fp

Deconstruction of
digital camera

SIGMA

fp

SIGMA

fp
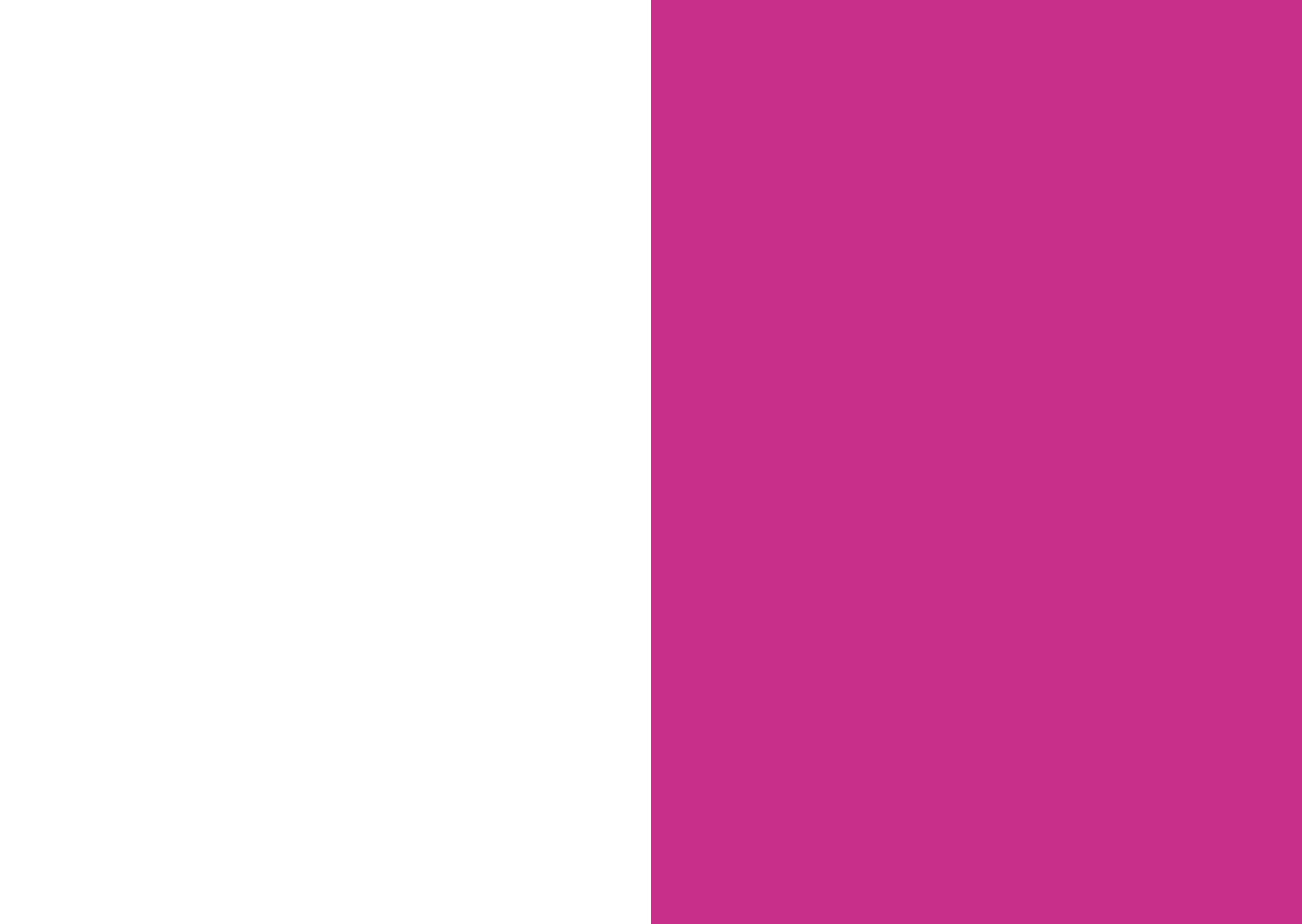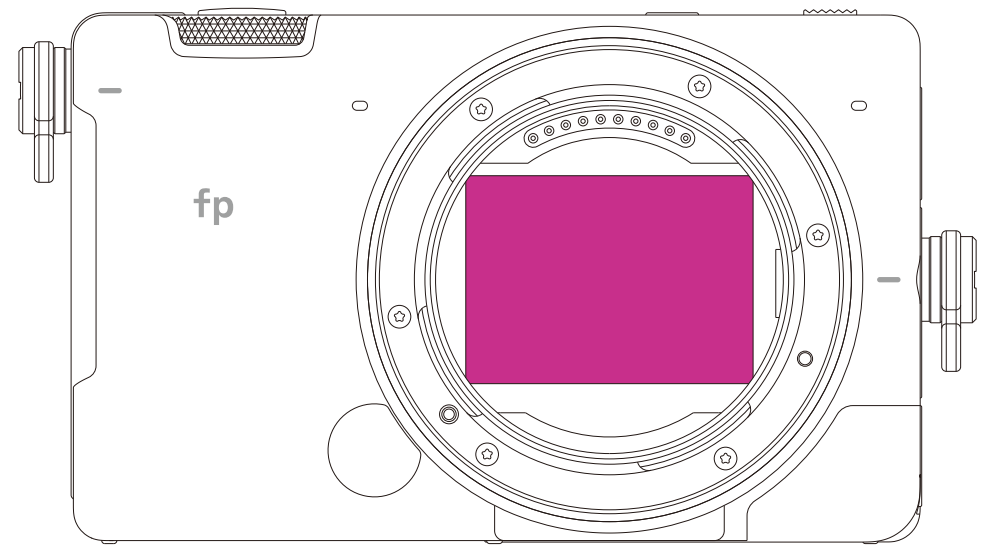
fortissimo
pianissimo

