

# SONY

## α7R IV 35 MM FULL-FRAME CAMERA WITH 61.0 MP

### FULL SPECIFICATIONS AND FEATURES

<b>Lens</b>	<b>LENS COMPATIBILITY</b> Sony E-mount lenses	<b>LENS MOUNT</b> E-mount
<b>Image Sensor</b>	<b>ASPECT RATIO</b> 3 : 2 <b>NUMBER OF PIXELS (EFFECTIVE)</b> Approx. 61.0 megapixels <b>NUMBER OF PIXELS (TOTAL)</b> Approx. 62.5 megapixels	<b>SENSOR TYPE</b> 35 mm full frame (35.7×23.8mm), Exmor R CMOS sensor <b>ANTI-DUST SYSTEM</b> Charge protection coating on optical filter and image sensor shift mechanism

<p><b>Recording (still images)</b></p>	<p><b>RECORDING FORMAT</b></p> <p>JPEG (DCF Ver. 2.0, Exif Ver.2.31, MPF Baseline compliant), RAW (Sony ARW 2.3 format)</p> <p><b>IMAGE SIZE (PIXELS) [3:2]</b></p> <p>35 mm full frame L: 9504 x 6336 (60 M), M: 6240 x 4160 (26 M), S: 4752 x 3168 (15M) APS-C L: 6240 x 4160 (26 M), M: 4752 x 3168 (15M), S: 3120 x 2080 (6.5 M)</p> <p><b>IMAGE SIZE (PIXELS) [4:3]</b></p> <p>35 mm full frame L: 8448 x 6336 (54 M), M: 5520 x 4160 (23 M), S: 4224 x 3168 (13M) APS-C L: 5520 x 4160 (23 M), M: 4224 x 3168 (13 M), S: 2768 x 2080 (5.8 M)</p> <p><b>IMAGE SIZE (PIXELS) [16:9]</b></p> <p>35 mm full frame L: 9504 x 5344 (51 M), M: 6240 x 3512 (22 M), S: 4752 x 2672 (13M) APS-C L: 6240 x 3512 (22 M), M: 4752 x 2672 (13 M), S: 3120 x 1752 (5.5 M)</p> <p><b>IMAGE SIZE (PIXELS) [1:1]</b></p> <p>35 mm full frame L: 6336 x 6336 (40 M), M: 4160 x 4160 (17 M), S: 3168 x 3168 (10M) APS-C L: 4160 x 4160 (17 M), M: 3168 x 3168 (10M), S: 2080 x 2080 (4.3 M)</p> <p><b>IMAGE SIZE (PIXELS) [SWEEP PANORAMA]</b></p> <p>-</p> <p><b>IMAGE QUALITY MODES</b></p> <p>RAW, RAW &amp; JPEG (Extra fine, Fine, Standard), JPEG (Extra fine, Fine, Standard)</p>	<p><b>PICTURE EFFECT</b></p> <p>Posterization (Color), Posterization (B/W), Pop Color, Retro Photo, Partial Color (R/G/B/Y), High Contrast Monochrome, Toy Camera(Normal/Cool/Warm/Green/Magenta), Soft High-key</p> <p><b>CREATIVE STYLE</b></p> <p>Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn leaves, Black &amp; White, Sepia, Style Box(1-6), (Contrast (-3 to +3 steps), Saturation (-3 to +3 steps), Sharpness (-5 to +5 steps))</p> <p><b>PICTURE PROFILE</b></p> <p>Yes (Off/PP1-PP10) Parameters: Black level, Gamma (Movie, Still, 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</p> <p><b>DYNAMIC RANGE FUNCTIONS</b></p> <p>Off, Dynamic Range Optimizer (Auto/Level (1-5))</p> <p><b>COLOR SPACE</b></p> <p>sRGB standard (with sYCC gamut) and Adobe RGB standard compatible with TRILUMINOS Color</p> <p><b>14BIT RAW</b></p> <p>Yes</p> <p><b>UNCOMPRESSED RAW</b></p> <p>Yes</p>
