

## Sony a6300 Mirrorless 4k

Claudio Silva - 2023-11-03 - Comments (0) - Loaner Equipment



### Clear Image Zoom

#### Still images

Approx. 2x

#### Movies

Approx. 1.5x (4K), Approx. 2x (HD)

### Exposure control

#### METERING SENSITIVITY

EV-3 to EV20 (ISO100 equivalent with F2.0 lens attached)

#### Metering Type

1200-zone evaluative metering

#### Exposure Compensation

+/- 5.0 EV (1/3 EV, 1/2 EV steps selectable)

#### ISO Sensitivity (Recommended Exposure Index)

Still images: ISO 100 - 32000 (expandable to ISO 50 - 102400), AUTO (ISO 100 - 6400, selectable lower limit and upper limit), Movies: ISO 100 - 32000 equivalent, AUTO (ISO 100 - 6400, selectable lower limit and upper limit)

#### Anti-Flicker Shoot.

Yes<sup>40</sup>

## **Flash**

### **Flash compensation**

+/- 3.0 EV (switchable between 1/3 and 1/2 EV steps)

### **Control**

Pre-flash TTL

### **type**

-

### **External Flash Compatibility**

Sony  $\alpha$  System Flash compatible with Multi Interface Shoe, attach the shoe adaptor for flash compatible with Auto-lock accessory shoe

## **Focus system**

### **type**

Fast Hybrid AF (phase-detection AF / contrast-detection AF)

### **FOCUS POINT**

Still images: Max. 759 points (phase-detection AF), Movies: Max. 495 points (phase-detection AF)

### **SENSITIVITY RANGE**

EV-3 to EV20 (ISO100 equivalent with F2.0 lens attached)

### **Other Features**

AF Track Sens. (Still), AF Subj. Shift Sensitivity (Movie), AF Transition Speed (Movie), Switch V/H AF Area, AF Area Regist., Circ. of Focus Point, Focus Map (Movie), AF Assist (Movie)

### **AF illuminator**

Yes (with Built-in LED type)

### **Recognition Target (Still images)**

Human, Animal, Bird, Insect, Car, Train, Airplane

### **Recognition Target (Movies)**

Human, Animal, Bird, Insect, Car, Train, Airplane

## **LCD Screen**

### **Touch Panel**

Yes

### **Number of Dots**

1 036 800 dots

### **Adjustable Angle**

Opening Angle: Approx. 176°, Rotation Angle: Approx. 270°

### **type**

7.5 cm (3.0-type) type TFT

## **Movie Functions**

### **Slow & Quick Motion (S&Q)**

Yes

### **Proxy Recording**

Yes

### **TC/UB**

Yes

## **Movie Recording Format (XAVC HS 4K)**

### **3840 x 2160 (4:2:0, 10bit) (Approx.)**

119.88p (200 Mbps), 100p (200 Mbps), 59.94p (150 Mbps / 75 Mbps / 45 Mbps), 50p (150 Mbps / 75 Mbps / 45 Mbps), 23.98p (100 Mbps / 50 Mbps / 30 Mbps)

### **3840 x 2160 (4:2:2, 10bit) (Approx.)**

119.88p (280 Mbps), 100p (280 Mbps), 59.94p (200 Mbps / 100 Mbps), 50p (200 Mbps / 100 Mbps), 23.98p (100 Mbps / 50 Mbps)

## **Movie Recording Format (XAVC S 4K)**

### **3840 x 2160 (4:2:0, 8bit) (Approx.)**

119.88p (200 Mbps), 100p (200 Mbps), 59.94p (150 Mbps), 50p (150 Mbps), 29.97p (100 Mbps / 60 Mbps), 25p (100 Mbps / 60 Mbps), 23.98p (100 Mbps / 60 Mbps)

### **3840 x 2160 (4:2:2, 10bit) (Approx.)**

119.88p (280 Mbps), 100p (280 Mbps), 59.94p (200 Mbps), 50p (200 Mbps), 29.97p (140 Mbps), 25p (140 Mbps), 23.98p (100 Mbps)

## **Movie Recording Format (XAVC S HD)**

### **1920 x 1080 (4:2:0, 8bit) (Approx.)**

119.88p (100 Mbps / 60 Mbps), 100p (100 Mbps / 60 Mbps), 59.94p (50 Mbps / 25 Mbps), 50p (50 Mbps / 25 Mbps), 29.97p (50 Mbps / 16 Mbps), 25p (50 Mbps / 16 Mbps), 23.98p (50 Mbps)