Superior performance. A wide range of lenses to choose from.

Possibilities for creating just the image one desires with the highest quality.

Full-frame interchangeable lens cameras have it all.

Extremely portable and can be taken anywhere. A sophisticated UI that is

highly intuitive to use. With the quantum improvement in image quality

achieved through advanced technology, smartphones have now

solidified their position as the go-to everyday camera.

An open system that is highly customizable from a wide range of equipment.

As the growing need for more pixels and higher resolution pushes towards

large format cameras, increasingly more cinema cameras are becoming

both more high-performance and scalable.

"Digital cameras" have thus become differentiated into different categories,

within which they are becoming more optimized and advanced. In each category,

individual models are put in order according to their respective

highly specialized purposes and grades, and from there users choose one

that suits their style and level: still or video, beginner or advanced, business or

pleasure, and so on. In a way, cameras can be a symbol that signifies one's attributes,

social class, and orientations.

But should they? That was the question we wanted to ask ourselves again.

In the real world, barriers between different genres such as videos

and stills are decreasing, while the standards for image quality

and usability are increasing for every category of camera.

Also, it is becoming more and more common for one to have

both a high-performance interchangeable lens camera

and a smartphone camera, using them flexibly, without being strictly

limited to one single purpose, for work or for fun.

Meanwhile, tools are not keeping up with the reality of "shooting"

which keeps evolving. What we need is a camera that can meet

unrecognized needs of real photographers and videographers,

namely a "digital camera capable of adapting to the one who shoots,"

in a true sense. Starting with this belief, we set ourselves to

break down the inherentvalue and challenges of the cameras as

we knew them, extrapolate only the most essential aspects,

put them under scrutiny, and build a camera from scratch.

Deconstruction of
digital camera

fp

Seamless and Scalable.

The world's smallest and lightest*
"pocketable full-frame" camera is here.

