

Using cutting-edge technologies from **Sony consumer labs**, this hardware line-up has many assets for industrial usage.

- Latest Sony sensors using Exmor technologies
- AF performance
- High resolution
- High sensitivity & speed
- Wide range of sizes and weights



**Exmor**  
CMOS Sensor

**Exmor R**  
CMOS Sensor

**Exmor RS**  
CMOS Sensor

Sony Line-up

ILC (Interchangeable-lens digital camera)			DSC (Digital System Camera)		
35 mm Fullframe	APS-C	Ultra Compact	Compact	Integrated Optical Zoom	
<p><b>α1 α9II</b></p> <p><b>High Speed</b></p> <p>35mm Stacked Exmor High burst rate 24 - 50.1M Pixels Interchangeable lens 20 fps stills</p> <p><b>USB 3.2 Ethernet</b></p> <p>128.9x96.9x80.8 mm 665g - 737g</p>	<p><b>α7C α7RIV α7SIII αFX3</b></p> <p><b>High Resolution/ Sensitivity</b></p> <p>35mm Exmor R</p> <p>12.2M - 61M Pixels Interchangeable lens 10 fps stills</p> <p><b>USB 3.2</b></p> <p>126 x 96 x 78 mm 509g-699g</p>	<p><b>α6100 α6400 α6600</b></p> <p>APS-C Exmor</p> <p>24.3M Pixels Interchangeable lens 11 fps stills</p> <p><b>USB 2</b></p> <p>120 x 67 x 70 mm 200g-500g</p>	<p><b>RX0II</b></p> <p>1" Exmor RS</p> <p>15.3M Pixels</p> <p>16 fps stills</p> <p><b>FHD &amp; 4K Video USB 2</b></p> <p>59 x 41 x 35 mm 100g</p>	<p><b>RX1RII</b></p> <p>35mm Exmor R</p> <p>42.4M Pixels Interchangeable lens 5 fps stills</p> <p><b>FHD Video USB2</b></p> <p>113,3 x 65,4 x 72 mm 507g</p>	<p><b>RX10IV</b></p> <p>1" Exmor R</p> <p>20.1 - 24.3M Pixels Interchangeable lens 24 fps stills</p> <p><b>USB2</b></p> <p>105.5 x 60 x 43.5 mm / 133 x 93 x 145 mm 294g / 1kg</p>

Industrial Support

**Sony Camera Remote SDK**  
Windows, Linux & MAC

**Third party SDK's supported**

- ▶ **Future Proof Migration**
- ▶ **Specific warranty condition**
- ▶ **Extended documentation and Application note**
- ▶ **Tailored customer support**
- ▶ **Dedicated integration support**



# Sony DI Camera Specifications

ILC (Interchangeable-lens camera) - 35 mm

Exmor RS  
CMOS Sensor

Exmor R  
CMOS Sensor

All in One  
Alpha 1 

High Speed  
Alpha 9M2 

Compact  
Alpha 7C 



## Key Features

Full frame 50.1 Megapixel Exmor RS sensor (35.9 x 24.0 mm) – Pixel Pitch 4.16 microns

In-house image sensor technology which provides high-quality image

Stacked Exmor RS sensor enables :  
- reduced rolling shutter & banding effect  
- high speed readout (8K/30fps, 4K-120fps)

Electronic Shutter -> no noise, no vibration & up to 1/200 sec flash sync.

