



α7 IV
ILCE-7M4



Main Specification

TYPE

35 mm full frame (35.9 x 23.9 mm), Exmor R CMOS sensor

NUMBER OF PIXELS (EFFECTIVE)

Approx. 33.0 megapixels

ISO SENSITIVITY (RECOMMENDED EXPOSURE INDEX)

Still images: ISO 100-51200 (ISO numbers from ISO 50 to ISO 204800 can be set as expanded ISO range.), AUTO (ISO 100-12800, selectable lower limit and upper limit),
Movies: ISO 100-51200 equivalent (ISO numbers up to ISO 102400 can be set as expanded ISO range.), AUTO (ISO 100-12800, selectable lower limit and upper limit)

STILL IMAGES

Approx. 520 shots (Viewfinder) / approx. 580 shots (LCD monitor) (CIPA standard)

WITH BATTERY AND MEMORY CARD INCLUDED

Approx. 658 g

DIMENSIONS (W X H X D)

Approx. 131.3 mm x 96.4 mm x 79.8 mm, Approx. 131.3 mm x 96.4 mm x 69.7 mm (FROM GRIP TO MONITOR)

Full Specification

USB TERMINAL

Multi/Micro USB SuperSpeed USB 10 Gbps (USB 3.2) compatible

General

CAMERA TYPE

Interchangeable lens digital camera

LENS MOUNT

E-mount

Image sensor

TYPE

35 mm full frame (35.9 x 23.9 mm), Exmor R CMOS sensor

NUMBER OF PIXELS (EFFECTIVE)

Approx. 33.0 megapixels

NUMBER OF PIXELS (TOTAL)

Approx. 34.1 megapixels

IMAGE SENSOR ASPECT RATIO

3:2

COLOR FILTER

R, G, B primary color

ANTI-DUST FUNCTION

Yes (Charge protection coating on optical filter and image sensor shift mechanism)

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]

35 mm full frame L: 7008 x 4672 (33 M), M: 4608 x 3072 (14 M), S: 3504 x 2336 (8.2 M), APS-C M: 4608 x 3072 (14 M), S: 3504 x 2336 (8.2 M)

IMAGE SIZE (PIXELS) [4:3]

35 mm full frame L: 6224 x 4672 (29 M), M: 4096 x 3072 (13 M), S: 3120 x 2336 (7.3 M), APS-C M: 4096 x 3072 (13 M), S: 3120 x 2336 (7.3 M)

IMAGE SIZE (PIXELS) [16:9]

35 mm full frame L: 7008 x 3944 (28 M), M: 4608 x 2592 (12 M), S: 3504 x 1968 (6.9 M), APS-C M: 4608 x 2592 (12 M), S: 3504 x 1968 (6.9 M)

IMAGE SIZE (PIXELS) [1:1]

35 mm full frame L: 4672 x 4672 (22 M), M: 3072 x 3072 (9.4 M), S: 2336 x 2336 (5.5 M), APS-C M: 3072 x 3072 (9.4 M), S: 2336 x 2336 (5.5 M)

IMAGE SIZE (PIXELS) [SWEEP PANORAMA]

-

IMAGE QUALITY MODES

RAW (Compressed / Lossless Compressed (L / M / S) / Uncompressed) JPEG (Extra fine / Fine / Standard / Light) HEIF (4:2:0 / 4:2:2) (Extra fine / Fine / Standard / Light) RAW & JPEG RAW & HEIF

14BIT RAW

Yes

PICTURE EFFECT

-

CREATIVE STYLE

-

CREATIVE LOOK

ST, PT, NT, VV, VV2, FL, IN, SH, BW, SE, Custom Look (1-6)

PICTURE PROFILE

Yes (Off / PP1-PP11) Parameters: Black level, Gamma (Movie, Still, S-Cinetone, Cine1-4, ITU709, ITU709 [800%], S-Log2, S-Log3, HLG, HLG1-3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset

SOFT SKIN EFFECT

Yes

DYNAMIC RANGE FUNCTIONS

Off, Dynamic Range Optimizer

COLOR SPACE

sRGB standard (with sYCC gamut), Adobe RGB standard and Rec. ITU-R BT.2100 standard (BT.2020 gamut).

