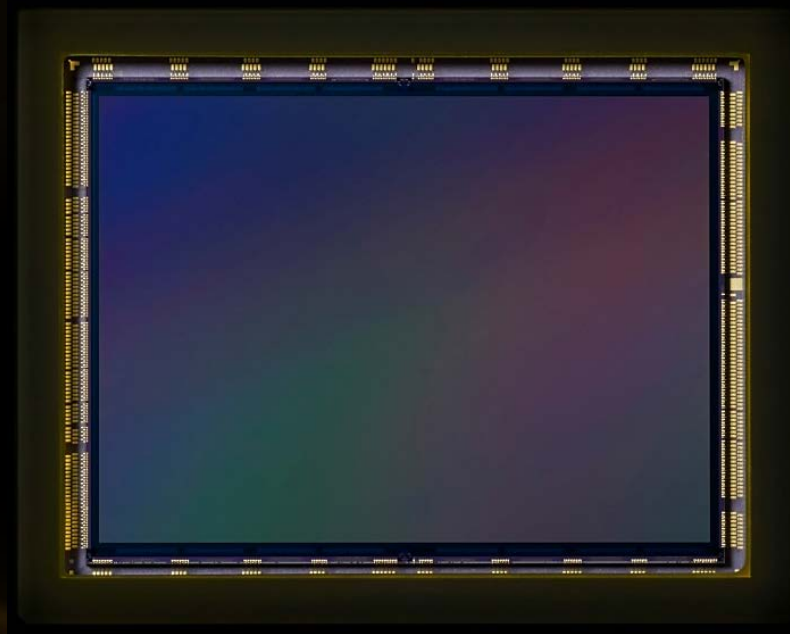




α Mount System

RELEASE

# Full-frame creativity





# FX 9

PXW-FX9 / PXW-FX9K

# XDCA-FX 9

Extension Unit for FX9

## Cinema Lens Series

## FE C 16-35mm T3.1 G





# FX 9

PXW-FX9 / PXW-FX9K

**Exmor R**  
CMOS Sensor

**α** Mount System

**XDCM**

**XAVC**

# SONY

## Combined Sony's technology in Digital cinema camera VENICE, FS series and $\alpha$ (Alpha) ILC cameras



### Cinema camera VENICE essence

- Expression Power of Full-Frame
- 15+ stops Latitude
- Dual Base ISO
- Color science



### FS7 series essence

- 4K 4:2:2 10bit recording
- XAVC Intra/Long
- Run & Gun
- Electronic Variable ND Filter
- Usability & Expandability



### Alpha series essence

- Auto Focus Algorithm



# FX9

PXW-FX9 / PXW-FX9K

**New full-frame “Exmor R” sensor**

Over-sampling for stunning 4K image / 15+ stops

**Fast Hybrid AF**

Unprecedented speed, smoothness and precision

**Enhanced functionality over FS7 series**

Improved user interface, EVND and more

SONY

New full-frame “Exmor R” sensor

# Full-frame 6K Sensor

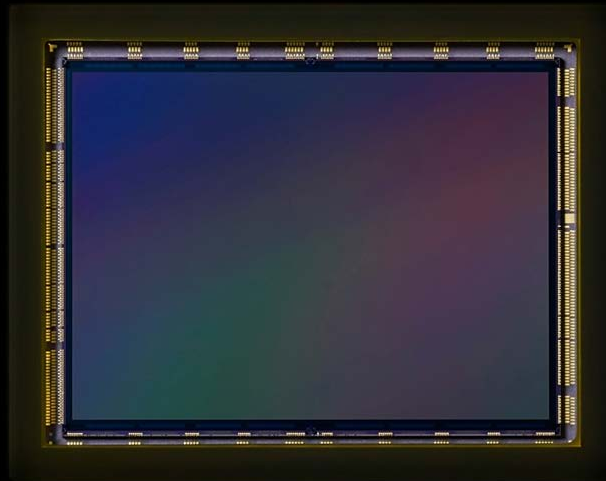
6008 x 3168 oversample, beautiful bokeh effect

15+ Stops of latitude

Wide Dynamic Range


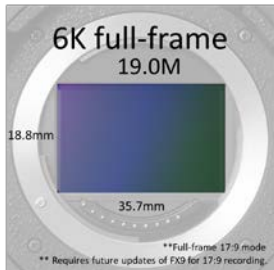
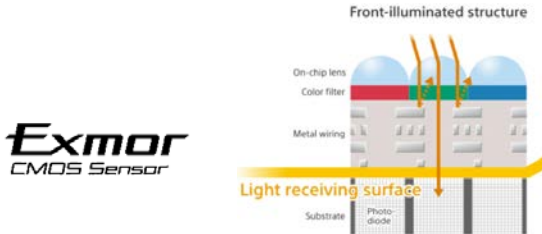
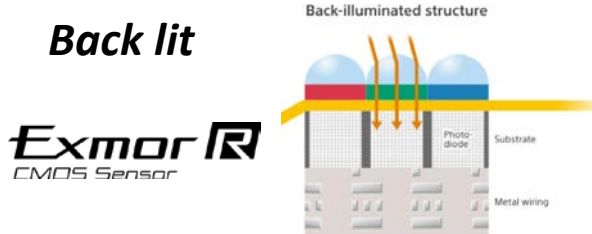
Dual Base ISO