Lightweight body 737g (including battery)

Compact size 128,9 x 96,9 x 80,8 mm

Operating temperature 0° C - 40° C

500,000 mechanical shutter releases  
Unlimited electronic shutter releases

Battery Life 530 shots

16 bit RAW Video output at 4332 x 2446 Pixel up to 60 fps, 10 bit All-I 4:2:2 internal (HEVC/H.265 codec)

New CF express type A card up to 800 MB/s speed

Connectivity: USB 3.2 / HDMI / Wifi + 1000BASE-T Ethernet support

Shutter speed up to 1/32000 sec

## Key Features

Full frame 24 Megapixel Exmor RS sensor (35.6 x 23.8 mm) – Pixel Pitch 6 microns

In-house image sensor technology which provides high-quality image

Stacked Exmor RS sensor enables :  
- High speed readout (60x/sec)  
- 20 fps  
- No blackout  
- Suppressed rolling-shutter & banding effect

Electronic Shutter -> no noise & no vibration

Lightweight body 665g (including battery)

Compact size 128,9 x 96,4 x 77,5 mm

Operating temperature 0° C - 40° C

500,000 mechanical shutter releases  
Unlimited electronic shutter releases

Battery Life 670 shots

Professional video capabilities e.g. 4K/30fps – FHD/120fps

Connectivity: USB 3.2 / HDMI / Wifi

Shutter speed up to 1/32000 s

1000BASE-T Ethernet support

## Key Features

Full frame 24 Megapixel sensor (35,6 mm x 23,8 mm) - Pixel Pitch 6 microns

In-house image sensor technology which provides high-quality image

Backside-illuminated (BSI) Exmor R sensor enables  
- High quantum efficiency  
- Class leading ISO & Dynamic Range Performance

Electronic Shutter -> no noise & no vibration

Lightweight body 509g (including battery)

Compact size 124 x 71,1 x 59,7 mm

Operating temperature 0° C - 40° C

200,000 mechanical shutter releases  
Unlimited electronic shutter releases

Professional video capabilities e.g. 4K/30 fps – FHD/120fps & S-log

Battery Life 740 shots

Connectivity: USB 3.2 / HDMI / Wifi

## ILC (Interchangeable-lens camera) - 35 mm

Exmor R  
CMOS Sensor

### Alrounder Alpha 7 M3



#### Key Features

Full frame 24 Megapixel sensor  
(35,6 mm x 23,8 mm) -  
Pixel Pitch 6 microns

In-house image sensor technology  
which provides high-quality image

Backside-illuminated (BSI) Exmor R  
sensor enables :  
- High quantum efficiency  
- Class leading ISO & Dynamic Range  
Performance

Electronic Shutter -> no noise & no  
vibration

Lightweight body 650g (including  
battery)

Compact size 126,9 x 95,6 x 73,7 mm

Operating temperature 0° C - 40° C

200,000 mechanical shutter releases  
Unlimited electronic shutter releases

Professional video capabilities e.g.  
4K/30 fps – FHD/120fps & S-log

Battery Life 710 shots

Connectivity: USB 2.0 / HDMI / Wifi

### High Resolution Alpha 7R M4A



#### Key Features

Full frame 61 Megapixel sensor  
(35.7 x 23.8 mm) –  
Pixel Pitch 3.8 microns

In-house image sensor technology  
which provides high-quality image

Backside-illuminated (BSI) Exmor R  
sensor enables :  
- High quantum efficiency  
- Class leading ISO & Dynamic Range  
Performance

Electronic Shutter -> no noise & no  
vibration

Lightweight body 665g (including  
battery)

Compact size 128,9 x 96,4 x 77,5 mm

Operating temperature 0° C - 40° C

500,000 mechanical shutter releases  
Unlimited electronic shutter releases

Professional video capabilities e.g.  
4K/30fps – FHD/120fps & S-log

Battery Life 670 shots

Connectivity: USB 3.2 / HDMI / Wifi

Pixel Shift Multi Mode up to  
240 Megapixel image

### Low Sensitivity Alpha 7S M3



#### Key Features

Full frame 12.1 Megapixel sensor  
(35.6 x 23.8 mm) –  
Pixel Pitch 8.4 microns

In-house image sensor technology  
which provides high-quality image

Up to 8x more powerful BIONZ XR  
image processor

Exmor R sensor with large Pixels  
enables :  
- High full well capacity  
- Class leading ISO & Dynamic Range  
Performance