The SIGMA fp incorporates a 35mm full-frame 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 photo-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.

fp Development Concept

Pocketable Full-frame

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

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

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

1 Snap Style

45mm F2.8 DG DN | Contemporary

2 Portrait Style

35mm F1.4 DG HSM | Art／SIGMA HAND GRIP HG-11／SIGMA HOT SHOE UNIT HU-11／ELECTRONIC FLASH EF-630（for SIGMA）

3 Field Style

70-200mm F2.8 DG OS HSM | Sports ╱ SIGMA MOUNT CONVERTER MC-21 ╱ SIGMA HAND GRIP HG-11 ╱
SIGMA LCD VIEW FINDER LVF-11 ╱ SIGMA BASE PLATE BPL-11

4 Streaming Style

35mm F1.2 DG DN | Art + Products from other manufacturers

5 Cine Style

40mm T1.5 FF／SIGMA MOUNT CONVERTER MC-21／SIGMA HOT SHOE UNIT HU-11／SIGMA BASE PLATE BPL-11／
SIGMA ROD CONSOLE ADAPTER*／SIGMA DC CONNECTOR CN-21 + Products from other manufacturers   *Not for sale

6 Gimbal Style

14-24mm F2.8 DG DN | Art
+ Products from other manufacturers

7 Drone Style

45mm F2.8 DG DN | Contemporary + Products from other manufacturers

World's smallest & lightest
With overall dimensions of 112.6×69.9×45.3mm and a body weight of 370g, without battery and card, the SIGMA fp is the world's smallest and lightest* interchangeable lens camera equipped with a full-frame sensor. *As of July, 2019.

No low-pass filter
Because the SIGMA fp does not have a low-pass filter, it is able to capture images without losing the resolution of the sensor.

Aluminum body
A body covered with die-cast aluminum on the front and the back ensures superior robustness and heat dissipation while keeping the body weight light.

Dust- & splash-proof structure
The SIGMA fp is protected with the dust- and splash-proof sealing on a total of 42 points over the camera's body. When combined with a dust- and splash-proof lens, the SIGMA fp will be ready for shooting in any environments.

High-precision AF
The SIGMA fp employs high-precision contrast AF, available in three modes: Single AF, Continuous AF, and Manual Focus. There are 49 AF points to choose from, as well as Free Movement mode, and tracking AF modes.

Full-time electronic shutter
The SIGMA fp employs a full-time electronic shutter, enabling to shoot virtually without sound, and no camera shake due to shutter shock. Even when shooting in quick succession at a frame rate of 18 frames/sec., it eliminates the tiniest of shakes. In addition, as opposed to conventional mechanical shutters, it does not cause irregularities on the screen display in a high-speed shutter setting. Furthermore, the absence of a mechanical shutter makes the SIGMA fp's camera structure simpler, which in turn improves its reliability as a camera.

Low light AF
The SIGMA fp incorporates the low light AF, which enables AF to work even in a low light condition. Shooting is available at the light level down to 5EV.

Large choice of dedicated accessories
The SIGMA fp is complemented by a wide choice of dedicated accessories, expanding the possibilities of how one uses the camera.

Electronic image stabilization
Comes with the electronic image stabilization (EIS) function. Taking advantage of the electronic shutter, the SIGMA fp is capable of instantaneously taking four frames (two when movie recording), comparing them, and creating a composite image into a still image or video with minimum blur.

External power supply
By using a DC connector (CN-21) (sold separately), the SIGMA fp can be powered from an AC power adaptor or a V-mount battery plate.

Face/Eye Detection AF
In addition to Face Priority, the SIGMA fp also has Eye Priority AF. The camera will automatically detect the eyes of a human subject, allows bringing them into focus instantly and precisely.

Enhanced ISO
The SIGMA fp's native ISO settings range between 100 and 25600. With the enhanced ISO settings, an even larger choice of sensitivity with ISO 6, 12, 25, 50, 51200 and 102400 is available.

ISO Auto
In ISO Auto mode, the lower and upper limit of the ISO range can be set at will.

Flicker-control shooting
The SIGMA fp detects and controls image flickering, a phenomenon that can occur when shooting with artificial light sources.