Switchable between ISO800 and ISO4000



# SONY

## New full-frame “Exmor R” sensor

|               | PXW-FS7M2   | NEW PXW-FX9  |
|---------------|---|--|
| Sensor Size   |    |   |
| Dynamic Range | 14 Stops  | 15+ Stops  |
| Sensor Brand  |  |  |



**SONY**

## New full-frame “Exmor R” sensor

### Available recording modes



| Imager<br>Scan Mode | Recording<br>resolution | Frame Rate  |                   |
|---------------------|-------------------------|-------------|-------------------|
|                     |                         | 24p/25p/30p | 60p               |
| Full-frame          | 4096x2160               | ✓*          | ✓*<br>(Crop mode) |
|                     | 3840x2160               | ✓           | ✓*<br>(Crop mode) |
|                     | 1920x1080               |             | ✓                 |
| S35                 | 4096x2160               | ✓*          | ✓*                |
|                     | 3840x2160               | ✓           |                   |
|                     | 1920x1080               |             |                   |

\* Supported in the future firmware update.

**SONY**

## New full-frame “Exmor R” sensor

**Stunning High Frame Rate Image from 6K full-frame scanning**



| Imager Scan Mode | Recording resolution | 100,120p | 150,180p |
|------------------|----------------------|----------|----------|
| Full-Frame       | 1920x1080            | ✓        | ✓*       |
| S35              | 3840x2160            | ✓**      | -        |
|                  | 1920x1080            | ✓        | -        |

\* Supported in the future firmware update.

\*\* Supported in the future firmware update. RAW output only.

**SONY**

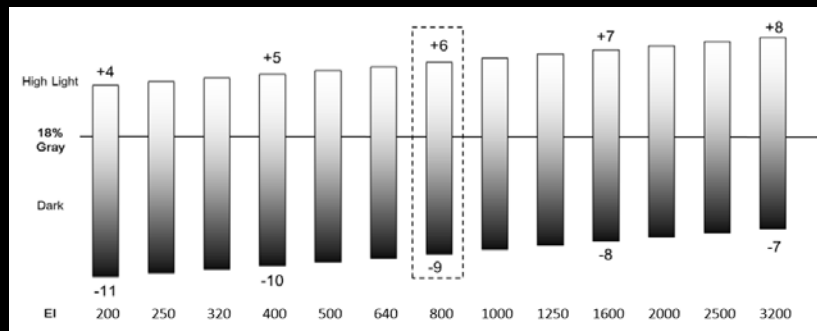
# New full-frame “Exmor R” sensor

\*S-Log3, Cine EI mode

## Dual Base ISO

Low Base ISO

ISO800

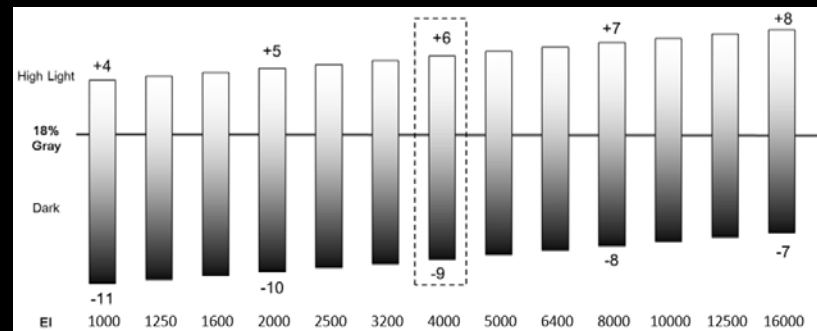


Good for day/outside shooting scene.



High Base ISO

ISO4000



Good for capturing dark/night scene.