When [HLG Still Image] setting is set to [On].

Recording system (movie)

RECORDING FORMAT

XAVC S XAVC HS

VIDEO COMPRESSION

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

AUDIO RECORDING FORMAT

LPCM 2 ch(48 kHz 16 bit), LPCM 2 ch(48 kHz 24 bit), -
LPCM 4 ch(48 kHz 24 bit), MPEG-4 AAC-LC 2 ch

*When using accessories that support 4ch output/24bits with the Multi Interface Shoe.
Proxy movies*

PICTURE EFFECT

CREATIVE LOOK

ST, PT, NT, VV, VV2, FL, IN, SH, BW, SE, Custom Look (1-6)

CREATIVE STYLE

-

PICTURE PROFILE

Yes (Off / PP1-PP11) Parameters: Black level, Gamma (Movie, Still, S-Cinetone, Cine1-4, ITU709, ITU709 [800%], S-Log2, S-Log3, HLG, HLG1-3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset

SOFT SKIN EFFECT

Yes

COLOR SPACE

Rec. ITU-R BT.2100 standard compatible (BT.2020 gamut)

When [Gamma] is set to [HLG] and [Color Mode] is set to [BT.2020] in [Picture Profile].

Movie recording system (XAVC HS 8K)

7680 X 4320 (4:2:0, 10BIT, NTSC) (APPROX.)

-

7680 X 4320 (4:2:0, 10BIT, PAL) (APPROX.)

-

7680 X 4320 (4:2:2, 10BIT, NTSC) (APPROX.)

-

7680 X 4320 (4:2:2, 10BIT, PAL) (APPROX.)

-

Movie recording system (XAVC HS 4K)

3840 X 2160 (4:2:0, 10BIT, NTSC) (APPROX.)

60p (150 Mbps / 75 Mbps / 45 Mbps) 24p (100 Mbps / 50 Mbps / 30 Mbps)

*[APS-C S35shooting] is locked to [On] when shooting movies in 4K 60p/50p.
120p: 119.88fps, 60p: 59.94fps, 30p: 29.97fps, 24p: 23.98fps*

3840 X 2160 (4:2:0, 10BIT, PAL) (APPROX.)

50p (150 Mbps / 75 Mbps / 45 Mbps)

[APS-CS35shooting] is locked to [On] when shooting movies in 4K 60p/50p.

3840 X 2160 (4:2:2, 10BIT, NTSC) (APPROX.)

60p (200 Mbps / 100 Mbps) 24p (100 Mbps / 50 Mbps)

*[APS-C S35shooting] is locked to [On] when shooting movies in 4K 60p/50p.
120p: 119.88fps, 60p: 59.94fps, 30p: 29.97fps, 24p: 23.98fps*

3840 X 2160 (4:2:2, 10BIT, PAL) (APPROX.)

50p (200 Mbps / 100 Mbps)

[APS-CS35shooting] is locked to [On] when shooting movies in 4K 60p/50p.

Movie recording system (XAVC S 4K)

3840 X 2160 (4:2:0, 8BIT, NTSC) (APPROX.)

60p (150 Mbps) 30p (100 Mbps / 60 Mbps) 24p (100 Mbps / 60 Mbps)

*[APS-C S35shooting] is locked to [On] when shooting movies in 4K 60p/50p.
120p: 119.88fps, 60p: 59.94fps, 30p: 29.97fps, 24p: 23.98fps*

3840 X 2160 (4:2:0, 8BIT, PAL) (APPROX.)

50p (150 Mbps) 25p (100 Mbps / 60 Mbps)

[APS-CS35shooting] is locked to [On] when shooting movies in 4K 60p/50p.