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<p><b>Recording (movie)</b></p>	<p><b>RECORDING FORMAT</b></p> <p>XAVC S, AVCHD format Ver. 2.0 compliant</p> <p><b>VIDEO COMPRESSION</b></p> <p>XAVC S: MPEG-4 AVC/H.264, AVCHD: MPEG-4 AVC/H.264</p> <p><b>AUDIO RECORDING FORMAT</b></p> <p>XAVC S: LPCM 2ch, AVCHD: Dolby® Digital (AC-3) 2ch, Dolby® Digital Stereo Creator</p> <p><b>COLOR SPACE</b></p> <p>xvYCC standard (x.v.Color when connected via HDMI cable) compatible with TRILUMINOS Color</p> <p><b>PICTURE EFFECT</b></p> <p>7 types: Posterization (Color), Posterization (B/W), Pop Color, Retro Photo, Partial Color (R/G/B/Y), High Contrast Monochrome, Toy Camera(Normal/Cool/Warm/Green/Magenta), Soft High-key</p> <p><b>CREATIVE STYLE</b></p> <p>Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn leaves, Black &amp; White, Sepia, Style Box(1-6), (Contrast (-3 to +3 steps), Saturation (-3 to +3 steps), Sharpness (-5 to +5 steps))</p> <p><b>PICTURE PROFILE</b></p> <p>Yes (Off/PP1-PP10) Parameters: Black level, Gamma (Movie, Still, 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</p>	<p><b>IMAGE SIZE (PIXELS), NTSC</b></p> <p>XAVC S 4K: 3840 x 2160 (30p, 100 M), 3840 x 2160 (24p, 100 M), 3840 x 2160 (30p, 60 M), 3840 x 2160 (24p, 60 M), XAVC S HD: 1920 x 1080 (120p, 100M), 1920 x 1080 (120p, 60M), 1920 x 1080 (60p, 50M), 1920 x 1080 (30p, 50M), 1920 x 1080 (24p, 50M), 1920 x 1080 (60p, 25M), 1920 x 1080 (30p, 16M), AVCHD: 1920 x 1080 (60i, 24M, FX), 1920 x 1080 (60i, 17M, FH)</p> <p><b>IMAGE SIZE (PIXELS), PAL</b></p> <p>XAVC S 4K: 3840 x 2160 (25p, 100M), 3840 x 2160 (25p, 60M), XAVC S HD: 1920 x 1080 (100p, 100M), 1920 x 1080 (100p, 60M), 1920 x 1080 (50p, 50M), 1920 x 1080 (25p, 50M), 1920 x 1080 (50p, 25M), 1920 x 1080 (25p, 16M), AVCHD: 1920 x 1080 (50i, 24 M, FX), 1920 x 1080 (50i, 17 M, FH)</p> <p><b>SLOW &amp; QUICK MOTION (SHOOTING FRAME RATE)</b></p> <p>NTSC mode: 1fps, 2fps, 4fps, 8fps, 15fps, 30fps, 60fps, 120fps PAL mode: 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps</p> <p><b>SLOW &amp; QUICK MOTION (RECORDING FRAME RATE &amp; IMAGE SIZE)</b></p> <p>NTSC mode: 1920x1080 (60p, 30p, 24p), PAL mode: 1920x1080 (50p, 25p)</p> <p><b>MOVIE FUNCTIONS</b></p> <p>Audio Level Display, Audio Rec Level, PAL/NTSC Selector, Proxy Recording (1280 x 720 (Approx. 9 Mbps)), TC/UB (TC Preset/UB Preset/TC Format/TC Run/TC Make/UB Time Rec), Auto Slow Shutter, REC Control, Clean HDMI Info. (ON/OFF selectable), Gamma Disp. Assist</p> <p><b>HDMI OUTPUT</b></p> <p>3840 x 2160 (25p), 1920 x 1080 (50p), 1920 x 1080 (50i), 1920 x 1080 (24p), 1920 x 1080 (60p), 1920 x 1080 (60i), 3840 x 2160 (30p), 3840 x 2160 (24p), YCbCr 4:2:2 8 bit/RGB 8 bit</p>
