

SIGMA announces the “SIGMA fp”, the world's smallest and lightest mirrorless digital camera* with a full-frame image sensor

SIGMA Corporation is pleased to announce the launch of “SIGMA fp,” the world's smallest and lightest full-frame mirrorless digital camera*. The SIGMA fp incorporates a 35mm full-frame Bayer sensor with 24.6 effective megapixels in a compact body, and boasts great versatility and scalability that allows mixing-and-matching of a variety of interchangeable lenses and accessories. It is a camera that is casual enough to take anywhere, anytime, and high-spec enough for serious still and cine shooting in the highest image quality, all in a robust and classy body.

Regardless of the differences in shooting scenes and styles or genre boundaries between stills and videos, this new camera is set to expand the freedom and possibilities in image shooting and art creation further than ever before. A “pocketable full-frame” camera: SIGMA fp, is now available.

*As of July, 2019.



SIGMA's take on an entirely new system camera.

The world's smallest and lightest “pocketable full-frame” camera is here.

The environment that surrounds shooting and art creation is undergoing radical changes. In this day and age when one user may have both a high-performance interchangeable lens camera and a smartphone camera, using them flexibly according to specific purposes and settings, SIGMA stopped and questioned the inherent value of a digital camera.

As a result, SIGMA set itself to develop a user-oriented digital camera that reflected the idea of “how a camera can be” in a more flexible and true-to-life manner, without conforming to manufacturers' ideas of camera-centric categories and hierarchy.

#sigmafz #sigma

[Development concept]

Pocketable full-frame | Impressive portability and power

The “smallest and lightest body possible” with which one can express their creative ideas whenever they want, combined with a “full-frame sensor” that is suitable for serious occasions without compromising on image quality, and “superb build quality” that makes the camera the perfect linchpin of a high-performance lens system.

Scalable | Versatile scalability

An “open and liberal system” that allows one to pair the camera with lenses and accessories, whether from SIGMA or other brands, using a variety of attachments, complete with “versatile scalability” that makes the camera adaptable to any scenes.

Seamless | Full-fledged, liberating shooting functions

A “highly intuitive UI” that allows one to move between full-fledged still and cine shooting modes with just one finger, making for a “seamless and truly creative tool” that goes beyond style and genre differences.

Making it a top priority to realize these three concepts all at once and without requiring any trade-offs, SIGMA selected only the elements and mechanisms that were truly needed with no compromise to create the SIGMA fp as the embodiment of an “entirely new digital camera that SIGMA can offer to the world right now.”

It's a camera body that changes its configuration with great flexibility centered around the user. It's a tool that gives the user the joy of a new camera life that they themselves are yet to discover. It's a new system camera that will overturn the paradigm of “digital cameras.” The SIGMA fp is here to broaden the potential of “image shooting” ad infinitum.

For more about concept, please refer to the link:
<https://www.sigma-global.com/en/cameras/fp-series/>



[Key features]

1. World's smallest and lightest full-frame camera

With overall dimensions of 112.6×69.9×45.3mm and body weight of 370g, without battery and card, the SIGMA fp is the world's smallest and lightest full-frame mirrorless camera*. It employs a back-illuminated 35mm full-frame Bayer sensor with 24.6 effective megapixels for high-quality images. Covered on the front and back sides with die-cast aluminum alloy for its superior robustness and thermal conductivity, the compact body of the SIGMA fp is built with a signature heat sink structure and sealing on 42 points for a dust- and splash-proof structure, making it a perfect camera to use for long hours under all types of environments. With its small body and great adaptability, the SIGMA fp enhances the joy of full-frame image quality, no matter what one's shooting settings may be.

*As of July, 2019.

2. Electronic shutter for a variety of settings

“Able to shoot whenever you want, wherever you want”—to realize this concept, the SIGMA fp incorporates a construction without a mechanical shutter for quiet shooting. This allows shooting without worrying about noise in a situation where one would have hesitated with a conventional camera because of its shutter sound. It gives no shutter shock even when shooting in quick succession at a frame rate of 18 frames/sec. eliminating even the tiniest shakes.