### **1920 x 1080 (4:2:2, 10bit) (Approx.)**

59.94p (50 Mbps), 50p (50 Mbps), 29.97p (50 Mbps), 25p (50 Mbps), 23.98p (50 Mbps)

## **Movie Recording Format (XAVC S-I 4K)**

### **3840 x 2160 (4:2:2, 10bit) (Approx.)**

59.94p (600 Mbps), 50p (500 Mbps), 29.97p (300 Mbps), 25p (250 Mbps), 23.98p (240 Mbps)

## **Movie Recording Format (XAVC S-I HD)**

### **1920 x 1080 (4:2:2, 10bit) (Approx.)**

59.94p (222 Mbps), 50p (185 Mbps), 29.97p (111 Mbps), 25p (93 Mbps), 23.98p (89 Mbps)

## **Power Consumption**

### **With Viewfinder**

Still images: Approx. 3.6 W (with E PZ 16-50mm F3.5-5.6 OSS lens attached), Movies:  
Approx. 5.2 W (with E PZ 16-50mm F3.5-5.6 OSS lens attached)

### **With LCD screen**

Still images: Approx. 3.5 W (with E PZ 16-50mm F3.5-5.6 OSS lens attached), Movies:  
Approx. 5.3 W (with E PZ 16-50mm F3.5-5.6 OSS lens attached)

## **Recording System**

### **Memory Card Slot**

Slot for SD (UHS-I/II compliant) memory card

### **Recording system (movie)**

#### **Video Compression**

XAVC S: MPEG-4 AVC/H.264, XAVC HS: MPEG-H HEVC/H.265

#### **Audio Recording Format**

LPCM 2ch (48 kHz 16 bit), LPCM 2ch (48 kHz 24 bit)<sup>39</sup>, LPCM 4ch (48 kHz 24 bit)<sup>39</sup>

### **Recording system (still image)**

#### **Recording Format**

JPEG (DCF Ver. 2.0, Exif Ver. 2.32, MPF Baseline compliant), HEIF (MPEG-A MIAF compliant),  
RAW (Sony ARW 4.0 format compliant)

#### **Image Size (pixels) [3:2]**

APS-C L: 6192 x 4128 (26 M), M: 4384 x 2920 (13 M), S: 3104 x 2064 (6.4 M)

#### **Image Quality Modes**

RAW, JPEG, HEIF (4:2:0 / 4:2:2), RAW & JPEG, RAW & HEIF

#### **RAW Output**

Yes

### **Shutter**

#### **Shutter Type**

Mechanical shutter / Electronic shutter

#### **SHUTTER SPEED**

Still images (Mechanical shutter): 1/4000 to 30 s, Bulb, Still images (Electronic shutter):  
1/8000 to 30 s, Movies: 1/8000 to 1 s

#### **Flash Sync. Speed**

1/160 s

#### **Electronic Front Curtain Shutter**

Yes (ON/OFF)

### **USB Streaming**

## **VIDEO DATA FORMAT**

MJPEG, YUV420<sup>47</sup>

## **Video Resolution**

3840 x 2160 (15p / 30p) 3840 x 2160 (12.5p / 25p) 1920 x 1080 (30p / 60p) 1920 x 1080 (25p / 50p) 1280 x 720 (30p) 1280 x 720 (25p)

## **AUDIO DATA FORMAT**

LPCM 2ch (16bit 48 kHz)

## **Viewfinder**

### **Viewfinder Type**

1.0 cm (0.39 type) electronic viewfinder (XGA OLED)

### **Magnification**

Approx. 1.07x (35 mm camera equivalent: Approx. 0.70x) with 50 mm lens at infinity, -1 m<sup>-1</sup>

### **Eye Point**

Approx. 22 mm from the eyepiece lens, 19.4 mm from the eyepiece frame at -1 m<sup>-1</sup> (CIPA standard)

### **Number of Dots**

2 359 296 dots

### **Dioptre Adjustment**

-4.0 to +3.0 m<sup>-1</sup>

### **Finder Frame Rate Selection**

NTSC mode: STD 60fps / HI 120fps, PAL mode: STD 50fps / HI 100fps

## **Weight**

### **Body only**

Approx. 409 g

### **Body only (oz.)**

Approx. 0 lb 14.5 oz

### **With battery and memory card**

Approx. 493 g

### **With battery and memory card (oz.)**

Approx. 1 lb 1.4 oz

## **Dimensions**

### **Dimensions (W x H x D)**

Approx. 122.0 x 69.0 x 75.1 mm, Approx. 122.0 x 69.0 x 63.6 mm (FROM GRIP TO MONITOR)