3840 X 2160 (4:2:2, 10BIT, NTSC) (APPROX.)

60p (200 Mbps) 30p (140 Mbps) 24p (100 Mbps)

*[APS-C S35shooting] is locked to [On] when shooting movies in 4K 60p/50p.
120p: 119.88fps, 60p: 59.94fps, 30p: 29.97fps, 24p: 23.98fps*

3840 X 2160 (4:2:2, 10BIT, PAL) (APPROX.)

50p (200 Mbps) 25p (140 Mbps)

[APS-CS35shooting] is locked to [On] when shooting movies in 4K 60p/50p.

Movie recording system (XAVC S HD)

1920 X 1080 (4:2:0, 8BIT, NTSC) (APPROX.)
 120p (100 Mbps / 60 Mbps) 60p (50 Mbps / 25 Mbps)
 30p (50 Mbps / 16 Mbps) 24p (50 Mbps)
 When [APS-C S35 shooting] is set to [On], number of effective pixels: 1570 x 886 at 120 or 100 fps.
 120p: 119.88fps, 60p: 59.94fps, 30p: 29.97fps, 24p: 23.98fps

1920 X 1080 (4:2:0, 8BIT, PAL) (APPROX.)
 100p (100 Mbps / 60 Mbps) 50p (50 Mbps / 25 Mbps)
 25p (50 Mbps / 16 Mbps)

1920 X 1080 (4:2:2, 10BIT, NTSC) (APPROX.)
 60p (50 Mbps) 30p (50 Mbps) 24p (50 Mbps)
 120p: 119.88fps, 60p: 59.94fps, 30p: 29.97fps, 24p: 23.98fps

1920 X 1080 (4:2:2, 10BIT, PAL) (APPROX.)
 50p (50 Mbps) 25p (50 Mbps)

Movie recording system (XAVC S-I 4K)

3840 X 2160 (4:2:2, 10BIT, NTSC) (APPROX.)
 60p (600 Mbps) 30p (300 Mbps) 24p (240 Mbps)
 [APS-C S35 shooting] is locked to [On] when shooting movies in 4K
 60p/50p.
 120p: 119.88fps, 60p: 59.94fps, 30p: 29.97fps, 24p: 23.98fps

3840 X 2160 (4:2:2, 10BIT, PAL) (APPROX.)
 50p (500 Mbps) 25p (250 Mbps)
 [APS-C S35 shooting] is locked to [On] when shooting movies in 4K
 60p/50p.

Movie recording system (XAVC S-I HD)

1920 X 1080 (4:2:2, 10BIT, NTSC) (APPROX.)
 60p (222 Mbps) 30p (111 Mbps) 24p (89 Mbps)
 120p: 119.88fps, 60p: 59.94fps, 30p: 29.97fps, 24p: 23.98fps

1920 X 1080 (4:2:2, 10BIT, PAL) (APPROX.)
 50p (185 Mbps) 25p (93 Mbps)

Movie recording system (AVCHD)

1920 X 1080 (4:2:0, 8BIT, NTSC)
 -

1920 X 1080 (4:2:0, 8BIT, PAL)
 -

Slow & Quick Motion (S&Q)

IMAGE FRAME RATE
 NTSC mode:
 1fps, 2fps, 4fps, 8fps, 15fps, 30fps, 60fps, 120fps
 PAL mode: 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps
 When [APS-C S35 shooting] is set to [On], number of effective pixels: 1570 x 886 at 120 or 100 fps.
 120 or 100 fps is not available when using [XAVC HS 4K], [XAVC S 4K], or [XAVC S-I 4K] file formats.

Movie function

AUDIO LEVEL DISPLAY
 Yes

AUDIO REC LEVEL
 Yes

PAL/NTSC SELECTOR
 Yes

PROXY RECORDING
 Yes (1280 x 720 (Approx. 6 Mbps), 1920 x 1080 (Approx. 9 Mbps), 1920 x 1080 (Approx. 16 Mbps))

TC/UB
 Yes

AUTO SLOW SHUTTER
 Yes

GAMMA DISP. ASSIST
 Yes

RAW OUTPUT
 -

Recording system

LOCATION INFORMATION LINK FROM SMARTPHONE

Yes

MEDIA

SD memory card SDHC memory card (UHS-I/II compliant) SDXC memory card (UHS-I/II compliant) CFexpress Type A memory card