In addition, the absence of a mechanical shutter, whose performance level can change through continuous operation, means that the SIGMA fp is a camera with improved reliability.

3. Superior options in artistic picture & video creations

The SIGMA fp is a frontrunner in incorporating functions that help exploring the photographic and cinematic creations.

For instance, in addition to a number of different color modes, the SIGMA fp has newly introduced the “Teal and Orange” mode, inspired by the color grading technique commonly used in Hollywood films. Each mode has a slider that enables adjustment of the strength of the effects to apply, providing even greater control in one's creations.

The SIGMA fp is the first SIGMA camera to employ a tone curve adjustment function in addition to "Fill Light", a special adjustment function of SIGMA Photo Pro, and they are both available in-camera. It has also newly introduced "TONE" and "COLOR" buttons for a quick access to each of the tone control and color mode menus. With these enhanced functions and a variety of operation elements, the SIGMA fp makes it simple and easy to create an image, in-camera with great details, be it still or video.

4. Advanced picture & video generating functions

The SIGMA fp employs a number of advanced technologies for image and video generation.

The Auto HDR function takes advantage of an electronic shutter to take multiple pictures of different exposures (3 frames for still photography and 2 frames for video) at once, which can then be merged into a single picture or video with a great dynamic range that could not have been achieved in normal shooting.

The Cinemagraph function, meanwhile, achieves a hybrid between still photography and video in the form of animated GIFs in which parts of a still image keep moving. With this function, the SIGMA fp is capable of creating Cinemagraphs in-camera.

Note: The Auto HDR function in the Cine mode and the Cinemagraph function are to become available via firmware update scheduled at a later date.

5. L-Mount

The SIGMA fp uses the L-Mount*, characterized by a short flange focal length, large diameter, and superior durability. For interchangeable lenses, in addition to the wide-ranging choices of SIGMA lenses, other manufacturers' lenses can also be an option through the L-Mount Alliance with Leica Camera AG and Panasonic Corporation. With the SIGMA MOUNT CONVERTER MC-21, SIGMA SA mount and SIGMA's CANON EF mount lenses can be used, making the best out of one's lens investment.

*The L-Mount Trademark is a registered Trademark of Leica Camera AG.

6. Supports full-fledged video production

For raw video data, the SIGMA fp supports 12-bit CinemaDNG external recording. With 4K UHD/24fps recording, it produces video data that can be used even in filmmaking. It also supports ALL-I recording which is optimal for editing H.264 compressed videos.

For video output, it uses USB3.1(GEN1), which allows a smooth data transmission to an external recording unit. As it also supports cinema camera-like user interfaces, the SIGMA fp is a camera that can be taken straight to video production settings.

Note: The feature of playing CinemaDNG footages in-camera is to become available via firmware update scheduled at a later date.

7. Seamless transition between Still and Cine modes

Going from the Still mode to the Cine mode at the flip of a switch. Each mode comes with a specially designed operation system and displays, making it possible to concentrate on shooting in each mode, stress-free.

For more about other features, please refer to the link :
<https://www.sigma-global.com/en/cameras/fp-series/main-feature/>



[Dedicated accessories]



SIGMA HOT SHOE UNIT HU-11



SIGMA LCD VIEW FINDER LVF-11



SIGMA BASE PLATE BPL-11



SIGMA HAND GRIP HG-11



SIGMA LARGE HAND GRIP HG-21



SIGMA CABLE RELEASE CR-41



SIGMA ELECTRONIC FLASH EF-630



SIGMA MOUNT CONVERTER MC-21



SIGMA BASE GRIP BG-11

- SIGMA AC ADAPTER SAC-7P
- SIGMA DC CONNECTOR CN-21
- SIGMA BATTERY CHARGER BC-71
- Li-ion BATTERY BP-51

For more about other features, please refer to the link :
<https://www.sigma-global.com/en/cameras/fp-series/accessories/>



[Specification]