**SONY**

New full-frame “Exmor R” sensor

**S-Log**

Gamma

**S-Log3**

Color Space

**S-Gamut3**  
**S-Gamut3.Cine**

S-Log3 Original



Graded



SONY

## Fast Hybrid AF

Maximum

**561** points

**94%** in horizontal direction

**96%** in vertical direction

Wide AF coverage



**96%**

**94%**

# Fast Hybrid AF

## Customizable AF settings

|                      |                  |     |
|----------------------|------------------|-----|
| User                 | Focus            | 0-4 |
| Back                 |                  |     |
| AF Transition Speed  | 7 (Fast)         |     |
| AF Subj. Shift Sens. | 5 (Responsive)   |     |
| Focus Area           | Wide             |     |
| Focus Area (AF-S)    | Flexible Spot    |     |
| Face Detection AF    | Face Priority AF |     |
| Push AF Mode         | AF               |     |
| AF Assist            | On               |     |

### [AF Transition Speed]

The speed of focus switching

[Slow 1]



[Fast 7]



Focus changes gradually  
Good for making promotion videos

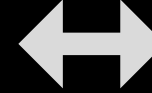


Focus changes quickly  
Good for shooting such as sports with fast movement

### [AF Subject Shift Sensitivity]

How easily the focus is switched to another subjects

[Locked on 1]



[Responsive 5]



Good for keeping focusing on a desired subject you want like a wedding or an interview shooting.



Good for shooting multiple subjects appearing one after another like shooting a car racing.

Customizable AF settings can be used for a wide range of situations, depending on your requirements.

# SONY

## Fast Hybrid AF

### Face Detection AF

#### [Face Priority AF]

Focuses on faces, when there are faces and objects.

#### [Face Only AF]

Focus only on a face, not on other objects.

#### [Face Registration]

Camera can recognize multiple faces and remember a face once it is registered.

[With Face Only AF]



[Without Face Only AF]



[Face Registration]



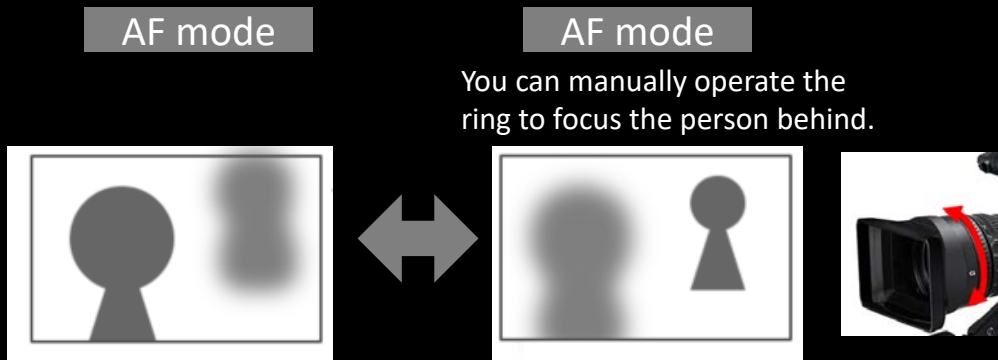


## Fast Hybrid AF

### AF Assist

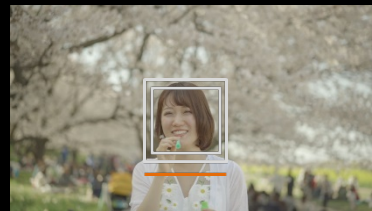
You can control MF ring during AF shooting if AF Assist is set to ON.  
**You can adjust the focus manually even in AF shooting.**

\* Recommend AF Subject Shift Sensitivity setting is 1 (Locked on).



### One Push AF

While you are shooting in MF, pushing One Push AF button enables you to change to the focus mode to AF.





**SONY**

## Enhanced functionality

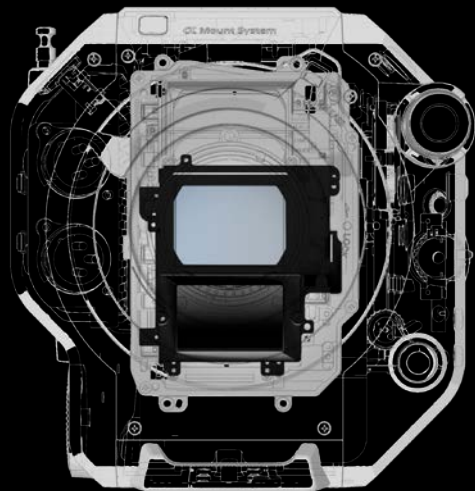


**We kept the good part  
Basic design and operability is kept the  
same as the FS7 series.**

**Even the existing third party accessories are  
kept compatible**

# SONY

## Enhanced functionality



The image is FS7M2.

We kept the good part  
Of course, the Electronic Variable ND Filter



The world first\*Electronic Variable ND Filter for full-frame sensor

# SONY

## Enhanced functionality

**We listened...**  
**More direct operation without  
going into the menu**

Aggregation of  
ND Filter Control

Multi Function Dial

4ch Audio  
Control Dials



**SONY**

**Enhanced functionality**

and we listened...