MEMORY CARD SLOT

SLOT1: Multi slot for SD (UHS-I/II compliant) memory card / CFexpress Type A card, SLOT2: Slot for SD (UHS-I/II compliant) memory card

RECORDING MODE ON 2 MEMORY CARDS

Simult. Rec, Sort, Auto Switch Media, Copy

FILE SYSTEM

FAT12, 16, 32, exFAT

NOISE REDUCTION

Long exposure NR: On/Off, available at shutter speeds longer than 1 s High ISO NR: Normal / Low / Off

White balance

MODES

Auto / Daylight / Shade / Cloudy / Incandescent / Fluorescent / Flash / Underwater / Color Temperature (2500 to 9900 K) & color filter / Custom

SHUTTER AWB LOCK

Yes (Shut. Halfway Down / Cont. Shooting / Off)

Focus system

TYPE

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

FOCUS SENSOR

Exmor R CMOS sensor

FOCUS POINT

35 mm full frame: 759 points (phase-detection AF), APS-C mode with FF lens: 713 points (phase-detection AF), with APS-C lens: 575 points (phase-detection AF) / 425 points (contrast-detection AF)

SENSITIVITY RANGE

EV-4 to EV20 (ISO100 equivalent with F2.0 lens attached)

AF MODE

AF-A (Automatic AF), AF-S (Single-shot AF), AF-C (Continuous AF), DMF (Direct Manual Focus), Manual Focus

FOCUS AREA

Wide / Zone / Center Fix / Spot / Expand Spot / Tracking

EYE-START AF

-

EYE AF

[Still images] Human (Right/Left Eye Select) / Animal (Right/Left Eye Select) / Bird, [Movie] Human (Right/Left Eye Select) / Animal (Right/Left Eye Select) / Bird

OTHER FEATURES

Predictive control Focus lock 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)

AF ILLUMINATOR RANGE

Approx. 0.3 m - approx. 3.0 m (with FE 28-70 mm F3.5- 5.6 OSS lens attached)

AF MICRO ADJUSTMENT

-

Exposure control

METERING TYPE

1200-zone evaluative metering

METERING SENSOR

Exmor R CMOS sensor

METERING SENSITIVITY

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

MODES

Multi-segment Center-weighted Spot (Standard / Large) Entire Screen Avg. Highlight

EXPOSURE MODES

[Still images] Intelligent Auto (Auto) / Program Auto (P) / Aperture Priority (A) / Shutter Priority (S) / Manual Exposure (M) [Movie] Intelligent Auto (Auto) / Program Auto (P) / Aperture Priority (A) / Shutter Priority (S) / Manual Exposure (M) / Flexible Exp. Mode [Slow & Quick Motion] Intelligent Auto (Auto) / Program Auto (P) / Aperture Priority (A) / Shutter Priority (S) / Manual Exposure (M) / Flexible Exp. Mode

SCENE SELECTION

-

EXPOSURE COMPENSATION

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

BRACKETING

Bracket: Cont., Bracket: Single, 3/5/9 frames selectable. (Ambient light, Flash light)

AE LOCK

Locked when shutter button is pressed halfway. Available with AE lock button. (On/Off/Auto)

ISO SENSITIVITY (RECOMMENDED EXPOSURE INDEX)

Still images: ISO 100-51200 (ISO numbers from ISO 50 to ISO 204800 can be set as expanded ISO range.), AUTO (ISO 100-12800, selectable lower limit and upper limit), Movies: ISO 100-51200 equivalent (ISO numbers up to ISO 102400 can be set as expanded ISO range.), AUTO (ISO 100-12800, selectable lower limit and upper limit)

ANTI-FLICKER SHOOT.

Yes

Anti-flicker Shooting is not available when the [Shutter Type] setting is set to [Electronic Shutter].

