

ILCE-7M3

α7 III with 35mm full-frame image sensor

High performance and versatile functionality are packed within a compact body.



24.2MP back-illuminated CMOS sensor and upgraded image processor help depict sharp images, maximise sensitivity, and extend dynamic range. Improved AF and tracking plus up to 10 fps continuous shooting capture decisive moments. Reliable operability ensures confident shooting. A light, compact body enhances mobility.

- Newly developed 24.2MP 35mm full-frame Exmor R™ CMOS sensor and enhanced image processing
- Phenomenal AF performance and 10 fps continuous shooting
- Full-frame 4K HDR movie recording and pro-class movie features

Specifications

Lens Lens Compatibility Lens Mount	Sony E-mount lenses E-mount	Image Sensor Aspect Ratio Number Of Pixels (Effective) Number of Pixels (total) Sensor Type Anti-Dust System	3:2 Approx. 24.2 megapixels Approx. 25.3 megapixels 35mm full frame (35.6×23.8mm), Exmor R CMOS sensor Charge protection coating on optical filter and image sensor shift mechanism
Recording (still images) Recording Format Image Size (pixels) [3:2] Image Size (pixels) [16:9] Image Size (pixels) [Sweep Panorama] Image Quality Modes Picture Effect Creative Style Picture Profile Dynamic Range Functions Colour Space 14bit RAW Uncompressed RAW	JPEG (DCF Ver. 2.0, Exif Ver.2.31, MPF Baseline compliant), RAW (Sony ARW2.3 format) 35mm full frame L: 6000 x 4000 (24M), M: 3936 x 2624 (10M), S: 3008 x 2000 (6.0M), APS-C L: 3936 x 2624 (10M), M: 3008 x 2000 (6.0M), S: 1968 x 1312 (2.6M) 35mm full frame L: 6000 x 3376 (20M), M: 3936 x 2216 (8.7M), S: 3008 x 1688 (5.1M), APS-C L: 3936 x 2216 (8.7M), M: 3008 x 1688 (5.1M), S: 1968 x 1112 (2.2M) - RAW, RAW& JPEG (Extra fine, Fine, Standard), JPEG (Extra fine, Fine, Standard) 8 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, Rich-tone Monochrome Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn leaves, Black & White, Sepia, Style Box (1-6), (Contrast (-3 to +3 steps), Saturation (-3 to +3 steps), Sharpness (-3 to +3 steps)) 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 Off, Dynamic Range Optimizer (Auto/Level (1-5)), Auto High Dynamic Range (Auto Exposure Difference, Exposure Difference Level (1-6 EV, 1.0 EV step)) sRGB standard (with sYCC gamut) and Adobe RGB standard, compatible with TRILUMINOS Color Yes Yes	Recording (movie) Recording Format Video Compression Audio Recording Format Colour Space Picture Effect Creative Style Picture Profile Image Size (Pixels), NTSC Image Size (pixels), PAL Image frame rate Image size (frame rate) Movie Functions Clean HDMI output	XAVC S, AVCHD format Ver. 2.0 compliant XAVC S: MPEG-4 AVC/H.264, AVCHD: MPEG-4 AVC/H.264 XAVC S: LPCM 2ch, AVCHD: Dolby Digital (AC-3) 2ch, Dolby Digital Stereo Creator xvYCC standard (x.v.Color when connected via HDMI cable) compatible with TRILUMINOS Color 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 Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn leaves, Black & White, Sepia, Style Box (1-6), (Contrast (-3 to +3 steps), Saturation (-3 to +3 steps), Sharpness (-3 to +3 steps)) 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 XAVC S 4K: 3840 x 2160 (30p, 100M), 3840 x 2160 (24p, 100M), 3840 x 2160 (30p, 60M), 3840 x 2160 (24p, 60M), 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) 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), AVCHD: 1920 x 1080 (50i, 24M, FX), 1920 x 1080 (50i, 17M, FH) NTSC mode: 1fps, 2fps, 4fps, 8fps, 15fps, 30fps, 60fps, 120fps, PAL mode: 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps NTSC mode: 1920x1080 (60p, 30p, 24p), PAL mode: 1920x1080 (50p, 25p) Audio Level Display, Audio Rec Level, PAL/NTSC Selector, Yes (1280 x 720 (Approx.9Mbps)), 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 3840 x 2160 (25p), 1920 x 1080 (50p), 1920 x 1080 (50i), 1920 x 1080 (24p), 1920 x 1080 (60p), 1920 x 1080 (50i), 1920 x 1080 (24p), 3840 x 2160 (30p), 3840 x 2160 (24p), YCbCr 4:2:2 8bit / RGB 8bit
Recording System Location information Link from smartphone Media Memory Card Slot Recording mode on 2 memory cards	Yes Memory Stick PRO Duo, Memory Stick PRO-HG Duo, Memory Stick Micro (M2), 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 SLOT1: Slot for SD (UHS-I/II compliant) memory card, SLOT2: Multi slot for Memory Stick Duo/SD (UHS-I compliant) memory card Simult. Rec (Still), Simult. Rec (Movie), Simult. Rec (Still/Movie), Sort (JPEG/RAW), Sort (Still/Movie), Auto Switch Media (On/Off), Copy	Noise Reduction Noise Reduction Multi Frame NR	Long exposure NR: On/Off, available at shutter speeds longer than 1 sec., High ISO NR: Normal/Low/Off -
White Balance White Balance Modes AWB Micro Adjustment Priority Set in AWB Bracketing	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 Yes G7 to M7, 57-step A7 to B7, 29-step Yes 3 frames, H/L selectable	Focus Focus Type Focus Sensor Focus Point Focus Sensitivity Range	Fast Hybrid AF (phase-detection AF/contrast-detection AF) Exmor R CMOS sensor 35mm full frame: 693 points (phase-detection AF), APS-C mode with full frame lens: 299 points (phase-detection AF), with APS-C lens: 221 points (phase-detection AF) / 425 points (contrast-detection AF) EV-3 to EV20 (ISO100 equivalent with F2.0 lens)