Large choice of color modes
The SIGMA fp offers as many as 12 different color modes. Color modes available: Standard; Vivid; Neutral; Portrait; Landscape; Monochrome; Cinema; Teal and Orange; Sunset Red; Forest Green; FOV Classic Blue; FOV Classic Yellow

Color mode adjustment
The SIGMA fp offers a selection of color modes, where color tone and contrast tuned to best suit different shooting scenes. It has also newly introduced the "effect" slider to its adjustment menu. It sets the strength of an effect to apply in 11 levels, from -5 to +5, enabling the fine-tune for the color mode effects.

Tone control
Optimizes a tone curve to adjust an image with natural tones even in a high contrast scene. In addition to the two already available options (Strong/Mild), a manual setting option has newly been introduced, which allows users to adjust the tone curve by themselves.

HDR Shooting
Taking 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 and a natural look, all in-camera.
*The HDR shooting in the Cine mode is to become available via firmware update scheduled at a later date.

Fill Light
The SIGMA fp has within its body a "Fill Light" function, which is useful to adjust the brightness of an image by adding extra light energy into the shadow regions without altering the exposure of highlighted regions. The adjustment range, which was formerly ±2.0, has been expanded to ±5.0, making it possible to fine-tune the brightness even more.

Cinemagraph
The SIGMA fp can be used to create cinemagraphs in-camera, which are animated GIFs, in which parts of a still image keep moving (Length of up to 5 seconds).
*The Cinemagraph function is to become available via firmware update scheduled at a later date.

DNG format `STILL`
Supports DNG (Digital Negative) format for raw data recording in the Still mode. Data can be edited on SIGMA Photo Pro and a number of other DNG-compatible image development software.

14-bit processing `STILL`
The SIGMA fp can record lossless compressed 14-bit RAW (DNG) files for still photography. It can also shoot in RAW+JPEG simultaneously.

High-speed shutter `STILL`
The SIGMA fp is capable of taking pictures at shutter speeds of up to 1/8,000 sec.

Focus peaking
The focus peaking function highlights the edges of the parts of the scene that are in focus in a color (of the choice from among 4 colors). It quickly identifies which parts of the subject are in focus.

Multi-aspect
The SIGMA fp has a wide range of aspect ratios to choose from. With the newly introduced "A size" mode, it shoots in $\sqrt{2}$:1, which is the A size standards. Aspect ratios available: [21:9] / [16:9] / [3:2] / [A size ($\sqrt{2}$:1)] / [4:3] / [7:6] / [1:1]

Auto-bracketing `STILL`
Has an automatic bracketing function with settings for ±3 EV.

Auto crop
When using one of DC lenses (SIGMA's APS-C lenses), the SIGMA fp has the option of cropping the shots automatically to the APS-C angle of view.

Supports 12-bit CinemaDNG `CINE`
The SIGMA fp can record raw video at UHD/24fps in a 12-bit format, and UHD/30, 25, or 24fps in a 10- or 8-bit format.
*The feature of playing CinemaDNG footages in-camera is to become available via firmware update scheduled at a later date.

Dynamic range of 12.5 stops `CINE`
With a dynamic range of 12.5 stops*, the SIGMA fp enables video shooting with a great dynamic range. *At 12bit Cinema DNG.

Supports UHD 4K/24, 25 & 30 fps `CINE`
Capable of shooting UHD 4K (3840 × 2160) videos at 24, 25 or 30 fps.

Supports FHD/60 fps `CINE`
Capable of shooting high-speed FHD (1920 × 1080) video at max. 60 fps.

Supports ATOMOS Open Protocol `CINE`
The SIGMA fp supports the ATOMOS open protocol, with which allows the user to start or pause recording on an external recorder, directly on the camera's side.