<p><b>Recording System</b></p>	<p><b>LOCATION INFORMATION LINK FROM SMARTPHONE</b></p> <p>Yes</p> <p><b>MEDIA</b></p> <p>SD memory card, SDHC memory card (UHS-I/II compliant), SDXC memory card (UHS-I/II compliant), microSD memory card, microSDHC memory card, microSDXC memory card</p>	<p><b>MEMORY CARD SLOT</b></p> <p>SLOT1: Slot for SD (UHS-I/II compliant) memory card, SLOT2: Slot for SD (UHS-I/II compliant) memory card</p> <p><b>RECORDING MODE ON 2 MEMORY CARDS</b></p> <p>Simult. Rec (Still), Simult. Rec (Movie), Simult. Rec (Still/Movie), Sort (JPEG/RAW), Sort (Still/Movie), Auto Switch Media (On/Off), Copy</p>

<b>Noise Reduction</b>	<b>NOISE REDUCTION</b> Long exposure NR: On/Off, available at shutter speeds longer than 1 sec., High ISO NR: Normal/Low/Off	<b>MULTI FRAME NR</b> -
<b>White Balance</b>	<b>WHITE BALANCE MODES</b> Auto / Daylight / Shade / Cloudy / Incandescent / Fluorescent (Warm White / Cool White / Day White / Daylight) / Flash / Underwater / Color Temperature (2500 to 9900K) & color filter (G7 to M7 (57-step), A7 to B7 (29-step)) / Custom  <b>AWB MICRO ADJUSTMENT</b> Yes (G7 to M7, 57-step) (A7 to B7, 29-step)  <b>PRIORITY SET IN AWB</b> Yes	<b>SHUTTER AWB LOCK</b> Yes (Shut. Halfway Down/ Cont. Shooting/ Off)  <b>BRACKETING</b> 3 frames, H/L selectable
<b>Focus</b>	<b>FOCUS TYPE</b> Fast Hybrid AF (phase-detection AF/contrast-detection AF)  <b>FOCUS SENSOR</b> Exmor R <sup>®</sup> CMOS sensor  <b>FOCUS POINT</b> 35 mm full frame: 567 points (phase-detection AF), APS-C mode with full-frame lens: 325 points (phase-detection AF), with APS-C lens: 247 points (phase-detection AF)/425 points (contrast-detection AF)  <b>FOCUS SENSITIVITY RANGE</b> EV-3 to EV 20 (ISO 100 equivalent with F2.0 lens attached)  <b>FOCUS MODE</b> AF-A (Automatic AF), AF-S (Single-shot AF), AF-C (Continuous AF), DMF (Direct Manual Focus), Manual Focus	<b>FOCUS AREA</b> Wide (567 points (phase-detection AF), 425 points (contrast-detection AF))/Zone/Center/Flexible Spot (S/M/L)/Expanded Flexible Spot/Tacking (Wide/Zone/Center/Flexible Spot (S/M/L)/Expanded Flexible Spot)  <b>OTHER FEATURES</b> Eye-start AF (only with LA-EA2 or LA-EA4 attached (Sold separately)), Lock-on AF [Still] Human (Right/Left Eye Select)/Animal, [Movie] Human (Right/Left Eye Select), AF micro adjustment, (Sold separately), with LA-EA2 or LA-EA4, Predictive control, Focus lock, AF Track Sens, St./H AF Area, AF Area Regist., Circ. of Focus Point  <b>AF ILLUMINATOR</b> Yes (with built-in LED type)  <b>AF ILLUMINATOR RANGE</b> Approx. 0.3 m - approx. 3.0 m (with FE 28-70 mm F3.5-5.6 OSS attached)  <b>FOCUS TYPE WITH LA-EA3 (SOLD SEPARATELY)</b> phase-detection

