

## Sony AX53 Camcorder

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



### Sensor

#### SENSOR TYPE

1/2.5 type (0.28 in) back-illuminated Exmor R CMOS Sensor

#### EFFECTIVE PIXELS (STILL IMAGE)

approx. 8.29 Megapixels (16:9)/approx. 6.22 Megapixels (4:3)

#### EFFECTIVE PIXELS (VIDEO)

approx. 8.29 Megapixels (16:9)<sup>1</sup>

Processor

#### IMAGE PROCESSOR

BIONZ X™ image processor

### Lens

#### FOCAL LENGTH (35MM EQUIVALENT) (STILL IMAGE)

f=26.8-536.0 mm (16:9) f=32.8-656.0 mm (4:3)LENS COVER

Auto

#### FOCAL LENGTH (35 MM EQUIVALENT) (VIDEO)

f=26.8-536.0 mm (16:9)<sup>1</sup>

**FILTER DIAMETER**

55 mm

**IRIS DIAPHRAGM**

6 blades

**LENS TYPE**

ZEISS® Vario-Sonnar® T\*

**MINIMUM FOCUS DISTANCE**

approx. 13/32" (Wide), approx. 31 1/2" (Tele), approx. 1 cm (Wide), approx. 80 cm (Tele)

**FOCAL DISTANCE**

f=4.4-88 mm

**APERTURE**

F 2.0-3.8

Zoom

**DIGITAL ZOOM**

250x<sup>2</sup>

**OPTICAL ZOOM**

20x

**CLEAR IMAGE ZOOM**

4K: 30x HD: 40x<sup>3</sup>

Viewfinder

**FIELD OF VIEW**

100%

**VIEWFINDER TYPE**

0.24 type (0.6 cm)/Color 1,555,200 dots equivalent

**DIOPTER ADJUSTMENT**

Yes (-4.0 to +3.0 mstyle name="sup"-1/style)

LCD

**SCREEN TYPE**

3.0 type (3.0") Xtra Fine LCD™ display (921 x 600 dots) Wide (16:9)

## **MARKER/GRID DISPLAY**

Grid Line<sup>4</sup>

## **TOUCH PANEL**

Yes

## **BRIGHTNESS CONTROL**

Yes (Menu)<sup>5</sup>

## **ANGLE ADJUSTMENT**

Opening Angle: max. 90 deg., Turning Angle: max. 270 deg.

Image Stabilization

## **IMAGE STABILIZATION TYPE**

Balanced Optical SteadyShot w/ Intelligent Active mode (5-axis)<sup>6</sup>

Focus

## **MANUAL FOCUS ASSIST**

Magnified display for precise manual focus, Peaking Display

## **FOCUS AREA**

Full range Focus/Spot Focus

## **FAST INTELLIGENT AF**

Yes

## **FOCUS TYPE**

Contrast AF

## **LOCK-ON AF**

Yes<sup>7</sup>

## **FOCUS MODE**

Auto/Manual (Touch Panel/Ring)

Exposure

## **EXPOSURE COMPENSATION**

AE Shift (Touch Panel/Ring)

## **BACKLIGHT COMPENSATION**

Yes (Auto)

## **MANUAL IRIS CONTROL**

F2.0-F11

## **GAIN CONTROL**

Auto

## **LOW LUX MODE**

Yes

## **MANUAL EXPOSURE ASSIST**

Zebra Pattern Display

## **AUTO IRIS CONTROL**

F2.0-F11

## **METERING MODES**

Multi-segment/Spot

## **MODE**

Auto, Flexible Spot (Touch Panel), Manual (Menu/Ring)

## **MINIMUM ILLUMINATION**

4K: Standard: 9 lux (1/60 Shutter Speed) HD: Standard: 6 lux (1/60 Shutter Speed), 4K: Low Lux 1.8 lux (1/30 Shutter Speed) HD: Low Lux 1.2 lux (1/30 Shutter Speed), NightShot: 0 lux (1/60 Shutter Speed)

## **AGC LIMIT**

Yes

Shutter Speed

## **MANUAL SHUTTER**

1/8-1/10000

## **MANUAL IRIS CONTROL (PHOTO MODE)**

1/30-1/10000

## **SMOOTH SLOW**

1/250-1/10000

## **STANDARD**

1/60-1/10000

## **AUTO CONTROL RANGE**

1/8-1/10000

White Balance

## **WHITE BALANCE SHIFT**

Yes

## **WHITE BALANCE MODES**

Auto/Onepush/Outdoor/Indoor

Flash

## **FLASH COMPENSATION**

Yes (3 steps) <sup>8</sup>

## **FLASH MODE**

Auto/On/OFF <sup>8</sup>

## **FLASH METERING SYSTEM**

Pre-flash TTL <sup>8</sup>

Storage Media

## **MEDIA TYPE**

XAVC S 4K (100 Mbps): SDHC Memory Card (4 GB or over, UHS-I U3 or Higher)/SDXC Memory Card (UHS-I U3 or Higher), XAVC S 4K (60 Mbps): SDHC Memory Card (4 GB or over, Class 10 or Higher)/SDXC Memory Card (Class 10 or Higher), XAVC S HD: SDHC Memory Card (4 GB or over, Class 10 or Higher)/SDXC Memory Card (Class 10 or Higher), AVCHD, Still: Memory Stick PRO Duo™ (Mark 2), Memory Stick PRO-HG Duo™, Memory Stick XC-HG Duo™, SD/SDHC/SDXC Memory Card (Class 4 or Higher)