	<p>Focus Mode AF-A (Automatic AF), AF-S (Single-shot AF), AF-C (Continuous AF), DMF (Direct Manual Focus), Manual Focus</p> <p>Focus Area Wide (693 points (phase-detection AF), 425 points (contrast-detection AF)) / Zone / Center / Flexible Spot (S/M/L) /Expanded Flexible Spot/ Lock-on AF (Wide / Zone / Center / Flexible Spot (S/M/L)/Expanded Flexible Spot)</p> <p>Other Features Eye-start AF (only with LA-EA2 or LA-EA4 attached (sold separately)), Lock-on AF, Eye AF, AF micro adjustment with LA-EA2 or LA-EA4 (sold separately), Predictive control, Focus lock, AF Track Sens, Swt.V/H AF Area, AF Area Regist.</p> <p>AF Illuminator Yes (with Built-in LED type)</p> <p>AF Illuminator range Approx. 0.3m - approx. 3.0m (with FE 28-70mm F3.5-5.6 OSS attached)</p> <p>Focus type with LA-EA3 (Sold separately) selectable (phase-detection, contrast-detection)</p>
<p>Exposure</p> <p>Metering Type 1200-zone evaluative metering</p> <p>Metering Sensor Exmor R CMOS sensor</p> <p>Metering Sensitivity EV-3 to EV20 (at ISO100 equivalent with F2.0 lens attached)</p> <p>Metering Mode Multi-segment, Center-weighted, Spot, Spot Standard/Large, Entire Screen Avg., Highlight</p> <p>Exposure Compensation +/- 5.0EV (1/3 EV, 1/2 EV steps selectable) (with exposure compensation dial: +/- 3EV (1/3 EV steps))</p> <p>Exposure Bracketing 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>AE Lock Locked when shutter button is pressed halfway. Available with AE lock button (On/Off/Auto)</p> <p>Exposure Modes 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 & Quick Motion (Programmed AE (P) / Aperture priority (A) / Shutter-speed priority (S) / Manual (M)), Scene Selection</p> <p>ISO Sensitivity (Recommended Exposure Index) Still images: ISO 100-51200 (ISO numbers up 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 ISO 102400 can be set as expanded ISO range.), AUTO (ISO 100-12800, selectable lower limit and upper limit)</p> <p>Anti-flicker Shoot. Scene Selection Yes Portrait, Sports Action, Macro, Landscape, Sunset, Night Scene, Night Portrait</p>	<p>Viewfinder</p> <p>Viewfinder Type 1.3 cm (0.5 type) electronic viewfinder (color), XGA OLED</p> <p>Number of Dots 2 359 296 dots</p> <p>Brightness Control (Viewfinder) Auto/Manual (5 steps between -2 and +2)</p> <p>Color Temperature Control Manual (5 steps)</p> <p>Field Coverage 100%</p> <p>Magnification approx. 0.78 x (with 50mm lens at infinity, -1m-1)</p> <p>Dioptr Adjustment -4.0 to +3.0m-1</p> <p>Eye Point Approx. 23mm from the eyepiece lens, 18.5mm from the eyepiece frame at -1m-1(CIPA standard)</p> <p>Finder Frame Rate Selection -</p> <p>Display Contents Graphic Display, Display All Info., No Disp. Info., Digital Level Gauge, Histogram</p>
<p>LCD Screen</p> <p>Monitor Type 7.5cm (3.0-type) type TFT</p> <p>Number of Dots 921,600 dots</p> <p>Touch Panel Yes</p> <p>Brightness Control Manual (5 steps between -2 and +2), Sunny Weather mode</p> <p>Adjustable Angle Up by approx. 107 degrees, Down by approx. 41 degrees</p> <p>Display Selecter (Finder/LCD) Yes (Auto/Manual)</p> <p>Real-time Image Adjustment Display (LCD) On/Off</p> <p>Quick Navi Yes</p> <p>Focus Magnifier Yes (35mm full frame: 5.9x, 11.7x, APS-C: 3.8x, 7.7x)</p> <p>Zebra Yes (selectable level + range or lower limit as custom setting)</p> <p>Peaking MF Yes (Level setting: High/Mid/Low/Off, Color: White/Red/Yellow)</p> <p>Others Grid Line (Rule of 3rds Grid/Square Grid/Diag. + Square Grid/Off), Movie Marker (Center/Aspect/Safety Zone/Guideframe)</p> <p>Display Content Graphic Display, Display All Info, No Disp. Info, Digital Level Gauge, Histogram,For viewfinder, Monitor Off</p>	<p>Other Features</p> <p>PlayMemories Camera Apps™ -</p> <p>Clear Image Zoom Still images: Approx. 