Product name		SIGMA fp		
Type	Type	Interchangeable-lens SLR Type Digital Camera		
	Storage 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(35.9mm×23.9mm) Back-illuminated Bayer CMOS sensor		
	Camera effective pixels/Total pixels	Approx.24.6MP(6,072×4,056)/Approx. 25.38MP (6,104×4,142)		
	Aspect ratio	3:2		
	Color filter System	RGB Primary color filter		
	Still Image File Format Image	Lossless compression RAW(DNG) data12 / 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	HIGH	6,000×4,000 (3,840×2,560) *():In DC Crop Mode	
		LOW	3,008×2,000 (1,920×1,280)	
	JPEG [21:9]	HIGH	6,000×2,576 (3,840×1,648)	
		MED	4,240×1,824 (2,736×1,168)	
		LOW	3,008×1,288 (1,920×824)	
	[16:9]	HIGH	6,000×3,376 (3,840×2,160)	
		MED	4,240×2,392 (2,736×1,536)	
		LOW	3,008×1,688 (1,920×1,080)	
	[3:2]	HIGH	6,000×4,000 (3,840×2,560)	
		MED	4,240×2,832 (2,736×1,824)	
		LOW	3,008×2,000 (1,920×1,280)	
	[A判 (√2:1)]	HIGH	5,664×4,000 (3,616×2,560)	
		MED	4,000×2,832 (2,560×1,824)	
		LOW	2,832×2,000 (1,808×1,280)	
	[4:3]	HIGH	5,344×4,000 (3,408×2,560)	
		MED	3,776×2,832 (2,416×1,824)	
		LOW	2,672×2,000 (1,712×1,280)	
	[7:6]	HIGH	4,672×4,000 (2,992×2,560)	
		MED	3,312×2,832 (2,112×1,824)	
		LOW	2,336×2,000 (1,488×1,280)	
	[1:1]	HIGH	4,000×4,000 (2,560×2,560)	
		MED	2,832×2,832 (1,824×1,824)	
		LOW	2,000×2,000 (1,280×1,280)	
	Crop	Equivalent to approx.1.5 times the focal length of the lens (on 35mm cameras)		
	Color Space	sRGB / Adobe RGB		
	Movie Recording Format	Camera Internal Record	Movie Format	CinemaDNG (8bit / 10bit / 12bit) / MOV:H.264 (ALL-I / GOP)
			Audio Format	Linear PCM (2ch 48kHz /16bit)
Recording Pixels / Frame Rate			3,840×2,160 (UHD 4K) /23.98p, 25p,29.97p, FHD(1,920x1,080) /23.98p, 25p, 29.97p, 59.94p, 100p, 119.88p	
HDMI External Output		Movie Format	HDMI Loop out "External recorder record: ATOMOS Ninja Inferno, Blackmagic Video Assist 4K supported	
		Audio Format	Linear PCM(2ch 48kHz /16bit)	
		Recording Pixels / Frame Rate	3,840×2,160 (UHD 4K) / 4:2:2 8bit 29.97p / 25p / 23.98p / 1,920x1,080 (FHD) / 4:2:2 8bit 119.88p / 100p / 59.94p / 50p / 29.97p / 25p / 23.98p	
Focus	Auto Format / Focus Mode		Contrast detection system, Single AF, Continuous AF(with moving object prediction function), Manual Focus	
	AF Measurement Distance		-5~18EV(F1.4:ISO100) / Auto, 49-points selection mode, Free Movement mode, Face / Eye Detection	
	Detection Range / AF mode		AF mode, Tracking AF mode	
	AF Lock		Half-press the shutter button, or press the AEL button.	
	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	
	Exposure Control	Metering System		Evaluative, Spot, Center Weighted Average Control
Metering Range		-5~18EV (50mm F1.4:ISO100)		
Still Image Shooting Mode		(P) Program AE (Program Shift is possible), (S) Shutter Speed Priority AE, (A) Aperture Priority AE, (M) Manual		
Movie Shooting Mode		(P) Program AE, (S) Shutter Speed Priority AE, (A) Aperture Priority AE, (M) Manual		
ISO Sensitivity (Recommended exposure value)		ISO 100-25600, Expanded sensitivity ISO6,12,25,50,51200, 102400		
Exposure Compensation		±5 EV (in 1/3 stop increments)		
AE Lock		Half-press the shutter button, or press the AEL button (setting change required).		
Exposure Bracket		3-frame/5-frame stage exposure 3EV (1/3 Step, Standard→Underexposure→Overexposure) (Sequence changeable)		
Image Stabilization System		Electronic system		
White Balance		12 types(Auto, Auto(Lighting Source Priority), Daylight, Shade, Overcast, Incandescent, Fluorescent, Color Temperature, Flash, Custom 1, Custom 2, Custom 3)		
Shutter	Shutter Type		Electronic shutter	
	Shutter Speed		30 to 1/8,000 sec., Bulb	
	Self-Timer / Remote control		2 sec./10 sec. (Self-Timer)	
Drive	Drive Modes		Single shooting, Continuous shooting, Self-timer, Interval shooting	
	Continuous shooting speed		HI: 18 fps, MED:5 fps, LO: 3 fps	
	Maximum number of shots		HIGH: 12-frame, MED: 12-frame, LOW: 24-frame	
Monitor	Type/ Coverage TFT color LCD monitor Aspect Ratio3:2, 3.15", Approx. 2,100,000 dots / Electrostatic capacitance system touch panel /Approx.100%			