Recording

## **STILL IMAGE SIZE (MOVIE MODE)**

M: 8.3 Megapixels 16:9 (3840 x 2160), S: 2.1 Megapixels 16:9 (1920 x 1080)

## **STILL IMAGE SIZE (PHOTO CAPTURE)**

XAVC S 4K: 8.3 Megapixels 16:9 (3840 x 2160), XAVC S HD: 2.1 Megapixels 16:9 (1920 x 1080), AVCHD: 2.1 Megapixels 16:9 (1920 x 1080)

## **STILL IMAGE SIZE (DUAL RECORD)**

M: 8.3 Megapixels 16:9 (3840 x 2160) <sup>9</sup>, S: 2.1 Megapixels 16:9 (1920 x 1080) <sup>7 10 9</sup>

## **RECORDING FORMAT (VIDEO)**

XAVC S format:MPEG4-AVC/H.264, AVCHD format ver. 2.0 compatible:MPEG4-AVC/H.264, MP4: MPEG-4 AVC/H.264

## **VIDEO RESOLUTION**

XAVC S 4K: 3840 x 2160/30p, 24p, XAVC S HD: 1920 x 1080/60p, 30p, 24p, AVCHD: 1920 x 1080/60p (PS), 24p (FX, FH), 60i (FX, FH), 1440 x 1080/60i (HQ, LP), MP4: 1280 x 720 30p

## **RECORDING FORMAT (STILL IMAGE)**

JPEG (DCF Ver. 2.0, Exif Ver. 2.3, MPF Baseline-compliant)

## **STILL IMAGE SIZE (PHOTO MODE)**

L: 16.6 Megapixels 16:9 (5440 x 3056), 12.5 Megapixels 4:3 (4080 x 3056), M: 8.3 Megapixels 16:9 (3840 x 2160), 6.2 Megapixels 4:3 (2880 x 2160), S: 2.1 Megapixels 16:9 (1920 x 1080), 0.3 Megapixels 4:3 (640 x 480)

## **STILL IMAGE SIZE (TIME-LAPSE CAPTURE)**

4K: L (8.3 M, 3840 x 2160)/HD: S (2.1 M, 1920 x 1080)

## **VIDEO RECORDING RATE (ABR / VBR)**

XAVC S 4K: approx. 100 Mbps<sup>11</sup>, XAVC S 4K: approx. 60 Mbps<sup>11</sup>, XAVC S HD: approx. 50 Mbps<sup>11</sup>, AVCHD PS: approx. 28 Mbps/FX: approx. 24 Mbps/FH: approx. 17 Mbps/HQ: approx. 9 Mbps/LP: approx. 5 Mbps<sup>11 12</sup>, MP4: approx. 3 Mbps<sup>11</sup>

Audio

## **AUTO WIND NOISE REDUCTION**

Yes (On/Off)

## **MICROPHONE**

Built-in Zoom Microphone

## **SPEAKER**

Monaural Speaker

## **MY VOICE CANCELING**

Yes

## **AUDIO RECORDING FORMAT**

MPEG-4 Linear PCM 2ch (48 kHz/16 bit)<sup>13</sup>, Dolby Digital 5.1ch, Dolby Digital 5.1Creator<sup>14</sup>, Dolby Digital 2ch Stereo, Dolby Digital Stereo Creator<sup>14</sup>, MPEG-4 AAC-LC 2ch<sup>15</sup>

## **MIC LEVEL CONTROL**

Yes (31 steps)

Advanced Feature

## **SCENE SELECTION**

Auto/Night Scene/Sunrise & Sunset/Fireworks/Landscape/Portrait/Spotlight/Beach/Snow

## **TIME-LAPSE CAPTURE**

Yes, Shooting Interval (1/2/5/10/30/60sec), Shot Number (1-999), Capture Image Size (4K:L(8.3M, 3840 x 2160)/HD: S (2.1 M, 1920 x 1080)), AE Mode (AE Lock/AE Tracking)

## **HIGH SPEED REC**

Yes (120p/1920 x 1080, 100/60 Mbps)

## **OTHER FEATURES**

Face Detection<sup>7</sup>, Cinematone, Golf Shot<sup>14</sup>, Smooth Slow Rec<sup>14</sup>, Fader Effect(s)

(White/Black)<sup>16</sup>, Intelligent Auto

(Portrait/Baby/Walk/Tripod/Backlight/Landscape/Spotlight/Twilight/Macro/Low light/Auto

wind noise reduction), Smile Shutter (Off/Dual Capture/Always On)<sup>7 10 9</sup>, Red Eye Reduction