2x, Movies:Approx. 1.5x (4K), Approx. 2x (HD)</p> <p>Digital Zoom Smart zoom (Still images): 35mm full frame: M: approx 1.5x, S: approx 2x, APS-C: M: approx 1.3x, S: approx 2x, Digital zoom (Still images): 35mm full frame: L: approx 4x, M: approx 6.1x, S: approx 8x, APS-C: L: approx 4x, M: approx 5.2x, S: approx 8x,Digital zoom (Movie): 35mm full frame: approx 4x, APS-C: approx 4x</p> <p>Face Detection Modes: Face Priority in AF (On/Off), Face Priority in Multi Metering (On/Off), Regist. Faces Priority (On/Off), Face registration, Max. number of detectable: 8</p> <p>Self-Portrait Self-timer -</p> <p>Others Touch Focus: Yes (Available with LCD monitor or Viewfinder operation), ISO AUTO Min. SS, Bright Monitoring, Set File Name, FTP Transfer Func., Help guide, Area Setting, Shop Front Mode, Video Light Mode, Zoom Ring Rotate</p> <p>Eye-Fi ready -</p>
<p>Shutter</p> <p>Type Electronically-controlled, vertical-traverse, focal-plane type</p> <p>Shutter Type -</p> <p>Shutter Speed Still images: 1/8000 to 30 sec, 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>Flash Sync. Speed 1/250 sec.</p> <p>Electronic Front Curtain Shutter Yes (ON/OFF)</p> <p>Silent Shooting Yes (ON/OFF)</p>	<p>Image Stabilization</p> <p>Type Image Sensor-Shift mechanism with 5-axis compensation (Compensation depends on lens specifications)</p> <p>Compensation Effect 5.0 stops (based on CIPA standard. Pitch/yaw shake only. With Planar T* FE 50mm F1.4 ZA lens mounted. Long exposure NR off.)</p>
<p>Flash Control</p> <p>Control Pre-flash TTL</p> <p>Flash Compensation +/- 3.0 EV (switchable between 1/3 and 1/2 EV steps)</p> <p>Flash Bracketing 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>Flash Modes Flash off, Autoflash, Fill-flash, Slow Sync., Rear Sync., Red-eye reduction (on/off selectable), Wireless, Hi-speed sync.</p> <p>External Flash Compatibility Sony α System Flash compatible with Multi Interface Shoe, attach the shoe adaptor for flash compatible with Auto-lock accessory shoe</p> <p>FE Level Lock Yes</p> <p>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.)</p>	<p>Drive</p> <p>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</p> <p>Continuous Drive Speed (approx. max.) Continuous shooting: Hi+: max. 10 fps, Hi: max. 8 fps, Mid: max. 6fps, Lo: max. 3 fps</p> <p>No. of recordable frames (approx.) JPEG Extra fine L: 163 frames, JPEG Fine L: 172 frames, JPEG Standard L: approx. 177 frames, RAW: 89 frames, RAW & JPG: 79 frames, RAW (Uncompressed): 40 frames, RAW (Uncompressed) & JPG: 36 frames</p> <p>Self-Timer 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</p>
<p>Playback</p> <p>Photo Capture Modes Yes Single (with or without shooting information Y RGB histogram & highlight/shadow warning), 9/25-frame index view, Enlarged display mode (L: 18.8x, M: 12.3x, S: 9.4x), 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>	<p>Interface</p> <p>PC Interface Mass-storage, MTP, PC remote</p> <p>Multi / Micro USB Terminal Yes</p> <p>USB Type-C™ Terminal Yes (SuperSpeed USB (USB 3.1 Gen 1) compatible)</p> <p>NFC™ Yes (NFC forum Type 3 Tag compatible), One-touch remote, One-touch sharing</p> <p>Wireless LAN (Built-In) W-Fi Compatible, IEEE 802.11b/g/n (2.4GHz band), View on Smartphone, Remote control via Smartphone, Send to Computer, View on TV</p> <p>Bluetooth Yes (Bluetooth Standard Ver. 4.1 (2.4GHz band))</p> <p>HD Output HDMI micro connector (Type-D),BRAVIA Sync</p>