Viewfinder

TYPE

1.3 cm (0.5 type) electronic viewfinder (Quad-VGA OLED)

NUMBER OF DOTS

3 686 400 dots

CONTROL FUNCTION

Brightness, Color temperature

FIELD COVERAGE

100%

MAGNIFICATION

Approx. 0.78x (with 50 mm lens at infinity, -1m^{⁻¹}

DIOPTER ADJUSTMENT

-4.0 to +3.0 m^{⁻¹}

EYE POINT

Approx. 23 mm from the eyepiece lens, 18.5 mm from the eyepiece frame at -1m^{⁻¹ (CIPA standard)}

DISPLAY FUNCTION

Histogram, Real-time image-adjustment display, Digital level gauge, Grid line, Focus check, Peaking MF, Zebra, Movie marker, Emphasized display during REC

FINDER FRAME RATE SELECTION

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

LCD screen

TYPE

7.5 cm (3.0-type) type TFT

TOUCH PANEL

Yes

NUMBER OF DOTS (TOTAL)

1 036 800 dots

BRIGHTNESS CONTROL

Manual (5 steps between -2 and +2), Sunny Weather mode

DISPLAY FUNCTION

Histogram, Real-time image-adjustment display, Digital level gauge, Grid line, Focus check, Peaking MF, Zebra, Movie marker, For viewfinder, Monitor Off, Emphasized display during REC

ADJUSTABLE ANGLE

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

FOCUS CHECK

Yes, Focus Magnifier (35 mm full frame: 5.5x / 11.0x, APS-C: 3.6x / 7.2x)

LCD panel

TOP PANEL

-

Face detection

MODES

Face/Eye Priority in AF, Face Priority in Multi Metering, Regist. Faces Priority

Auto Object Framing

STILL IMAGES

-

Other features

INTERVAL RECORDING Yes	SMILE SHUTTER -
TOUCH SHUTTER -	TOUCH FOCUS -
SELF-PORTRAIT SELF-TIMER -	PRODUCT SHOWCASE SET -
BACKGROUND DEFOCUS -	ISO AUTO MIN. SS Yes
BRIGHT MONITORING Yes	COPYRIGHT INFO Yes
SET FILE NAME Yes	SAVE/IMPORT SETTINGS Yes
FTP TRANSFER FUNC. -	PLAYMEMORIES CAMERA APPS -
SHOOTING TIPS -	HELP GUIDE Yes
CLOCK FUNCTION,SETTING -	AREA SETTING -
SHOP FRONT MODE -	VIDEO LIGHT MODE Yes
ZOOM RING ROTATE Yes	EYE-FI READY <i>Eye-Fi cards can be used only in the countries where they are purchased. Use Eye-Fi cards in accordance with the law of the countries where the cards were purchased.</i> -

Clear Image Zoom

STILL IMAGES Approx. 2x	MOVIES Approx. 1.5x (4K), Approx. 2x (HD)
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Digital zoom

SMART ZOOM (STILL IMAGES) 35 mm full frame: M: approx. 1.5x, S: approx. 2x APS-C: S: approx. 1.3x	DIGITAL ZOOM (STILL IMAGES) 35 mm full frame: L: approx. 4x, M: approx. 6.1x, S: approx. 8x APS-C: M: approx. 4x, S: approx. 5.3x
DIGITAL ZOOM (MOVIE) 35 mm full frame: approx. 4x APS-C: approx. 4x	

Shutter

TYPE Electronically-controlled, vertical-traverse, focal-plane type	SHUTTER TYPE Mechanical shutter / Electronic shutter
SHUTTER SPEED Still images: 1/8000 to 30 s, Bulb, Movies: 1/8000 to 1/4 (1/3 steps), up to 1/50 in AUTO mode (up to 1/25 in Auto slow shutter mode)	FLASH SYNC. SPEED <i>With compatible Sony external flash</i> 1/250 s (35 mm full frame), 1/320 s (APS-C)
ELECTRONIC FRONT SHUTTER CURTAIN Yes (ON/OFF)	SILENT SHOOTING Yes (ON/OFF)

SteadyShot INSIDE (image stabilization)

TYPE

Image Sensor-Shift mechanism with 5-axis compensation (Compensation depends on lens specifications)

COMPENSATION EFFECT (STILL IMAGES)

5.5 stops (based on CIPA standard. Pitch/yaw shake only. With Planar T* FE 50 mm F1.4 ZA lens mounted. Long exposure NR off.)

