

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)¹

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)¹

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

250x²

OPTICAL ZOOM

20x

CLEAR IMAGE ZOOM

4K: 30x HD: 40x³

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 Line⁴

TOUCH PANEL

Yes

BRIGHTNESS CONTROL

Yes (Menu)⁵

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)⁶

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

Yes⁷

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) ⁸

FLASH MODE

Auto/On/OFF ⁸

FLASH METERING SYSTEM

Pre-flash TTL ⁸

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)⁹, S: 2.1 Megapixels 16:9 (1920 x 1080)^{7 10 9}

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 Mbps¹¹, XAVC S 4K: approx. 60 Mbps¹¹, XAVC S HD: approx. 50 Mbps¹¹, AVCHD PS: approx. 28 Mbps/FX: approx. 24 Mbps/FH: approx. 17 Mbps/HQ: approx. 9 Mbps/LP: approx. 5 Mbps^{11 12}, MP4: approx. 3 Mbps¹¹

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)¹³, Dolby Digital 5.1ch, Dolby Digital 5.1Creator¹⁴, Dolby Digital 2ch Stereo, Dolby Digital Stereo Creator¹⁴, MPEG-4 AAC-LC 2ch¹⁵

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 Detection⁷, Cinematone, Golf Shot¹⁴, Smooth Slow Rec¹⁴, Fader Effect(s)

(White/Black)¹⁶, Intelligent Auto

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

wind noise reduction), Smile Shutter (Off/Dual Capture/Always On)^{7,10,9}, Red Eye Reduction

(Yes⁸), 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

Yes¹⁷

FAST PLAYBACK

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

HIGHLIGHT MOVIE MAKER

Yes¹⁴, Highlight background music (Preinstalled 6 music files, Music transfer compatible¹⁸)

Wireless Function

WI-FI®

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

MULTI CAMERA CONTROL

yes

NFC™

Yes (NFC forum Type 3 Tag compatible)

LIVE STREAMING

yes²⁰

Terminal / Shoe

STD OUTPUT

Composite Video Out (AV CABLE (sold separately))

MULTI/MICRO USB TERMINAL

Yes²¹

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 Terminal²¹

HEADPHONE JACK

Stereo minijack

DC IN

Yes

HDMI TERMINAL

Yes (HDMI micro)²²

Power

CHARGE ON CAMCORDER (CHARGING TIME WITH SUPPLIED BATTERY)

Yes (approx. 3h 25min)²³

POWER CONSUMPTION (VIEWFINDER)

4 K: 4.9 W²⁴

POWER REQUIREMENTS

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

BATTERY TYPE

InfoLITHIUM with AccuPower Meter System (V Series)²⁵

POWER CONSUMPTION (LCD)

4 K: 4.9 W²⁴

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))^{26 27}, 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))^{26 27}

WEIGHT (INCLUDING SUPPLIED BATTERY)

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

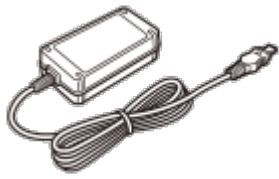
WEIGHT (MAIN UNIT ONLY)

Approx. 1 lb 2.9 oz, Approx. 535 g

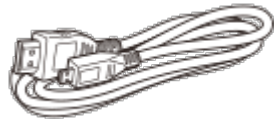
What's Included

Camcorder (1)

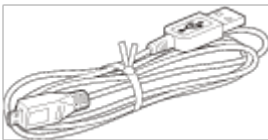
AC Adaptor (1)



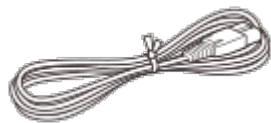
HDMI cable (1)



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 \(39.63 KB\)](#)