I AM THE NIKON D850

Your time is now.

**Key features:**

- **This is your work. Done 45.4 million pixels of justice.** The fast FX-format sensor uses 45.7 megapixels of effective resolution to deliver richly detailed 45.4 MP files with incredible dynamic range.

- **This is what speed looks like at 45.4 MP.** Shoot at 7 fps. Or at 9 fps when using the optional MB-D18 Multi-Power Battery Pack (with the EN-EL18B battery inserted). The same 153-point AF system as the D5 ensures unbeatable precision.

- **This is sensitivity to light, nuance, and expression.** Harness an ISO range of 64–25600, extendable from 32 to 102400 (equivalent), and metering down to -3 EV. Reveal the details hidden in the darkest scenes and the deepest shadows.

- **This is RAW versatility.** Experience uncompromised image performance whether you shoot RAW size Large, Medium, or Small. Benefit from blazing wireless transfer speeds.

- **This is full-frame 4K video.** When you’re working with true full-frame 4K/UHD and you don’t have to worry about a crop factor, your scenes won’t just be great. They’ll be cinematic. Shoot for more than three hours using the MB-D18 Multi-Power Battery Pack.
### D850 TECHNICAL SPECIFICATIONS

**Image sensor**: 35.9 x 23.9 mm CMOS sensor

**Frame coverage**
- FX (36 x 24): Approx. 100% horizontal and 100% vertical
- 1.2x (30 x 20): Approx. 97% horizontal and 97% vertical
- DX (24 x 16): Approx. 97% horizontal and 100% vertical

**Frame advance rate**: Up to approx. 9.0 fps

**ISO sensitivity**: ISO 64 to 25600 in steps of 0.3, 0.5, 0.7 or 1 EV; can also be set to approx. 0.3, 0.5, 0.7, 1 to 2 EV (ISO 102400 equivalent) above ISO 25600; auto ISO sensitivity control available

**Built-in flash**: No

**Video frame size (pixels), frame rate and file formats**
- 3840 x 2160 (4K UHD): 30p (progressive), 25p, 24p
- 2000 x 1200: 60p, 50p, 30p, 25p, 24p
- 1280 x 720: 60p, 50p
- 1080 x 1920 (slow-mo): 30p x4, 25p x4, 24pz4 Actual frame rates for 60p, 50p, 30p, 25p and 24p are 59.94, 50, 29.97, 25 and 23.976 fps respectively; quality selection available at all sizes except 3840 x 2160 (when quality is fixed at H) and 1920 x 1080 slow-mo (when quality is fixed at "normal")
- MOV, MP4

**Built-in recording device**: Built-in stereo or external microphone; sensitivity adjustable

**USB**: SuperSpeed USB (USB 3.0 Micro-B connector), connection to built-in USB port is recommended

**Supported languages**: Arabic, Bengali, Bulgarian (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean, Marathi, Norwegian, Persian, Polish, Portuguese (Portugal and Brazil), Romanian, Russian, Serbian, Slovak, Swedish, Tamil, Telugu, Thai, Turkish, Ukrainian, Vietnamese

**Dimensions (W x H x D)**: Approx. 146 x 124 x 78.5 mm/5.8 x 4.9 x 3.1 in.

**Weight (approx)**: Approx. 1005 g/2 lb 3.5 oz with battery and XQD memory card

**Autoexposure metering**: TTL exposure metering using RGB sensor with approx. 180,000 modes

**TTL exposure metering using RGB sensor with approx. 180K modes**

**Viewfinder Eyepiece**
- Eye-level pentaprism single-lens reflex viewfinder

**Shutter type**
- Electronically controlled vertical-travel focal-plane mechanical shutter
- Electronic front-curtain shutter available in quiet shutter-release mode

**Exposure metering system**
- TTL exposure metering with approx. 180K modes
- Measurements using DX, FX format photographs taken during movie recording
- Single-point AF, 9-, 25-, 72- or 153-point dynamic-area AF
- 3D-tracking, group-area AF, auto-area AF

**Autofocus**
- Multi-CAM 20K autofocus sensor module with TTL phase detection; fine-tuning and 153 focus points (including 99 cross-type sensors and 15 sensors that support AF) of which 55 (35 cross-type sensors and 9 f/8 sensors) are available for selection
- Single-point AF, 9-, 25-, 72- or 153-point dynamic-area AF
- 3D-tracking, group-area AF, auto-area AF

**Built-in flash**: No

**Storage media**: XQD and SD (Secure Digital) and UHS-II compliant SDHC and SDXC memory cards

**Viewfinder**
- Eye-level pentaprism single-lens reflex viewfinder

**Shutter type**
- Electronically controlled vertical-travel focal-plane mechanical shutter; electronic front-curtain shutter available in quiet shutter-release, quiet continuous shutter-release and mirror up release modes

**Exposure metering system**
- TTL exposure metering using RGB sensor with approx. 180K (180,000) pixels

**Format coverage**
- FX (36 x 24): Approx. 100% horizontal and 100% vertical
- 1.2x (30 x 20): Approx. 97% horizontal and 97% vertical
- DX (24 x 16): Approx. 97% horizontal and 100% vertical

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**Battery**: One EN-EL15a Rechargeable Li-ion Battery

**Dimensions (W x H x D)**: Approx. 146 x 124 x 78.5 mm/5.8 x 4.9 x 3.1 in.

**Weight (approx)**: Approx. 1005 g/2 lb 3.5 oz with battery and XQD memory card but without body cap; approx. 915 g/2 lb 0.3 oz (camera body only)

**Memory card compatibility**: SD memory card; XQD memory card

**USB**: SuperSpeed USB (USB 3.0 Micro-B connector), connection to built-in USB port is recommended