Director's viewfinder `CINE`
Comes with a director's viewfinder function that allows the user to simulate different framings of cinema cameras from select manufacturers. Cinema cameras supported: [ARRI] ARRICAM / ARRIFLEX, ALEXA LF-ALEXA Mini LF, ALEXA Mini / AMIRA / ALEXA 65 / ALEXA XT [SONY] VENICE [RED] MONSTRO 8K / HELIUM 8K / DRAGON 6K / EPIC MX 5K / GEMINI 5K
* The feature of recording/playing video with the director's viewfinder function enabled is to become available via firmware update scheduled at a later date.

SIGMA CINE LENS `CINE`
The SIGMA CINE LENS line of lenses, which are SIGMA's interchangeable lenses for video shooting, are compatible with the SIGMA fp. It also supports T value-based transmission*1.
https://www.sigma-global.com/en/cine-lenses/
* SIGMA MOUNT CONVERTER MC-21 for EF-L or the PL-L Adaptor is required.
*1 EF mount only.

Supports ALL-I recording `CINE`
Supports All-I (All-Intra) recording which helps make data smaller in size and easier to edit at the same time.

Shutter angle display `CINE`
The SIGMA fp can display the shutter angle, a feature commonly found on professional cinema cameras.

Zebra patterning
The SIGMA fp has a zebra pattern display, which shows areas of the image that are of specified brightness levels in stripes. This helps to check for overblown highlights and adjust exposure accordingly.

Waveform display `CINE`
The SIGMA fp has a waveform display that shows video data to check the video in a numerical manner based on its signal information.

Supports time code `CINE`
In the Cine mode, the SIGMA fp supports time code recording, which is useful in video editing. It offers either "Free Run" or "Rec Run," and also switch between "Drop frame (DF)" and "Non-drop frame (NDF)," which allows the camera to send time code via HDMI output.

Supports UVC (USB Video Class) `CINE`
By simply connecting it to a PC via USB, the SIGMA fp can be used as a webcam. It is capable of recording audio while shooting a video. It will bring a full-frame camera quality to live streaming.
* The camera menu setting for connecting to UVC devices is to become available via firmware update scheduled at a later date.

Supports external SSD recording `CINE`
With a built-in USB host inside the camera, the SIGMA fp supports high-speed recording to external SSBs.

---

❶ Full-frame sensor
Employs a back-illuminated 35mm full-frame Bayer sensor with 24.6 effective megapixels.

❷ L-Mount
The SIGMA fp uses the L-Mount, characterized by a short flange focal length, large diameter, and superior durability. Thanks to the L-Mount Alliance, L-Mount lenses from Leica Camera AG and Panasonic Corporation can also be used on the SIGMA fp, realizing a camera system with great scalability. Furthermore, SIGMA SA mount lenses designed for previous lines of SIGMA cameras from one's lens investment can be used by applying the SIGMA MOUNT CONVERTER MC-21.
*The L-Mount Trademark is a registered Trademark of Leica Camera AG.

❸ Independent UIs
Going instantly from the Still mode to the Cine mode at the touch of a switch. Each mode comes with a dedicated control system and screen display, making it possible to check information and displays on the screen that is necessary for specific scenes.

❹ LCD screen
The 3.15-inch (3:2) liquid-crystal display is complete with a touch screen, for intuitive operation.

❺ Large heat sink
Designed and inspired by those used on professional cinema cameras, a large-size heat sink is mounted between the LCD and camera body. This achieves highly effective heat dissipation and prevents over-heating at high temperatures or in long hours of use.

❻ QS button
Camera functions that one use most often can be allocated to the Quick Set menu, complete with the QS (Quick Set) button to access the menu.

❼ TONE button
This button gives a quick access to the Tone Control menu.

❽ COLOR button
This button gives a quick access to the Color Mode menu.

L MOUNT

45mm F2.8 DG DN I Contemporary

Compact size is realized while maintaining
high image quality and is compatible with
full-frame mirrorless cameras.
This prime lens refines the concept of the Contemporary line.

