

-Sony ILCE-7M5 Alpha 7 V Specifications-

Movie Recording Formats

- XAVC HS 4K: 4K up to 120p, 4:2:0 10-bit and 4:2:2 10-bit, up to 280 Mbps (frame-rate and bitrate options for both NTSC and PAL regions).
- XAVC S 4K: 4K up to 120p, 4:2:0 8-bit and 4:2:2 10-bit, up to 280 Mbps with multiple frame-rate and bitrate presets.
- XAVC S HD: Full HD 1080p up to 120p, 4:2:0 8-bit and 4:2:2 10-bit with a range of bitrates for slow motion and standard recording.
- XAVC S-I 4K: All-Intra 4K up to 60p, 4:2:2 10-bit, up to 600 Mbps for robust post-production workflows.
- XAVC S-I HD: All-Intra Full HD up to 60p, 4:2:2 10-bit, up to 222 Mbps for high-quality HD mastering.

Movie & Streaming System

- Video compression: XAVC S (MPEG-4 AVC/H.264), XAVC HS (MPEG-H HEVC/H.265).
- Audio recording: LPCM 2ch/4ch up to 24-bit, 48 kHz (with compatible Multi Interface Shoe accessories).
- Network streaming resolutions: up to 4K 30p and Full HD 60p, plus 1440p and 720p options.
- Streaming video formats: MPEG-4 AVC/H.264 or HEVC/H.265 depending on protocol.
- Protocols supported: RTMP, RTMPS, SRT for flexible live workflows.
- USB streaming: up to 4K 30p or Full HD 60p with LPCM 2ch audio.

Camera Section

- Total pixels: approx. 35.7 megapixels; effective: approx. 33.0 MP (stills), approx. 27.6 MP (movies).
- Sensor type: 35 mm full-frame Exmor RS CMOS, with optical low-pass filter and anti-dust system.
- Color temperature range: 2500 K to 9900 K.
- Supplied accessories: NP-FZ100 battery, shoulder strap, body cap, shoe cap, eyepiece cup, lens hood, front and rear caps (kit lens version).

Dimensions & Weight

- Dimensions (W x H x D): approx. 130.3 x 96.4 x 82.4 mm; approx. 130.3 x 96.4 x 72.3 mm from grip to monitor.
- Body only weight: approx. 610 g (1 lb 5.6 oz); with battery and card: approx. 695 g (1 lb 8.6 oz).

Power & Consumption

- Power consumption (LCD): stills approx. 2.6 W; movies approx. 4.7 W (with FE 28–70mm lens).
- Power consumption (EVF): stills approx. 3.1 W; movies approx. 4.7 W (with FE 28–70mm lens).
- USB power and in-body charging via USB Type-C with USB PD support.
- Battery life (CIPA): up to approx. 630 shots (viewfinder) / 750 shots (LCD); up to approx. 210 min continuous movie recording.

Flash & Exposure

- Flash compensation: ± 3.0 EV in 1/3 or 1/2 step increments; pre-flash TTL control.
- Flash sync: 1/250 s (full-frame), 1/320 s (APS-C) with compatible Sony external flash.
- Metering: 1200-zone evaluative metering, sensitivity EV -3 to EV 20 (ISO 100, F2.0 lens).
- Exposure compensation: ± 5.0 EV in selectable 1/3 or 1/2 step increments.
- ISO (stills): ISO 100–51200 (expandable 50–204800) with AUTO range 100–12800; ISO ranges adjusted for movie and stabilization modes.
- Anti-flicker shooting: supported when not using the electronic shutter.

Autofocus & Recognition

- AF system: Fast Hybrid AF with up to 759 phase-detection points for stills and movies.
- AF sensitivity: EV -4 to EV 20 (ISO 100, F2.0 lens in AF-S).
- Subject recognition (stills/movies): Auto, Human, Animal, Bird, Insect, Car, Train, Airplane.
- AF tools: AF assist, focus map, peaking display, AF transition and subject shift controls for video.

Still Image Recording

- Formats: JPEG, HEIF (4:2:0 / 4:2:2), RAW (Sony ARW 6.0), plus RAW & JPEG / RAW & HEIF combos.
- Image sizes (3:2 full frame): L 7008×4672 (33 M), M 4608×3072 (14 M), S 3504×2336 (8.2 M).
- Continuous shooting: up to 30 fps (electronic) or 10 fps (mechanical), frames depending on format and card.

Viewfinder & LCD

- EVF: 0.5-type Quad-VGA OLED, approx. 3.68M dots, 0.78× magnification, diopter -4.0 to +3.0 m⁻¹.
- Finder frame rates: Standard 60 fps or High 120 fps.
- LCD: 3.2-inch TFT, approx. 2.1M dots, multi-angle (up 98°, down 40°, side 180°, rotation 270°), touch-enabled.

Interface & Connectivity

- Wireless LAN: Wi-Fi (IEEE 802.11 a/b/g/n/ac/ax) including 2.4, 5, and 6 GHz bands (region dependent).
- HDMI: Type-A with up to 4K 60p output, YCbCr 4:2:2 10-bit / RGB 8-bit.
- Audio I/O: 3.5 mm mic input and 3.5 mm headphone output, digital audio via Multi Interface Shoe.
- USB: Dual USB Type-C ports (USB 3.2 10 Gbps and USB 2.0), mass-storage/MTP PC interface.
- Bluetooth 5.3 for remote control and device connectivity.
- Network functions: FTP transfer (wired LAN via adapter, USB tethering, Wi-Fi), smartphone remote shooting, file transfer.

Image Stabilization & Drive

- 5-axis in-body image stabilization with center up to 7.5 stops and periphery 6.5 stops (CIPA 2024 standard).
- Movie stabilization modes: Dynamic Active, Active, Standard, or Off.
- Drive: Hi+ up to 30 fps (electronic), Hi+ up to 10 fps (mechanical), depending on conditions and card.

Playback & Other Features

- Playback: enlarged view, rating, protection, Shot Mark (movie), divider frames, crop, photo capture from video.
- Creative tools: Creative Look, Picture Profile, time-lapse, Auto Framing, Pre-Capture, Continuous Shooting Speed Boost.
- Accessibility: screen reader, menu magnification, mode dial control set and other assistive functions.