Multi Interface Shoe	Yes
Auto-lock Accessory Shoe	-
Smart Accessory Terminal 2	-
Mic Terminal	Yes (3.5 mm Stereo minijack)
DC IN Terminal	-
Sync Terminal	-
Headphone Terminal	Yes (3.5 mm Stereo minijack)
Vertical Grip Connector	Yes
PC Remote	Yes
LAN Terminal	-

Audio Microphone Built-in stereo microphone or XLR-K2M/XLR-K1M/ECM-XYST1M (sold separately) Speaker Built-in,monaural	Print Compatible Standards Exif Print, Print Image Matching III, DPOF setting
Custom function Type Custom key settings,Programmable Setting (Body 2 sets /memory card 4 sets), My Menu, Reg Cust Shoot Set	Lens Compensation Setting Peripheral Shading, Chromatic Aberration, Distortion
Power Supplied Battery One rechargeable battery pack NP-FZ100 Battery Life (Still Images) Approx. 610 shots (Viewfinder) / approx. 710 shots (LCD monitor) (CIPA standard) Battery Life (Movie, actual recording) Approx. 115 min (Viewfinder) / Approx. 125 min (LCD monitor) (CIPA standard) Battery Life (Movie, continuous recording) Approx. 200 min (Viewfinder) / Approx. 210 min (LCD monitor) (CIPA standard) Internal Battery Charge Yes (Available with Multi/Micro USB Terminal or USB Type-C Terminal) Power consumption with Viewfinder Still images: approx. 3.2W(with FE 28-70mm F3.5-5.6 OSS lens attached), Movies: approx. 4.9W(with FE 28-70mm F3.5-5.6 OSS lens attached) Power consumption with LCD screen Still images: approx. 2.8W(with FE 28-70mm F3.5-5.6 OSS lens attached), Movies: approx. 4.7W(with FE 28-70mm F3.5-5.6 OSS lens attached) USB Power supply Yes (Available with Multi/Micro USB Terminal or USB Type-C Terminal)	Others Operating Temperature 32 - 104 degrees F / 0 - 40 degrees C
Size & Weight Weight (with battery and memory card included) Approx. 650 g / 1lb 7.0 oz Dimensions (W x H x D) Approx. 126.9mm x 95.6mm x 73.7mm, Approx. 126.9mm x 95.6mm x 62.7mm (from grip to monitor)/Approx. 5 x 3 7/8 x 3 inches, Approx. 5 x 3 7/8 x 2 1/2 inches (from grip to monitor)	