**Dimensions (W x H x D) (in.)**

Approx. 4 7/8 x 2 3/4 x 3 inches, Approx. 4 7/8 x 2 3/4 x 2 5/8 inches (FROM GRIP TO MONITOR)

**Drive****Continuous Drive Speed (approx. max.)**

Hi+: 11 fps

**No. of recordable frames (approx.)**

JPEG Extra fine L: 143 frames, JPEG Fine L: over 1000 frames, JPEG Standard L: over 1000 frames, RAW: 59 frames, RAW & JPG: 44 frames, RAW (Lossless Compressed): 23 frames, RAW (Lossless Compressed) & JPEG: 18 frames

**Pixel Shift Multi Shooting**

-

**Image Stabilization****type**

Image sensor-shift mechanism with 5-axis compensation (compensation depends on lens specifications)

**COMPENSATION EFFECT (STILL IMAGES)**

5.0 stops (based on CIPA standard. Pitch/yaw shake only. With FE 50mm F1.2 GM lens mounted. Long exposure NR off.)

**Mode**

Still images: On / Off, Movie: Active / Standard / Off

**Lens Compensation****Setting**

Shading, Chromatic Aberration, Distortion, Breathing (Movie)

**Operating temperature****Operating Temperature**

0 - 40 °C / 32 - 104 °F

**Audio****Microphone**

Built-in, stereo

**Speaker**

Built-in, monaural

**Camera Section****Number of Pixels (Effective)**

Still images: Approx. 26.0 megapixels max., Movies: Approx. 19.9 megapixels max.

**Number of Pixels (total)**

Approx. 27.0 megapixels

**type**

APS-C type (23.3 x 15.5 mm), Exmor R CMOS sensor

**Optical Low Pass Filter**

-

**Color Temperature Range**

2500 K - 9900 K

**Anti-Dust System**

Yes

**Interface****HD Output**

HDMI micro connector (Type-D), 3840 x 2160 (59.94p / 50p / 29.97p / 25p / 23.98p) / 1920 x 1080 (59.94p / 50p / 23.98p) / 1920 x 1080 (59.94i / 50i), YCbCr 4:2:2 10bit / RGB 8bit

**Multi Interface Shoe**

Yes (with Digital Audio Interface)

**PC Interface**

Mass Storage / MTP

**Wireless LAN (Built-In)**

Yes (Wi-Fi Compatible, IEEE 802.11a/b/g/n/ac (2.4 GHz band/5 GHz band)) <sup>44, 45</sup>

**Bluetooth**

Yes (Bluetooth Standard Ver. 4.2 (2.4 GHz band))

**Mic Terminal**

Yes (3.5 mm Stereo minijack)

**Headphone Terminal**

Yes (3.5 mm Stereo minijack)

**Remote Control (Wireless)**

Yes (Bluetooth remote control)

**USB Type-C® Terminal**

Yes (SuperSpeed USB 5 Gbps (USB 3.2) compatible)

**Functions**

Send to smartphone Remote control via smartphone PC Remote

**Playback****Modes**

Enlarged display mode, Protect, Rating, Shot Mark (Movie), Divider Frame, Crop, Photo Capture

## **Power**

### **USB Power Supply**

Yes (Available with USB Type-C Terminal. USB Power Delivery compatible)

### **Supplied Battery**

One rechargeable battery pack NP-FZ100

### **Battery Life (Still Images)**

Approx. 550 shots (Viewfinder) / Approx. 570 shots (LCD monitor) (CIPA standard)

### **Battery Life (Movie, actual recording)**

Approx. 95 min (Viewfinder) / Approx. 100 min (LCD monitor) (CIPA standard)

### **Battery Life (Movie, continuous recording)**

Approx. 190 min (Viewfinder) / Approx. 185 min (LCD monitor) (CIPA standard)

### **Internal Battery Charge**

Yes (Available with USB Type-C Terminal. USB Power Delivery compatible)

## **Accessibility**

### **Functions**

Screen Reader, Focus Magnifier, Focus Map (Movie), Peaking Display, Subject Recognition in AF, Touch Focus, Touch Tracking, Touch Shutter, Touch AE, Vari-angle LCD screen, Custom function

## **What's In The Box**

### **Kit Lens**

SEL18135

### **Supplied Accessory**

Rechargeable Battery NP-FZ100, Shoulder strap, Body cap, Accessory shoe cap, Eyepiece cup, Lens hood, Lens cap, Lens rear cap

## **Other Features**

### **Other Features**

Soft Skin Effect, Creative Look, Custom function, Picture Profile, Time-lapse, Auto Framing, My Image Style