<p><b>Exposure</b></p>	<p><b>METERING TYPE</b></p> <p>1200-zone evaluative metering</p> <p><b>METERING SENSOR</b></p> <p>Exmor R® CMOS sensor</p> <p><b>METERING SENSITIVITY</b></p> <p>EV -3 to EV 20 (at ISO100 equivalent with F2.0 lens attached)</p> <p><b>METERING MODE</b></p> <p>Multi-segment, Center-weighted, Spot, Spot Standard/Large, Entire Screen Avg., Highlight</p> <p><b>EXPOSURE COMPENSATION</b></p> <p>+/- 5.0 EV (1/3 EV, 1/2 EV steps selectable) (with exposure compensation dial: +/- 3EV (1/3 EV steps))</p> <p><b>EXPOSURE BRACKETING</b></p> <p>Bracket: Cont., Bracket: Single, 3/5/9 frames selectable. With 3 or 5 frames, in 1/3, 1/2, 2/3, 1.0, 2.0, or 3.0 EV increments, with 9 frames, in 1/3, 1/2, 2/3, or 1.0 EV increments.</p>	<p><b>AE LOCK</b></p> <p>Locked when shutter button is pressed halfway. Available with AE lock button. (On/Off/Auto)</p> <p><b>EXPOSURE MODES</b></p> <p>AUTO (iAuto), Programmed AE (P), Aperture priority (A), Shutter-speed priority (S), Manual (M), Movie (Programmed AE (P) / Aperture priority (A) / Shutter-speed priority (S) / Manual (M)), Slow &amp; Quick Motion (Programmed AE (P) / Aperture priority (A) / Shutter-speed priority (S) / Manual (M))</p> <p><b>ISO SENSITIVITY (RECOMMENDED EXPOSURE INDEX)</b></p> <p>Still images: ISO 100–32000 (ISO numbers up from ISO 50 to ISO 102400 can be set as expanded ISO range.), AUTO (ISO 100–12800, selectable lower limit and upper limit), Movies: ISO 100-32000 equivalent, AUTO (ISO 100-12800, selectable lower limit and upper limit)</p> <p><b>ANTI-FLICKER SHOOT.</b></p> <p>Yes</p> <p><b>SCENE SELECTION</b></p> <p>-</p>
<p><b>Viewfinder</b></p>	<p><b>VIEWFINDER TYPE</b></p> <p>1.3 cm (0.5 type) electronic viewfinder (color), UXGA OLED</p> <p><b>NUMBER OF DOTS</b></p> <p>5,760,000 dots</p> <p><b>BRIGHTNESS CONTROL (VIEWFINDER)</b></p> <p>Auto/Manual (5 steps between -2 and +2)</p> <p><b>COLOR TEMPERATURE CONTROL</b></p> <p>Manual (5 steps)</p> <p><b>FIELD COVERAGE</b></p> <p>100%</p>	<p><b>MAGNIFICATION</b></p> <p>Approx. 0.78 x (with 50 mm lens at infinity, -1 m<sup>-1</sup>)</p> <p><b>DIOPTRER ADJUSTMENT</b></p> <p>-4.0 to +3.0 m<sup>-1</sup></p> <p><b>EYE POINT</b></p> <p>Approx. 23 mm from the eyepiece lens, 18.5 mm from the eyepiece frame at -1m<sup>-1</sup> (CIPA standard)</p> <p><b>FINDER FRAME RATE SELECTION</b></p> <p>NTSC mode: STD 60fps / HI 120fps, PAL mode: STD 50fps / HI 100fps</p> <p><b>DISPLAY CONTENTS</b></p> <p>Graphic Display, Display All Info, No Disp. Info, Digital Level Gauge, Histogram, For viewfinder, Monitor Off</p>

<p><b>LCD Screen</b></p>	<p><b>MONITOR TYPE</b></p> <p>2.95 inch (3.0-type) wide type TFT</p> <p><b>NUMBER OF DOTS</b></p> <p>1,440,000 dots</p> <p><b>TOUCH PANEL</b></p> <p>Yes</p> <p><b>BRIGHTNESS CONTROL</b></p> <p>Manual (5 steps between -2 and +2), Sunny Weather mode</p> <p><b>ADJUSTABLE ANGLE</b></p> <p>Up by approx. 107 degrees, Down by approx. 