Lightweight magnesium alloy body  
699g (including battery)

Compact size 128.9 x 96.9 x 69.7 mm

Operating temperature 0° C - 40° C

500,000 mechanical shutter releases  
Unlimited electronic shutter releases

Professional video capabilities e.g.  
4K/120fps – FHD/240fps

16 bit RAW Video output at up to  
60 fps, 10 bit All-I 4:2:2 internal  
(HEVC/H.265 codec) & S-log3

New CF express type A card, up to  
800MB/s speed

Optimized Heat dissipation design

Connectivity: USB 3.2 / HDMI / Wifi

High ISO up to 409.600, Dynamic  
range 15+ stops

# Sony DI Camera Specifications

ILC - 35 mm

Exmor R  
CMOS Sensor

**Rugged body /  
Low Sensitivity  
Alpha FX3**



## Key Features

Full frame 12 Megapixel sensor (35.6 x 23.8 mm) – Pixel Pitch 8.4 microns

In-house image sensor technology which provides high-quality image

Exmor R sensor with large Pixels enables

- Class leading ISO up to 409.600 & Dynamic Range

Lightweight body 715g (including battery)

Compact size 129,7 x 77,8 x 84,5 mm

Operating temperature 0° C - 40° C

Numbers of release circles mechanical shutter 500.000 releases & unlimited in electronic

Professional video capabilities e.g. 4K/120fps – FHD/240fps

16 bit RAW Video output at up to 60 fps, 10 bit All-I 4:2:2 internal (HEVC/H.265 codec)

Battery Life 580 shots

Connectivity: USB 3.2 / HDMI / Wifi

Rugged body with mounting holes

Built in fan (which can be turned off) for recording in 4K60 with no time limit

ILC (Interchangeable-lens camera) - APS-C

**APS-C entry  
Alpha 6100**



## Key Features

APS-C 24 Megapixel sensor (23.5 x 15.6 mm) – Pixel Pitch 3.9 microns

In-house image sensor technology which provides high-quality image

Backside-illuminated (BSI) Exmor R sensor enables :

- High quantum efficiency  
- Class leading ISO & Dynamic Range Performance

Electronic Shutter -> no noise & no vibration

Lightweight body 396g (including battery)

No internal image stabilization (IBIS)

Compact size 120,0 x 66,9 x 59,4 mm

Operating temperature 0° C - 40° C

100,000 mechanical shutter releases  
Unlimited electronic shutter releases

Professional video capabilities e.g. 4K/30fps – FHD/120fps

Battery Life 420 shots

Connectivity: USB 2.0 / HDMI / Wifi

**APS-C midrange  
Alpha 6400**



## Key Features

APS-C 24 Megapixel sensor (23.5 x 15.6 mm) – Pixel Pitch 3.9 microns

In-house image sensor technology which provides high-quality image

Backside-illuminated (BSI) Exmor R sensor enables :

- High quantum efficiency  
- Class leading ISO & Dynamic Range Performance

Electronic Shutter -> no noise & no vibration

Lightweight body 403g (including battery), with weather sealing

Improved viewfinder resolution

Compact size 120,0 x 66,9 x 59,7 mm

Operating temperature 0° C - 40° C

200,000 mechanical shutter releases  
Unlimited electronic shutter releases

Professional video capabilities e.g. 4K/30fps – FHD/120fps & S-log

Battery Life 400 shots

Connectivity: USB 2.0 / HDMI / Wifi

# Sony DI Camera Specifications

## ILC - APS-C

### APS-C premium Alpha 6600



#### Key Features

APS-C 24 Megapixel sensor  
(23.5 x 15.6 mm) –  
Pixel Pitch 3.9 microns

In-house image sensor technology  
which provides high-quality image

Backside-illuminated (BSI) Exmor R  
sensor enables :