MODE

[Still images] On / Off, [Movie] Active / Standard / Off

Flash

TYPE

-

GUIDE NO.

-

FLASH COVERAGE

-

CONTROL

Pre-flash TTL
Aflashcannotbeused when [Shutter Type] is set to [Electronic Shutter].

FLASH COMPENSATION

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

FLASH MODES

Flash off Autoflash Fill-flash Slow Sync. Rear Sync. Red-eye reduction (on/off selectable) Wireless Hi-speed sync.
With compatible external flash

RECYCLING TIME

-

EXTERNAL FLASH

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

FE LEVEL LOCK

Yes

WIRELESS CONTROL

Yes (Light signal: Available with Fill-flash, Slow Sync., Hi-speed sync. / Radio signal: Available with Fill-flash, Rear Sync., Slow Sync., Hi-speed sync.)

Drive

DRIVE MODES

Single Shooting Continuous shooting (Hi+/Hi/Mid/Lo selectable) Self-timer Self-timer (Cont.) Bracket: Single Bracket: Cont. White Balance bracket DRO bracket

SELF-TIMER

10 s delay / 5 s delay / 2 s delay / Continuous self-time / Bracketing self-timer

PIXEL SHIFT MULTI SHOOTING

-

SPEED (APPROX., MAX.)

Varies according to shooting conditions or memory card used
Continuous shooting: Hi+: 10 fps, Hi: 8 fps, Mid: 6 fps, Lo: 3 fps

NO. OF FRAME RECORDABLE* (APPROX.)

Varies according to shooting conditions or memory card used
JPEG Extra fine L: over 1000 frames JPEG Fine L: over 1000 frames JPEG Standard L: over 1000 frames RAW: over 1000 frames RAW & JPEG: over 1000 frames RAW (Lossless Compressed): over 1000 frames RAW (Lossless Compressed) & JPEG: over 1000 frames RAW (Uncompressed): over 1000 frames RAW (Uncompressed) & JPEG: 828 frames

Playback

MODES

Single (with or without shooting information Y RGB histogram & highlight / shadow warning) Index view Enlarged display mode (L: 19.5x, M: 12.8x, S: 9.7x) Auto Review Image orientation Folder selection (Date / Still / Movie) Protect Rating Display as Group Shot Mark (Movie) Divider Frame Crop

PHOTO CAPTURE

Yes

Accessibility

SCREEN READER

-

Interface

PC INTERFACE
Mass-storage / MTP

USB TYPE-C® TERMINAL
Yes (SuperSpeed USB 10 Gbps (USB 3.2) compatible)

SYNC. TERMINAL
-

BLUETOOTH
Yes (Bluetooth Standard Ver. 4.1 (2.4 GHz band))

MULTI INTERFACE SHOE
Sony accessories for the Accessory Shoe can be attached.
Yes (with Digital Audio Interface)

HEADPHONE TERMINAL
Yes (3.5 mm Stereo minijack)

REMOTE CONTROL (WIRELESS)
Yes (Bluetooth remote control)

LAN TERMINAL
-

MULTI / MICRO USB TERMINAL
Supports Micro USB compatible device.
Yes

NFC
-

WIRELESS LAN(BUILT-IN)
Yes (Wi-Fi Compatible, IEEE 802.11a/b/g/n/ac (2.4 GHz band/5 GHz band))
Models sold in some countries/regions support IEEE802.11b/g/n(2.4GHz) wireless LAN only.
(Configuration method/Access method) WPS or manually /infrastructure mode. When connecting to smartphones, the camera can always work as a base without a wireless access point. (Security: WEP/WPA-PSK/WPA2-PSK/WPA3-SAE)

HDMI CONNECTOR
HDMI connector (Type-A) 3840 x 2160 (60p / 50p / 30p / 25p / 24p) / 1920 x 1080 (60p / 50p / 24p) / 1920 x 1080 (60i / 50i), YCbCr 4:2:2 10 bit / RGB 8 bit
120p: 119.88fps, 60p: 59.94fps, 30p: 29.97fps, 24p: 23.98fps