41 degrees</p> <p><b>DISPLAY SELECTER (FINDER/LCD)</b></p> <p>Yes (Auto/Manual)</p> <p><b>REAL-TIME IMAGE ADJUSTMENT DISPLAY (LCD)</b></p> <p>On/Off</p>	<p><b>QUICK NAVI</b></p> <p>Yes</p> <p><b>FOCUS MAGNIFIER</b></p> <p>Yes (35mm full frame: 5.9x, 11.9x APS-C: 3.9x, 7.8x)</p> <p><b>ZEBRA</b></p> <p>Yes (selectable level + range or lower limit as custom setting)</p> <p><b>PEAKING MF</b></p> <p>Yes (Level setting: High/Mid/Low/Off, Color: Red/Yellow/Blue/White)</p> <p><b>OTHERS</b></p> <p>WhiteMagic, Grid Line (Rule of 3rds Grid/Square Grid/Diag. + Square Grid/Off), Movie Marker (Center/Aspect/Safety Zone/Guideframe)</p> <p><b>DISPLAY CONTENT</b></p> <p>Graphic Display, Display All Info, No Display Info, Digital Level Gauge, Histogram</p>
<p><b>Other Features</b></p>	<p><b>PLAYMEMORIES CAMERA APPS™</b></p> <p>-</p> <p><b>CLEAR IMAGE ZOOM</b></p> <p>Still images: Approx. 2x, Movies: Approx. 1.5x (4K), Approx. 2x (HD)</p> <p><b>DIGITAL ZOOM</b></p> <p>Smart zoom (Still images): 35 mm full frame: M: approx 1.5x, S: approx. 2x APS-C: M: approx 1.3x, S: approx 2x, Digital zoom (Still images): 35 mm full frame: L: approx 4x, M: approx 6.1x, S: approx. 8x APS-C: L: approx 4x, M: approx 5.3x, S: approx. 8x, Digital zoom (Movie): 35 mm full frame: approx 4x APS-C: approx 4x</p>	<p><b>FACE DETECTION</b></p> <p>Modes: Face Priority in AF (On/Off), Face Priority in Multi Metering (On/Off), Regist. Faces Priority (On/Off), Face registration, Max. number detectable: 8 faces</p> <p><b>SELF-PORTRAIT SELF-TIMER</b></p> <p>-</p> <p><b>OTHERS</b></p> <p>Interval Recording, Touch Focus: Yes (Touch Focus/Touch Pad/Touch Tracking), ISO AUTO Min. SS, Bright Monitoring, Copyright Info, Set File Name, Save/Import Settings, FTP Transfer Func., Help guide, Area Setting, Shop Front Mode, Video Light Mode, Zoom Ring Rotate</p>
<p><b>Shutter</b></p>	<p><b>TYPE</b></p> <p>Electronically controlled, vertical-traverse, focal-plane type</p> <p><b>SHUTTER SPEED</b></p> <p>Still images: 1/8000 to 30 s, Bulb, Movies: 1/8000 to 1/4 (1/3 steps), up to 1/60 in AUTO mode (up to 1/30 in Auto slow shutter mode)</p> <p><b>FLASH SYNC. SPEED</b></p> <p>1/250 sec.<sup>2</sup></p>	<p><b>ELECTRONIC FRONT CURTAIN SHUTTER</b></p> <p>Yes (ON/OFF)</p> <p><b>SILENT SHOOTING</b></p> <p>Yes (ON/OFF)</p>

<p><b>Image Stabilization</b></p>	<p><b>TYPE</b></p> <p>Image Sensor-Shift mechanism with 5-axis compensation (compensation depends on lens specifications)</p>	<p><b>COMPENSATION EFFECT</b></p> <p>5.5 stops (based on CIPA standard. Pitch/yaw shake only. With Planar T* FE 50mm F1.4 ZA I lens mounted. Long exposure NR off.)</p>