**EVF tube transforms into  
a sunshade**



**SONY**

Enhanced functionality



and we listened...  
Better grip with a belt  
for more comfort

**SONY**

## Enhanced functionality

and we listened...

**GENLOCK and TC In/Out**  
on the body



GENLOCK  
TC In/Out

**SONY**

## Enhanced functionality

Cinematic color science with

# S-Cinetone™

developed with the same expertise as  
Sony's world-leading VENICE digital  
cinema camera.



VENICE

We added a little more...



The advanced default look delivers alluring facial tones and  
a softer tonal look.

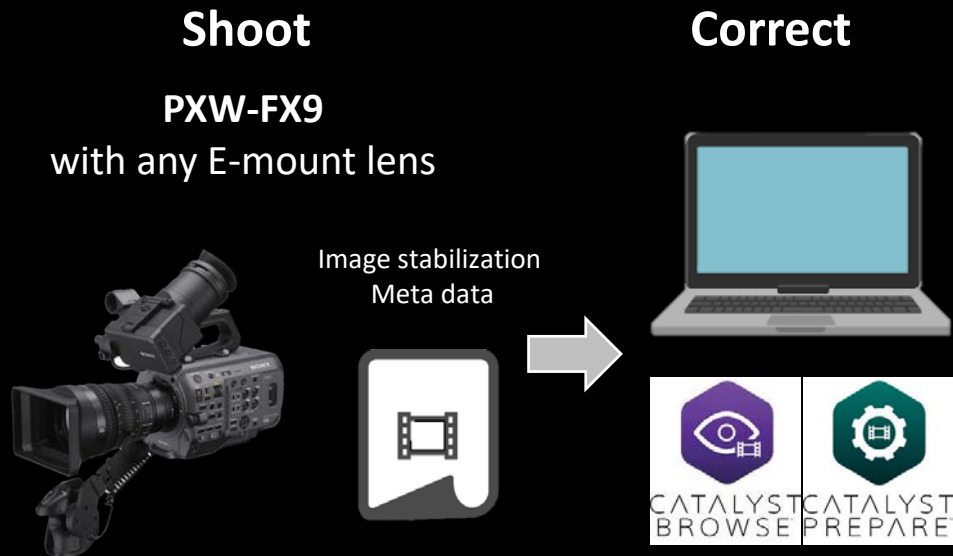
**SONY**

**Enhanced functionality**

# Image stabilization information



**We added a little more...**



\*Planned to be supported from Ver.2019.2 supposed to be released in Dec

\*\* Resolution and angle of view reduced compared to native footage.

\*\*\* 3<sup>rd</sup> party NLE is also planned to be supported in the future.



# SONY

## Enhanced functionality

We added a little more...

### Remote control and monitoring with Contents Browser Mobile



PXW-FX9  
In-body  
5GHz/2.4GHz Wi-Fi



Smartphone



\*CBM Ver3.3 will be released in Dec.

Detailed designs are subject to change without notice.

Zoom/iris/focus control from your camera, remote or smartphone.

\*Compatible cameras, remote controllers, smartphones and applications are required.

SONY

## Enhanced functionality

We added a little more...

### XDCA-FX9 Extension Unit

- **16bit RAW output\***
- **V-Shoe battery** having higher capacity is good for long duration shooting.
- **RJ-45 I/F** for ethernet connection, good for live streaming.
- **“Dual Link” with 2 carrier lines** enables stable network streaming.
- **DWX slot-in type audio\*\*** for a range of applications including live concert or broadcasting.
- **D-tap** for an additional power supply.



\*Planned to be supported at future updates. Limited to 10-bit recording during 120fps high frame rate shooting within Super35 image circle.

\*\*Planned to be supported at future updates.

# SONY

## PXW-FX9/FX9K & XDCA-FX9

Sensor: Full-frame “Exmor R” CMOS

Lens: E-mount

Media: XQD card x2 slots

Format: XAVC Intra/Long, MPEG HD422

Kit Model PXW-FX9K will come with SELP28135G

### Key Feature

- Full-frame 6K Sensor
- Fast Hybrid AF
- Dual base ISO
- Cinematic color science with S-Cinetone
- Electronic Variable ND filter
- 4K 4:2:2 10bit internal recording



SONY

# PXW-FX9/FX9K & XDCA-FX9

## Firmware Update Plans

- 4K60p recording in Full-frame
- FHD 180fps in Full-frame mode
- DCI 4K recording mode
- 16bit RAW from XDCA-FX9
- Wireless Audio Receiver for XDCA-FX9

\*v2.0 firmware update is planned to be available around summer 2020

\*The features that will be included in v2.0 are still TBD

