



At the heart of the image

# I AM THE NIKON D850



## D850



### Recommended accessories



MB-D18  
Multi-Power Battery Pack



WT-7  
Wireless Transmitter



ES-2  
Film Digitizing Adapter

## I AM THE DIFFERENCE MAKER

**Nature. Commercial sports. Weddings. Fashion. Video.** When you've got the ultimate combination of resolution, speed, and light sensitivity to work with, you don't just execute incredible work. You show your mastery. From the studio to the remotest locations on earth, the D850 gives you the imaging power to create without limits. The flexibility to adjust to any workflow. And the performance to deliver without exceptions. 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

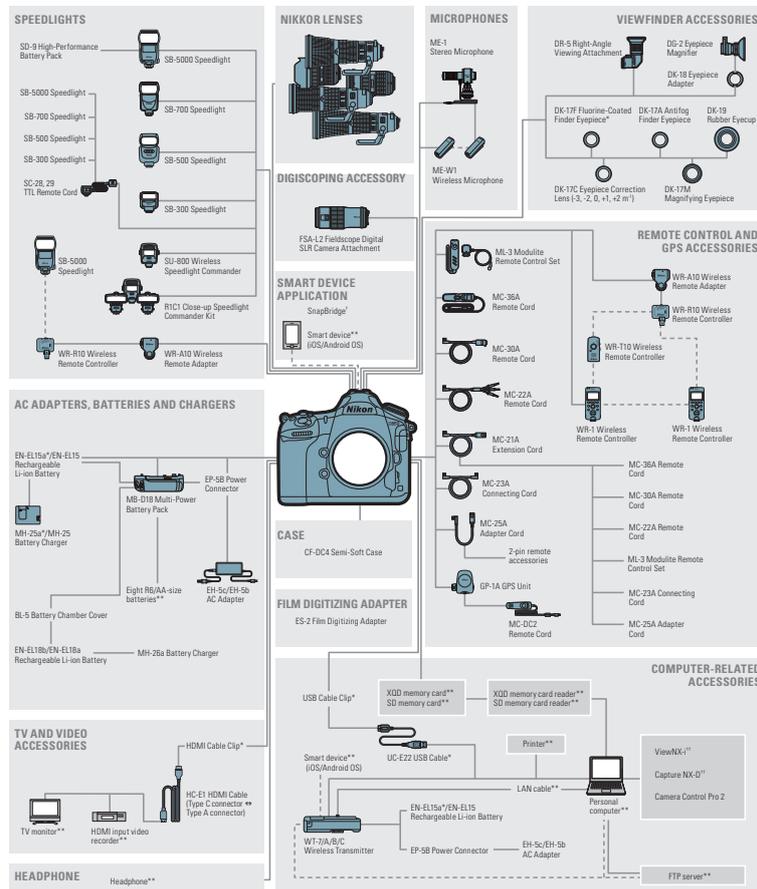


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# D850 TECHNICAL SPECIFICATIONS

Image sensor	35.9 × 23.9 mm CMOS sensor
Frame coverage	<ul style="list-style-type: none"> <li>FX (36×24): Approx. 100% horizontal and 100% vertical</li> <li>1.2× (30×20): Approx. 97% horizontal and 97% vertical</li> <li>DX (24×16): Approx. 97% horizontal and 97% vertical</li> <li>5:4 (30×24): Approx. 97% horizontal and 100% vertical</li> <li>1:1 (24×24): Approx. 97% horizontal and 100% vertical</li> </ul>
Frame advance rate	Up to approx. 9* or 7 fps
ISO sensitivity	ISO 64 to 25600 in steps of 1/3, 1/2 or 1 EV; can also be set to approx. 0.3, 0.5, 0.7 or 1 EV (ISO 32 equivalent) below ISO 64 or to approx. 0.3, 0.5, 0.7, 1 or 2 EV (ISO 102400 equivalent) above ISO 25600; auto ISO sensitivity control available
Image size (pixels)	<ul style="list-style-type: none"> <li>FX (36×24) image area: 8256 × 5504 (L: 45.4 million), 6192 × 4128 (M: 25.5 million), 4128 × 2752 (S: 11.3 million)</li> <li>1.2× (30×20) image area: 6880 × 4584 (L: 31.5 million), 5152 × 3432 (M: 17.6 million), 3440 × 2288 (S: 7.8 million)</li> <li>DX (24×16) image area: 5408 × 3600 (L: 19.4 million), 4048 × 2696 (M: 10.9 million), 2704 × 1800 (S: 4.8 million)</li> <li>5 : 4 (30×24) image area: 6880 × 5504 (L: 37.8 million), 5152 × 4120 (M: 21.2 million), 3440 × 2752 (S: 9.4 million)</li> <li>1 : 1 (24×24) image area: 5504 × 5504 (L: 30.2 million), 4128 × 4128 (M: 17.0 million), 2752 × 2752 (S: 7.5 million)</li> <li>FX-format photographs taken during movie recording: 8256 × 4640 (L: 38.3 million), 6192 × 3480 (M: 21.5 million), 4128 × 2320 (S: 9.5 million)</li> <li>DX-format photographs taken during movie recording: 5408 × 3040 (L: 16.4 million), 4048 × 2272 (M: 9.1 million), 2704 × 1520 (S: 4.1 million)</li> </ul>
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

Autofocus	<ul style="list-style-type: none"> <li>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 f/8), of which 55 (35 cross-type sensors and 9 f/8 sensors) are available for selection</li> <li>Single-point AF, 9-, 25-, 72- or 153-point dynamic-area AF, 3D-tracking, group-area AF, auto-area AF</li> <li>AF metering range -4 to +20 EV (ISO 100, 20°C/68°F)</li> </ul>
Built-in flash	No
Video Frame size (pixels), frame rate and file formats	<ul style="list-style-type: none"> <li>3840 × 2160 (4K UHD); 30p (progressive), 25p, 24p</li> <li>1920 × 1080; 60p, 50p, 30p, 25p, 24p</li> <li>1280 × 720; 60p, 50p</li> <li>1920 × 1080 (slow-mo); 30p ×4, 25p ×4, 24p ×5 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 × 2160 (when quality is fixed at H) and 1920 × 1080 slow-mo (when quality is fixed at "normal")</li> <li>MOV, MP4</li> </ul>
Audio 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, Chinese (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, Spanish, Swedish, Tamil, Telugu, Thai, Turkish, Ukrainian, Vietnamese
Battery	<ul style="list-style-type: none"> <li>One EN-EL15a Rechargeable Li-ion Battery</li> <li>approx. 1840 shots per charge (CIPA standard), approx. 70 minutes of filming</li> </ul>
Dimensions (W × H × D)	Approx. 146 × 124 × 78.5 mm/5.8 × 4.9 × 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)



\* With an EN-EL18b Rechargeable Li-ion Battery inserted in an MB-D18 Multi-Power Battery Pack.

\* Supplied accessories \*\* Non-Nikon products † Can be downloaded from the application store of each smart device (free). †† Can be downloaded from Nikon website (free).