- High quantum efficiency
- Class leading ISO & Dynamic Range  
Performance

Electronic Shutter -> no noise & no  
vibration

Lightweight body 503g (including  
battery)

Internal image stabilization (IBIS)

Compact size 120,0 x 66,9 x 69,3 mm

Operating temperature 0° C - 40° C

200,000 mechanical shutter releases  
Unlimited electronic shutter releases

Professional video capabilities e.g.  
4K/30fps – FHD/120fps & S-log

Battery Life 720 shots

Connectivity: USB 2.0 / HDMI / Wifi

FZ-100 Battery for a long life  
(720 shots)

## DSC (Digital System Camera)

### Ultra Compact RX0 Series



#### Key Features

1" Type 15 Megapixel sensor  
(13.2 x 8.8 mm) –  
Pixel Pitch 2.8 microns

Fix Lens: 24mm f/4.0  
(35mm equivalent)

In-house image sensor technology  
which provides high-quality image

Stacked Exmor RS sensor enables :  
- Anti distortion shutter  
- Shutter speed up to 1/32000 s

Electronic Shutter -> no noise & no  
vibration

HFR - High Frame Rate (up to 960fps  
in Full HD)

Professional video capabilities e.g.  
4K/30fps – FHD/120fps & S-log

Extreme lightweight body 132g  
(including battery)

Extreme compact size  
59,0 x 40,5 x 35,0 mm

Operating temperature 0° C - 40°

Battery Life 240 shots

Connectivity: USB 2.0 / HDMI / Wifi

IPX8 (waterproof up to 10m –  
shockproof up to 2m – crushproof up  
to 2000N (200kgf))

Wired multi-camera control  
with optional Camera Control Box  
CCB-WD1

### Compact fullframe RX1R M2



#### Key Features

Compact camera with full frame  
42 Megapixel sensor  
(35.9 x 24.0 mm) –  
Pixel Pitch 4.5 microns

Fix lens: 35mm f/2.0

In-house image sensor technology  
which provides high-quality image

Backside-illuminated (BSI) Exmor R  
sensor enables :

- High quantum efficiency
- Class leading ISO & Dynamic Range  
Performance

Lightweight body 507g (including  
battery)

Compact size 113,3 x 65,4 x 72,0 mm

Operating temperature 0° C - 40° C

Video features e.g. FHD/60fps

Battery Life 220 shots

Connectivity: USB 2.0 / HDMI / Wifi

Smallest full frame compact Camera



# Sony DI Camera Specifications

## DSC (Digital System Camera)

### Super Zoom RX10 M4



#### Key Features

1" Type 20 Megapixel sensor (13.2 x 8.8 mm) – Pixel Pitch 2.4 microns

In-house image sensor technology which provides high-quality image

Stacked Exmor RS sensor enables :  
- Anti distortion shutter  
- Shutter speed up to 1/32000 sec

Electronic Shutter -> no noise & no vibration

HFR – High Frame Rate (up to 960fps in Full HD)

Professional video capabilities e.g. 4K/30fps – FHD/120fps & S-log

Lightweight body 1095g (including battery)

Compact size 132,5 x 94,0 x 127,4 mm

Operating temperature 0° C - 40°

Battery Life 400 shots

Connectivity: USB 2.0 / HDMI / Wifi

600mm full frame equivalent in this formfactor

### Compact Professional RX100 M7



#### Key Features

1" Type 20 Megapixel sensor (13.2 x 8.8 mm) – Pixel Pitch 2.4 microns

In-house image sensor technology which provides high-quality image

Stacked Exmor RS sensor enables :  
- Anti distortion shutter  
- Shutter speed up to 1/32000 sec

Electronic Shutter -> no noise & no vibration

HFR – High Frame Rate (up to 960fps in Full HD)

Professional video capabilities e.g. 4K/30fps – FHD/120fps & S-log

Lightweight body 302 g (including battery)