Flash (when to use external flash)	Flash Light Emission Mode	S-TTL automatic light control, Manual, Wireless flash, Multi-emission
	Flash Mode	Red-eye effect reduction / Slow synchronization, 2nd Curtain synchronization
	Exposure Correction	Max. ±3EV in 1/3EV-step increments
	Flash Tuning Speed	Max. 1/30sec. *1/15 sec. or less at 14bit
	External Flash Support	Available when the Hot Shoe Unit HU-11 (supplied with this product) is mounted.(S-TTL, Wireless support, X contact)
Interval shooting		Available
Color Mode		12types(Standard, Vivid, Neutral, Portrait, Landscape, Cinema, Teal & Orange, Sunset Red, Forest Green, FOV Classic Blue, FOV Classic Yellow, Monochrome)
Other Functions	Recording Mode	STILL Mode CINE Mode
		Fill Light / Shading Correction / HDR shooting
	Playback Mode	STILL Mode CINE Mode
		Still image shooting during movie shooting / HDR shooting / Director's view finder In-camera DNG Development Cinemagraph/ Still image cut-out
Built-in Microphone, Speaker		Stereo microphone, Monaural speaker
Display Language		English/ Japanese / German/French/ Spanish/ Italian/ Simplified Chinese / Traditional Chinese/ Korean/ Russian / Dutch/ Polish/ Portuguese / Danish/ Swedish/ Norwegian/ Finnish
Interface	USB	USB3.1 GEN1 Type C
	HDMI	Type D (Ver.1.4)
	Release Terminal	Also used as an external microphone terminal.
	External Microphone	Available (Plug-in power support)
	Headphone output	Unavailable
	Flash-synchro Terminal	Dedicated terminal (with hot shoe unit HU-11 (supplied with this product) mounted)
Power	Power	Li-ion Battery BP-51 *USB power supply available (when the power is turned off)
Dimensions/Weight	Dimensions	112.6x69.9x45.3mm
	Weight	422g (including battery and SD card), 370g (Camera Body Only)
Environment	Temperature	0~+40°C
	Operating Humidity	85% or less (no condensing)
Accessories		●LI-ION Battery BP-51 ●Strap ●Strap Holder ●USB AC Adapter UAC-11 ●USB Cable(A-C)SUC-11 ●HOT SHOE UNIT HU-11 ●Body Cap ●Instruction Manual ●Warranty ●Warranty Sticker
Optional Accessories		●HAND GRIP HG-11 ●LARGE HAND GRIP HG-21 ●LCD VIEW FINDER LVF-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 ●ELECTRONIC FLASH EF-630 ●MOUNT CONVERTER MC-21

[Contact]

For further information, please contact your local authorized SIGMA subsidiary and distributor listed in the link:

<http://www.sigma-global.com/en/about/world-network/>

[Product information]

SIGMA GLOBAL VISION : <https://www.sigma-global.com/en/>