(Yes<sup>8</sup>), Direct Copy

## **TIME CODE/USER BIT**

Yes

## **NIGHTSHOT INFRARED SYSTEM**

Yes

Playback

## **SLIDE SHOW (STILL IMAGE)**

Slideshow

## **SLOW PLAYBACK**

Forward: 1/5 speed, Reverse: 1/2 speed

## **TRIMMING PLAYBACK**

Yes

## **MOTION SHOT VIDEO**

Yes<sup>17</sup>

## **FAST PLAYBACK**

About 5 times/10 times/30 times/60 times

## **HIGHLIGHT MOVIE MAKER**

Yes<sup>14</sup>, Highlight background music (Preinstalled 6 music files, Music transfer compatible<sup>18</sup>)

Wireless Function

## **WI-FI®**

Yes (Wi-Fi Compatible, IEEE 802.11b/g/n (2.4 GHz band))<sup>19</sup>

## **MULTI CAMERA CONTROL**

yes

## **NFC™**

Yes (NFC forum Type 3 Tag compatible)

## **LIVE STREAMING**

yes<sup>20</sup>

Terminal / Shoe

## **STD OUTPUT**

Composite Video Out (AV CABLE (sold separately))

## **MULTI/MICRO USB TERMINAL**

Yes<sup>21</sup>

## **MICROPHONE INPUT**

Stereo minijack

## **MEMORY CARD SLOT**

Memory Stick PRO Duo™ and SD/SDHC/SDXC compatible

## **ACCESSORY SHOE**

Yes (Multi Interface Shoe)

## **REMOTE TERMINAL**

integrated into Multi/Micro USB Terminal<sup>21</sup>

## **HEADPHONE JACK**

Stereo minijack

## **DC IN**



Yes

HDMI TERMINAL

Yes (HDMI micro)<sup>22</sup>

Power

### **CHARGE ON CAMCORDER (CHARGING TIME WITH SUPPLIED BATTERY)**

Yes (approx. 3h 25min)<sup>23</sup>

### **POWER CONSUMPTION (VIEWFINDER)**

4 K: 4.9 W<sup>24</sup>

### **POWER REQUIREMENTS**

6.8 V/7.3 V (battery pack), 8.4 V (AC Adapter)

### **BATTERY TYPE**

InfoLITHIUM with AccuPower Meter System (V Series)<sup>25</sup>

### **POWER CONSUMPTION (LCD)**

4 K: 4.9 W<sup>24</sup>

### **USB CHARGING**

DC 5 V 1500 mA

Size & Weight

### **DIMENSIONS (W X H X D) (INCLUDING SUPPLIED BATTERY)**

Approx. 2 7/8" x 3 1/4" x 6 3/8" (Approx. 2 7/8" x 3 1/4" x 6 5/8" (NP-FV70)/Approx. 2 7/8" x 3 1/4" x 6 7/8" (NP-FV70A) (including supplied battery))<sup>26 27</sup>, Approx. 73 mm x 80.5 mm x 161 mm (Approx. 73 mm x 80.5 mm x 166.5 mm (NP-FV70)/Approx. 73 mm x 80.5 mm x 173 mm (NP-FV70A) (including supplied battery))<sup>26 27</sup>

### **WEIGHT (INCLUDING SUPPLIED BATTERY)**

Approx. 1 lb 4.6 oz (NP-FV50A)<sup>28</sup>, Approx. 1 lb 6.4 oz (NP-FV70)/Approx. 1 lb 6 oz (NP-FV70A) (supplied battery)<sup>28</sup>, Approx. 1 lb 8.0 oz (NP-FV100A)<sup>28</sup>, Approx. 585 g (NP-FV50A)<sup>28</sup>, Approx. 635 g (NP-FV70)/Approx. 625 g (NP-FV70A) (supplied battery)<sup>28</sup>, Approx. 680 g (NP-FV100A)<sup>28</sup>

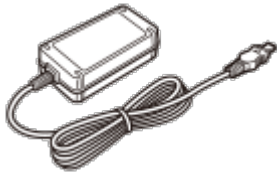
### **WEIGHT (MAIN UNIT ONLY)**

Approx. 1 lb 2.9 oz, Approx. 535 g

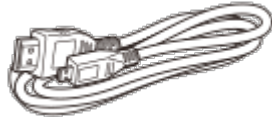
## What's Included

Camcorder (1)

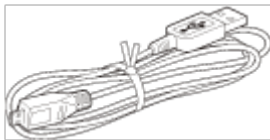
AC Adaptor (1)



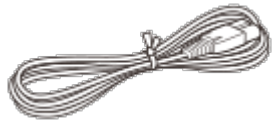
HDMI cable (1)



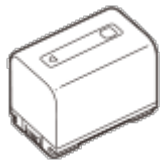
Micro USB cable (1)



Power cord (mains lead) (1)



Rechargeable battery pack NP-FV70 (1)



When using this product while connected to a wall outlet (wall socket), such as while charging, make sure to attach the battery pack to this product.

## Attachments

- [sony-handcam.webp \(39.63 KB\)](#)