<p><b>Flash Control</b></p>	<p><b>CONTROL</b></p> <p>Pre-flash TTL</p> <p><b>FLASH COMPENSATION</b></p> <p>+/- 3.0 EV (switchable between 1/3 and 1/2 EV steps)</p> <p><b>FLASH BRACKETING</b></p> <p>3/5/9 frames selectable. With 3 or 5 frames, in 1/3, 1/2, 2/3, 1.0, 2.0, 3.0 EV increments, with 9 frames, in 1/3, 1/2, 2/3, 1.0 EV increments.</p> <p><b>FLASH MODES</b></p> <p>Flash off, Autoflash, Fill-flash, Slow Sync., Rear Sync., Red-eye reduction (on/off selectable), Wireless<sup>3</sup>, Hi-speed sync.<sup>3</sup></p>	<p><b>EXTERNAL FLASH COMPATIBILITY</b></p> <p>Sony α System Flash compatible with Multi Interface Shoe, attach the shoe adapter for flash compatible with Auto-lock accessory shoe</p> <p><b>FE LEVEL LOCK</b></p> <p>Yes</p> <p><b>WIRELESS CONTROL</b></p> <p>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.)</p>
<p><b>Drive</b></p>	<p><b>DRIVE MODES</b></p> <p>Single Shooting, Continuous shooting (Hi+/Hi/Mid/Lo selectable), Self-timer, Self-timer (Cont.), Bracket: Single, Bracket: Cont., White Balance bracket, DRO bracket</p> <p><b>CONTINUOUS DRIVE SPEED (APPROX. MAX.)</b></p> <p>Continuous shooting: Hi+: max. 10 fps, Hi: max. 8 fps, Mid: max. 6fps, Lo: max. 3 fps<sup>4</sup></p> <p><b>NO. OF RECORDABLE FRAMES (APPROX.)</b></p> <p>JPEG Extra fine L: 68 frames, JPEG Fine L: 68 frames, JPEG, RAW: 68 frames, RAW &amp; JPG: 68 frames, RAW (Uncompressed): 30 frames, RAW (Uncompressed) &amp; JPG: 30 frames<sup>4</sup></p>	<p><b>SELF-TIMER</b></p> <p>10 sec delay/5 sec delay/2 sec delay/Continuous self-timer (3 frames after 10 sec delay/5 frames after 10 sec delay/3 frames after 5 sec delay/5 frames after 5 sec delay/3 frames after 2 sec delay/5 frames after 2 sec delay)/Bracketing self-timer (Off/2 sec delay/5 sec delay/10 sec delay)</p> <p><b>PIXEL SHIFT MULTI SHOOTING</b></p> <p>Yes (4/16)<sup>5 6</sup></p>
<p><b>Playback</b></p>	<p><b>PHOTO CAPTURE</b></p> <p>Yes</p>	<p><b>MODES</b></p> <p>Single (with or without shooting information Y RGB histogram &amp; highlight/shadow warning), 9/25-frame index view, Enlarged display mode (L: 23.8x, M: 15.6x, S: 11.9x), Auto Review (10/5/2 sec, Off), Image orientation (Auto/Manual/Off selectable), Slideshow, Folder selection (Date/Still/AVCHD/XAVC S HD/XAVC S 4K), Forward/Rewind (movie), Delete, Protect, Rating, Disp Cont Shoot Grp</p>

<b>Interface</b>	<p><b>PC INTERFACE</b> Mass-storage, MTP, PC remote</p> <p><b>MULTI/MICRO USB TERMINAL</b> Yes <sup>7</sup></p> <p><b>NFC™</b> Yes (NFC forum Type 3 Tag compatible), One-touch remote, One-touch sharing</p> <p><b>WIRELESS LAN (BUILT-IN)</b> Wi-Fi Compatible, IEEE 802.11a/b/g/n/ac (2.4 GHz band/5 GHz band) <sup>8</sup>, View on Smartphone, Remote control via Smartphone, Send to Computer, View on TV <sup>9</sup></p> <p><b>BLUETOOTH®</b> Yes (Bluetooth Standard Ver. 4.1 (2.4 GHz band))</p> <p><b>HD OUTPUT</b> HDMI micro connector (Type-D), BRAVIA Sync (Control for HDMI), PhotoTV HD, 4K