Compact size 101.6 x 58.1 x 42.8 mm AND 8x optical zoom

Operating temperature 0° C - 40°

Battery Life 260 shots

Connectivity: USB 2.0 / HDMI / Wifi

200mm full frame equivalent in this formfactor

### Super light weight ZV-1



#### Key Features

1" Type 20 Megapixel sensor (13.2 x 8.8 mm) – Pixel Pitch 2.4 microns

In-house image sensor technology which provides high-quality image

Stacked Exmor RS sensor enables :  
- Anti distortion shutter  
- Shutter speed up to 1/32000 sec

Electronic Shutter -> no noise & no vibration

HFR – High Frame Rate (up to 960fps in Full HD)

Professional video capabilities e.g. 4K/30fps – FHD/120fps & S-log

Lightweight body 294 g (including battery)

Compact size 105.5 x 60 x 43.5 mm




















Operating temperature 0° C - 40°

Battery Life 260 shots

Connectivity: USB 2.0 / HDMI / Wifi

24-70mm f/1.8-2.8 full frame equivalent in this formfactor

# Applications

Sony B2B camera	General features	 UVA/G/S	 High Resolution Scanner	 Biometry & Digital photography	 ITS* Surveillance & Security	 Medical
						
Hardware	Image quality	High dynamic range	Low noise	Image processing	Low noise	Color processing
	Quality	Reliability	Reliability	Reliability	Reliability	Reliability
	High Resolution	> 40 MP	up to 240 MP	8-20 MP	> 20MP	> 20 MP
	High Speed	5 fps sustained	15 fps burst			
	High Sensitivity	Requested (under water)			Requested (day/night)	High contrast/color
	Full range of dedicated lens	Flexibility	Flexibility	Flexibility	Flexibility	Flexibility
Software (Dedicated SDK)	Design	Compact Light weight	Low noise	Compact	Compact	Dedicated viewfinder
	Unique support for specific application	Fast trigger	Fast trigger		Low latency	
		High resolution	Fast (network I/F)			
	Command/Data control	Image adjustment	Trigger	Flash synch	Flash synch	Image adjustment
Focus		Focus	Eye AF		Focus	
Video capture		Zoom		Zoom	Liveview	
 <b>α1</b>		●	●		●	
 <b>α7sIII</b> <b>αFX3</b>		●			●	●
 <b>α7RIV</b>		●	●		●	
 <b>α9II</b>		●	●			
 <b>α7C</b>		●	●	●		●
 <b>α6600</b> <b>α6400</b> <b>α6100</b>		●	●	●		●
 <b>RX0II</b>		●	●	●	●	
 <b>RX1RII</b>		●				
 <b>ZV-1</b>		●				●

\*Intelligent Traffic Surveillance

# Available SDKs CameraRemotesDK

## Official Sony DI SDK

<https://support.d-imaging.sony.co.jp/app/sdk/en/index.html>

## Compatible with

ILCE-1, ILCE-7C, ILCE7RM4, ILCE-7RM4A, ILCE-7SM3, ILCE9M2, DSC-RX0M2

## OS

macOS®10.14 - 10.15, 11.1 -  
Windows® 8.1, 10 (64-bit only)

Linux® 64bit (ARMv8)

Linux® 32bit (ARMv7)

Linux® 64bit (x86)

## Supported Interface

USB, Ethernet

C++, C# : contact Sony

## Global function list

Focus control and indication

Liveview

Image adjustment (exposure, White Balance...)

Image capture

Video capture

Files settings ( RAW, JPEG,...)

Files destination

Image size

Zoom control

Flash mode control

Multi camera support



**SONY TOUGH  
SD CARDS**  
**32, 64, 128 GB**



**SONY  
FLASH  
SYSTEM**



**TRIGGER  
CABLE**

**DUMMY BATTERY  
DK-Z1**



**50 NATIVE E-MOUNT LENSES**

# Accessories