35mm F1.2 DG DN I Art

The world's first* 35mm F1.2 as L-Mount and
Sony E-mount lens for full-frame mirrorless system.
The high image quality of the Art line that pursues
ultimate performance is realized by F1.2 maximum aperture.
*As an autofocus lens

14-24mm F2.8 DG DN I Art

Large-diameter, ultra-wide-angle zoom lens or
full-frame mirrorless cameras.
While pursuing the ultimate image quality of the Art line,
the size is reduced thanks to the exclusive design
for mirrorless cameras.

Expanding the world of L-Mount lenses

To choose lenses flexibly with minimum restrictions
imposed by manufacturers—so that you can use
your precious lenses for a long time without losing their value.
SIGMA is determined to achieve a flexible and
liberal future mirrorless system that enables configuration of
truly user-oriented systems.

SIGMA MOUNT CONVERTER MC-21
enhancing the extensibility of the L-Mount system.

The SIGMA MOUNT CONVERTER MC-21
allows SIGMA SA mount and SIGMA's
CANON EF mount interchangeable lens
owners to use their lens investment on
L-Mount camera bodies. The converter
allows more freedom of choice for L-Mount
cameras, enhancing the extensibility of
the L-Mount system.

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

SIGMA LENS   MOUNT CONVERTER   CAMERA BODY

for SIGMA   MOUNT CONVERTER MC-21   SIGMA
                   SIGMA SA→L

L-Mount Lens   L-Mount Body

for CANON   MOUNT CONVERTER MC-21   CANON
                   CANON EF→L   EOS Series
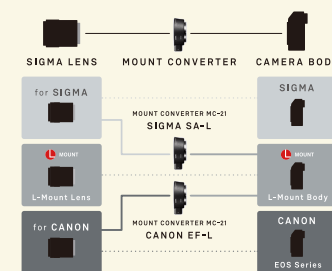
* SIGMA's CANON EF mount
  compatible lens

