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COMPARISON SHEET D810 and D800 / D800E	 D810	 D800 / D800E
Sensor and Resolution		
Sensor	35.9 x 24mm	35.9 x 24mm
Resolution	36.3 MP FX-format CMOS sensor without an Optical Low Pass Filter (OLPF)	**D800:** 36.3 MP FX-format CMOS sensor **D800E:** 36.3 MP FX-format CMOS sensor includes Optical Low Pass Filter (OLPF) with anti-aliasing properties removed
Image Quality		
Image Processing Engine	EXPEED 4 30% faster than EXPEED 3 Low noise throughout the range Supports 1080 60p Up to approx. 1200 shots per charge and 40 minutes of video recording	EXPEED 3
ISO Sensitivity Range	64 to 12,800 Lo1 (ISO 32) to Hi2 (ISO 51,200)	100-6400 Lo1 (ISO 50) to Hi2 (ISO 25,600)
File Format	12-bit and 14-bit NEF (RAW) File support JPEG- fine (approx. 1: 4), normal (approx. 1: 8), basic (approx. 1: 16) TIFF (RGB)	12-bit and 14-bit NEF (RAW) File support JPEG- fine (approx. 1: 4), normal (approx. 1: 8), basic (approx. 1: 16)TIFF (RGB)
RAW SIZE S	12-bit uncompressed	No
Picture Control	Standard, Neutral, Vivid, Monochrome, Portrait, Landscape and Flat • Flat Picture Control added: ideal for video capture • Clarity option added to all Picture Control settings • Settings can be changed in 0.25 steps for finer control	Standard, Neutral, Vivid, Monochrome, Portrait, Landscape
Metering System		
3D Color Matrix Metering III (91k RGB Sensor)	Yes	Yes
Advanced Scene Recognition System	Yes Group Area AF added	Yes
Highlight Weighted Metering	Yes Ideal for spot/stage lit scenes	No

Specifications are subject to change without notice.

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COMPARISON SHEET D810 and D800 / D800E	 D810	 D800 / D800E
Metering System (continued)		
Face-detection analysis for viewfinder shooting	On/Off possible with custom setting	Always On
White Balance		
Spot White Balance when using Live View	Yes	No
Preset White Balance	1-6 possible	1-3 is possible
Auto Focus		
AF Sensor	Advanced Multi-CAM 3500FX	Advanced Multi-CAM 3500FX
Group Area AF	Yes Five AF sensors used as a Group Optimized for subjects located within an area covered by the "Group"	No
Dynamic AF Modes	9/21/51/51 points w/3D Tracking, Group Area AF, Auto Area AF	9/21/51/51 points w/3D Tracking, Auto Area AF
Release Modes		
Frame Advance Rate	5 fps in FX/5:4 Crop Mode 6 fps in DX/1.2X Crop Mode 7 fps in DX Crop Mode with MB-D12 with AA batteries	4 fps with AF/AE 5 fps in 1.2X and DX Crop Mode 6 fps in DX Crop Mode with MB-D12 with AA batteries
Unlimited Continuous Shooting	Ideal for creating star trails CL and CH Mode: 4-30 second exposures As long as media cards battery life allow (Use third party software to merge images)	No
Image Stability Enhancements		
Redesigned Sequencer/ Balancer Mechanism	Yes Operates in Q (Quiet) or QC (Quiet Continuous Mode)	No
Electronic Front-curtain Shutter	Yes Image sensor acts as the front curtain reducing internal vibrations Activated with Custom Settings or when using Live View	No

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COMPARISON SHEET D810 and D800 / D800E	 D810	 D800 / D800E
Video		
Frame Size and Frame rate	1920 x 1080 60/30/24p (including 60p output to an external recorder under limited conditions)	1920 x 1080 30/24p
FX and DX Formats	Yes	Yes
ISO Range	ISO 64 to 12,800 Up to Hi2	ISO 100 to 6400 Up to Hi2
Simultaneous Recording: Memory Card plus External Recorder	Yes	No
Selectable Audio Frequency Range	Yes Wide/Voice	No
Interval Timer Exposure Smoothing	Yes	No
Time-Lapse Exposure Smoothing	Yes	No
Number or Images in Time-lapse/Interval Timer Sequences	Up to 9,999	Up to 999
Power Aperture Control using Internal Memory Cards	Yes	No
Auto ISO in Manual Mode for Smooth Exposure Transitions	Yes	No
Built-in Stereo Microphone	Yes	No
One Button Zoom Image Preview	Yes	No
Highlight Display (Zebra Stripes) in Live View	Yes	No

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COMPARISON SHEET D810 and D800 / D800E	 D810	 D800 / D800E
LCD Monitor		
Size and Resolution	3.2 inch Approx. 1229-K Dot	3.2 inches Approx. 921-K Dot
Live View Functions	Split Screen Display Zoom (Stills) Zebra stripes/Highlight Display (Video)	No
Camera Handling		
Ergonomics	Deeper Grip i (secondary Info) Button added for faster operation Color Customization for LCD Monitor	No
Optical Viewfinder	Improved coatings on optical glass render brighter and more accurate color Organic EL Information display makes it easier to make adjustments under bright/dim conditions	No
Full aperture metering during Live View for stills	Yes	No
Live View - Image Area	Can be selected while in Live View for stills	No
Battery	One EN-EL15 Rechargeable Li-Ion Approx. 1200 shots (in Single-frame mode, based on CIPA Standard)	One EN-EL15 battery Rechargeable Li-Ion Approx. 900 shots (in Single-frame mode, based on CIPA Standard)

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