blue, FOV Classic Yellow, Duotone, Monochrome, Off )		
Director's Viewfinder	Supported cameras	ARRI	ARRICAM / ARRIFLEX, ALEXA LF/ ALEXA Mini LF, ALEXA SXT, ALEXA Mini, AMIRA, ALEXA65, ALEXA XT		
		SONY	VENICE		
		RED	MONSTRO 8K, HELIUM 8K, DRAGON 6K, EPIC MX 5K, GEMINI 5K, KOMODO 6K		
	Frame Guide		1.33:1, 1.85:1, 2.39:1, Custom 1, Custom 2		

	Custom Frame	Input (Sensor Area / Aspect Ratio) , Offset, Style (4 styles) , Line (1 to 10 px) , Color (White, Black, Red, Yellow, Green, Cyan, Blue, Magenta) , Shading	
<b>Other Functions</b>		Save / Load Settings via QR code, Screenshot, Webcam, In-camera RAW development, Still image capture from recorded movie files, Cinemagraph, Fill Light, HDR shooting (Still / Cine) , Still image shooting during movie shooting	
<b>Built-in Microphone / Speaker</b>		Stereo microphone, Monaural speaker	
<b>Display Language</b>		English / Japanese / German / French / Spanish / Italian / Simplified Chinese / Traditional Chinese / Korean / Russian / Dutch / Polish / Portuguese / Danish / Swedish / Norwegian / Finnish	
<b>Interface</b>	USB Terminal	USB3.1 GEN1 Type-C (supports Mass Storage, Video Class(UVC), Camera Control)	
	HDMI Terminal	Type D(Ver.1.4)	
	Remote	Also used as an external microphone terminal	
	Timecode Input	Also used as an external microphone terminal	
	External Microphone Terminal	Ø3.5 mm stereo mini jack (Plug-in power support)	
	Headphone Output Terminal	Ø3.5 mm stereo mini jack (can be connected when using the dedicated ELECTRONIC VIEWFINDER EVF-11)	
	Flash-synchro Terminal	Dedicated terminal (with HOT SHOE UNIT HU-11 (supplied with this product) mounted)	
<b>Dust and Splash Proof Structure</b>		Provided	
<b>Power</b>	Power	Li-ion Battery Pack BP-51 *Internal battery charge via USB terminal available. *USB power supply available.	Li-ion Battery Pack BP-51 *Internal battery charge via USB terminal available. (the camera can not be used while charging)
	Number of Recordable Still Images	Approx. 240 images	Approx. 280 images
	Minutes of Recordable Continuous Shooting	Approx. 60 min.	Approx. 70 min.
<b>Dimensions and Weight</b>	Dimensions (W x H x D)	112.6 x 69.9 x 45.3 mm / 4.4 x 2.8 x 1.8 in.	
	Weight	427 g / 15.1 oz. (including battery and SD card), 375 g / 13.2 oz. (Camera body only)	422 g / 14.9 oz. (including battery and SD card), 370 g / 13.0 oz. (Camera body only)
<b>Operating Environment</b>	Operating Temperature	32 - 104 °F / 0 - +40 °C	
	Operating Humidity	85 % or less (non-condensing)	
<b>Supplied Accessories</b>	Li-ion Battery Pack BP-51	Li-ion Battery Pack BP-51	
	Strap	Strap	
	STRAP HOLDER SH-11	STRAP HOLDER SH-11	
	USB AC ADAPTER UAC-21	USB AC ADAPTER UAC-11	
	USB CABLE (C-C) SUC-41	USB CABLE (A-C) SUC-11	
	HOT SHOE UNIT HU-11	HOT SHOE UNIT HU-11	
	Body Cap	Body Cap	
	Instruction Manual	Instruction Manual	
	Limited Warranty	Limited Warranty	
	Warranty Sticker	Warranty Sticker	
<b>Optional Accessories</b>	HAND GRIP HG-11		
	LARGE HAND GRIP HG-21		
	LCD VIEWFINDER LVF-11		
	ELECTRONIC VIEWFINDER EVF-11		
	BASE PLATE BPL-11		
	CABLE RELEASE CR-41		
	BASE GRIP BG-11		
	DC CONNECTOR CN-21		
	BATTERY CHARGER BC-71		
	AC ADAPTER SAC-7P		
STRAP HOLDER SH-11 (2pcs)			