14
L-Mount
LENSES

A Art
35mm F1.2 DG DN

C Contemporary
45mm F2.8 DG DN

A Art
14-24mm F2.8 DG DN

A Art
14mm F1.8 DG HSM

A Art
20mm F1.4 DG HSM

A Art
24mm F1.4 DG HSM

A Art
28mm F1.4 DG HSM

A Art
35mm F1.4 DG HSM

A Art
40mm F1.4 DG HSM

A Art
50mm F1.4 DG HSM

A Art
70mm F2.8 DG MACRO

A Art
85mm F1.4 DG HSM

A Art
105mm F1.4 DG HSM

A Art
135mm F1.8 DG HSM

29
DSLR
LENSES

C Contemporary
17-70mm F2.8-4
DC MACRO OS HSM

C Contemporary
18-200mm F3.5-6.3
DC MACRO OS HSM

C Contemporary
18-300mm F3.5-6.3
DC MACRO OS HSM

C Contemporary
100-400mm F5-6.3
DG OS HSM

C Contemporary
150-600mm F5-6.3
DG OS HSM

S Sports
60-600mm F4.5-6.3 DG OS HSM

S Sports
70-200mm F2.8 DG OS HSM

S Sports
120-300mm F2.8 DG OS HSM

S Sports
150-600mm F5-6.3 DG OS HSM

S Sports
500mm F4 DG OS HSM

A Art
12-24mm F4 DG HSM

A Art
14-24mm F2.8 DG HSM

A Art
24-35mm F2 DG HSM

A Art
24-70mm F2.8 DG OS HSM

A Art
24-105mm F4 DG OS HSM

A Art
14mm F1.8 DG HSM

A Art
20mm F1.4 DG HSM

A Art
24mm F1.4 DG HSM

A Art
28mm F1.4 DG HSM

A Art
35mm F1.4 DG HSM

A Art
40mm F1.4 DG HSM

A Art
50mm F1.4 DG HSM

A Art
70mm F2.8 DG MACRO

A Art
85mm F1.4 DG HSM

A Art
105mm F1.4 DG HSM

A Art
135mm F1.8 DG HSM

A Art
30mm F1.4 DC HSM

A Art
18-35mm F1.8 DC HSM

A Art
50-100mm F1.8 DC HSM

SIGMA
MOUNT CONVERTER MC-21
SIGMA SA-L / CANON EF-L

fp

13
CINE
LENSES

FF Zoom
24-35mm T2.2 FF

FF High Speed Prime
14mm T2 FF

FF High Speed Prime
20mm T1.5 FF

FF High Speed Prime
24mm T1.5 FF

FF High Speed Prime
28mm T1.5 FF

FF High Speed Prime
35mm T1.5 FF

FF High Speed Prime
40mm T1.5 FF

FF High Speed Prime
50mm T1.5 FF

FF High Speed Prime
85mm T1.5 FF

FF High Speed Prime
105mm T1.5 FF

FF High Speed Prime
135mm T2 FF

High Speed Zoom
18-35mm T2

High Speed Zoom
50-100mm T2

SIGMA
MOUNT CONVERTER MC-21
CANON EF-L

or PL MOUNT ADAPTER

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 / Approx. 25.3MP		
	Aspect ratio	3:2		
	Color filter System	RGB Primary color filter		
	Still Image File Format	Lossless compression RAW (DNG) data12/14 bit, JPEG (Exif 2.3), 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 Size(√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	3840 × 2160 (UHD 4K) / 23.98p, 25p, 29.97p, FHD (1,920 × 1,080) 23.98p, 25p, 29.97p, 59.94p, 100p, 119.88p	
		CinemaDNG Memory Media Limitation	SD card: UHS-I FHD 10bit 30 fps or less, UHS-II UHD 10bit 24 fps or less, FHD 12bit 60 fps or less	
			Portable SSD: UHD 12bit 24 fps or less, FHD 12bit 60 fps or less, FHD 8 bit 120 fps or less	
	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	3840 × 2160 (UHD 4K) / 4:2:28bit 29.97p / 25p / 23.98p / 1920 × 1080 (FHD) / 4:2:28bit 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 Detecton Range, AF mode	-5～18EV (F1.4: ISO100) / Auto, 49-points selection mode, Free Movement mode, Face / Eye Detection 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, Pre-AF, AF during Image Magnification		
Exposure Control	Metering System	Evaluative, Spot, Center Weighted Average		
	Metering Range	-5～18EV (50mm F1.4: ISO100)		

Exposure Control	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 1/8000 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 Monitor, Aspect Ratio 3:2, 3.15, Approx. 2,100,000 dots / Electrostatic capacitance system touch panel / Approx. 100%
Flash (when to use external 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. 1/30 sec. *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 (Photo Style)		12 types (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 Fill Light / Shading Correction / HDR shooting
		CINE Mode Still image shooting during movie shooting / HDR shooting / Director's viewfinder
	Playback Mode	STILL Mode In-camera DNG Development
		CINE Mode 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 TypeC
	HDMI	TypeD (Ver.1.4)
	Release Terminal	Also used as an external microphone terminal.
	External Michrophone	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		Li-ion Battery BP-51 *USB power supply available (when the power is turned off)
Dimensions / Weight	Dimensions	112.6 × 69.9 × 45.3mm
	Weight	422g (including battery and SD card), 370g (Camera Body Only)
Operating Environment	Operating Temperature	0～+40℃
	Operating Humidity	85% or less (no condensing)
Accessories		● LI-ION Battery BP-51 ● Strap ● Strap Holder ● AC Adapter UAC-11 ● USB Cable (A-C) SUC-11 ● HOT SHOE UNIT HU-11 ● Body Cap ● Instruction Manual ● Warranty Sticker ● Warranty
Optional Accessories		● HAND GRIP HG-11 ● LARGE HAND GRIP HG-21 ● LCD VIEW FINDER LVF-11 ● CABLE RELEASE CR-41 ● BASE PLATE BPL-11 ● DC CONNECTOR CN-21 ● BATTERY CHARGER BC-71 ● AC ADAPTER SAC-7P ● BASE GRIP BG II ● ELECTRONIC FLASH EF-630 ● MOUNT CONVERTER MC-21