MIC TERMINAL
Yes (3.5 mm Stereo minijack)

WIRED
-

VERTICAL GRIP CONNECTOR
Yes

FUNCTIONS
FTP Transfer Func.(Wired LAN(USB-LAN), USB Tethering, Wi-Fi) View on Smartphone Remote control via Smartphone PC Remote BRAVIA Sync (Control for HDMI) PhotoTV HD

USB Streaming

VIDEO DATA FORMAT
MJPEG YUV420
When [Resolution] is set to [HD(720p)], [MJPEG] is only available.

AUDIO DATA FORMAT
LPCM 2ch (16 bit 48 kHz)

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

SIMULTANEOUS INTERNAL RECORDING
Yes

Audio

MICROPHONE
Built-in, stereo

SPEAKER
Built-in, monaural

Print

COMPATIBLE STANDARDS
Exif Print, Print Image Matching III

Custom function

CUSTOM KEY SETTINGS
Yes

MY DIAL SETTINGS
Yes

PROGRAMMABLE SETTING
Yes (Body 9 sets /memory card 12 sets)

MY MENU
Yes

REG CUST SHOOT SET
Yes

Lens compensation

LENS COMPENSATION

Peripheral Shading, Chromatic Aberration, Distortion, Breathing (Movie)

Power

BATTERY

One rechargeable battery pack NP-FZ100

STILL IMAGES

The LCD screen is turned on, shot once every 30 seconds, operate zoom alternately between W and T ends, flash strobe once every two times, turn power off and on once every ten times.
Approx. 520 shots (Viewfinder) / approx. 580 shots (LCD monitor) (CIPA standard)

MOVIES (ACTUAL RECORDING)

Indication recording time, which is defined by repeating the cycle: Power on, start recording, zoom, stand-by and power off.
Approx. 100 min (Viewfinder) / Approx. 110 min (LCD monitor) (CIPA standard)

MOVIES (CONTINUOUS RECORDING)

Approx. 170 min (Viewfinder) / Approx. 175 min (LCD monitor) (CIPA standard)

INTERNAL BATTERY CHARGE

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

USB POWER SUPPLY

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

EXTERNAL POWER (AC ADAPTOR)

-

Power consumption

WITH VIEWFINDER

Still images: approx. 3.8 W (with FE 28-70 mm F3.5-5.6 OSS lens attached), Movies: approx. 5.7 W (with FE 28-70 mm F3.5-5.6 OSS lens attached)

WITH LCD SCREEN

Still images: approx. 3.4 W (with FE 28-70 mm F3.5-5.6 OSS lens attached), Movies: approx. 5.6 W (with FE 28-70 mm F3.5-5.6 OSS lens attached)

Weight

WITH BATTERY AND MEMORY CARD INCLUDED

Approx. 658 g

OZ. WITH BATTERY AND MEMORY CARD INCLUDED

approx. 1 lb 7.3 oz

BODY ONLY

Approx. 573 g

OZ BODY ONLY

approx. 1 lb 4.3 oz

Dimensions

DIMENSIONS (W X H X D)

Approx. 131.3 mm x 96.4 mm x 79.8 mm, Approx. 131.3 mm x 96.4 mm x 69.7 mm (FROM GRIP TO MONITOR)

INCHES. DIMENSIONS (W X H X D)

Approx. 5 1/4 x 3 7/8 x 3 1/4 inches, Approx. 5 1/4 x 3 7/8 x 2 3/4 inches (FROM GRIP TO MONITOR)

Operating Temperature

OPERATING TEMPERATURE

0 - 40 °C / 32 - 104 °F

Supplied Accessory

KIT LENS

-

SUPPLIED ACCESSORY

Rechargeable Battery NP-FZ100 AC adaptor Power cord Shoulder strap Body cap Accessory shoe cap Eyepiece cup USB-A to USB-C cable (USB 3.2)