movie output/4K still image PB</p> <p><b>MULTI INTERFACE SHOE</b> Yes (with Digital Audio Interface) <sup>10</sup></p> <p><b>AUTO-LOCK ACCESSORY SHOE</b> -</p>	<p><b>SMART ACCESSORY TERMINAL 2</b> -</p> <p><b>MIC TERMINAL</b> Yes (3.5 mm Stereo minijack)</p> <p><b>DC IN TERMINAL</b> -</p> <p><b>SYNC TERMINAL</b> Yes</p> <p><b>HEADPHONE TERMINAL</b> Yes (3.5 mm Stereo minijack)</p> <p><b>VERTICAL GRIP CONNECTOR</b> Yes</p> <p><b>PC REMOTE</b> Yes</p> <p><b>LAN TERMINAL</b> -</p>
<b>Audio</b>	<p><b>MICROPHONE</b> Built-in, stereo</p>	<p><b>SPEAKER</b> Built-in, monaural</p>
<b>Print</b>	<p><b>COMPATIBLE STANDARDS</b> Exif Print, Print Image Matching III, DPOF setting</p>	
<b>Custom function</b>	<p><b>TYPE</b> Custom key settings, Programmable Setting (Body 3 sets/memory card 4 sets), My Menu, My Dial Settings, Reg Cust Shoot Set</p>	
<b>Lens Compensation</b>	<p><b>SETTING</b> Peripheral Shading, Chromatic Aberration, Distortion</p>	



<b>Power</b>	<p><b>SUPPLIED BATTERY</b></p> <p>One rechargeable battery pack NP-FZ100</p> <p><b>BATTERY LIFE (STILL IMAGES)</b></p> <p>Approx. 530 shots (Viewfinder)/approx. 670 shots (LCD monitor) (CIPA standard) <sup>11</sup></p> <p><b>BATTERY LIFE (MOVIE, ACTUAL RECORDING)</b></p> <p>Approx. 90 min (Viewfinder)/Approx. 105 min (LCD monitor) (CIPA standard) <sup>12</sup></p> <p><b>BATTERY LIFE (MOVIE, CONTINUOUS RECORDING)</b></p> <p>Approx. 160 min (Viewfinder)/Approx. 170 min (LCD monitor) (CIPA standard)</p>	<p><b>INTERNAL BATTERY CHARGE</b></p> <p>Yes (Available with Multi/Micro USB Terminal or USB Type-C Terminal)</p> <p><b>POWER CONSUMPTION WITH VIEWFINDER</b></p> <p>Still images: approx. 3.7 W (with FE 28-70 mm F3.5-5.6 OSS lens attached), Movies: approx. 6.2 W (with FE 28-70 mm F3.5-5.6 OSS lens attached)</p> <p><b>POWER CONSUMPTION WITH LCD SCREEN</b></p> <p>Still images: approx. 2.9 W (with FE 28-70 mm F3.5-5.6 OSS lens attached), Movies: approx. 5.8 W (with FE 28-70 mm F3.5-5.6 OSS lens attached)</p> <p><b>USB POWER SUPPLY</b></p> <p>Yes (Available with Multi/Micro USB Terminal or USB Type-C Terminal)</p>
<b>Others</b>	<p><b>OPERATING TEMPERATURE</b></p> <p>32 - 104 degrees F / 0 - 40 degrees C</p>	
<b>Size &amp; Weight</b>	<p><b>WEIGHT (WITH BATTERY AND MEMORY CARD INCLUDED)</b></p> <p>Approx. 1 lb 7.5 oz / 665 g</p>	<p><b>DIMENSIONS (W X H X D)</b></p> <p>Approx. 128.9 mm x 96.4 mm x 77.5 mm, Approx. 128.9 mm x 96.4 mm x 67.3 mm (FROM GRIP TO MONITOR) / Approx. 5 1/8 x 3 7/8 x 3 1/8 inches, Approx. 5 1/8 x 3 7/8 x 2 3/4 inches (FROM GRIP TO MONITOR)</p>
<b>What's In The Box</b>	<p>Power cord Rechargeable Battery NP-FZ100 Cable Protector Battery Charger BC-QZ1 Shoulder strap</p>	<p>Body cap Accessory shoe cap Eyepiece cup USB Type-C™ cable</p>