



At the heart of the image™

COMPARISON SHEET

**D810™**  
and  
**D800™ / D800E™**



**D810™**



**D800™ / D800E™**

**Sensor and Resolution**

<b>Sensor</b>	35.9 x 24mm	35.9 x 24mm
<b>Resolution</b>	36.3 MP FX-format CMOS sensor without an Optical Low Pass Filter (OLPF)	<b>D800:</b> 36.3 MP FX-format CMOS sensor <b>D800E:</b> 36.3 MP FX-format CMOS sensor includes Optical Low Pass Filter (OLPF) with anti-aliasing properties removed

**Image Quality**

<b>Image Processing Engine</b>	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
<b>ISO Sensitivity Range</b>	64 to 12,800 Lo1 (ISO 32) to Hi2 (ISO 51,200)	100-6400 Lo1 (ISO 50) to Hi2 (ISO 25,600)
<b>File Format</b>	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)
<b>RAW SIZE S</b>	12-bit uncompressed	No
<b>Picture Control</b>	Standard, Neutral, Vivid, Monochrome, Portrait, Landscape and Flat <ul style="list-style-type: none"> <li>Flat Picture Control added: ideal for video capture</li> <li>Clarity option added to all Picture Control settings</li> <li>Settings can be changed in 0.25 steps for finer control</li> </ul>	Standard, Neutral, Vivid, Monochrome, Portrait, Landscape

**Metering System**

<b>3D Color Matrix Metering III (91k RGB Sensor)</b>	Yes	Yes
<b>Advanced Scene Recognition System</b>	Yes Group Area AF added	Yes
<b>Highlight Weighted Metering</b>	Yes Ideal for spot/stage lit scenes	No

Specifications are subject to change without notice.



At the heart of the image™

<b>COMPARISON SHEET</b> <b>D810™</b> and <b>D800™ / D800E™</b>	 <b>D810™</b>	 <b>D800™ / D800E™</b>
<b>Metering System (continued)</b>		
Face-detection analysis for viewfinder shooting	On/Off possible with custom setting	Always On
<b>White Balance</b>		
Spot White Balance when using Live View	Yes	No
Preset White Balance	1-6 possible	1-3 is possible
<b>Auto Focus</b>		
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
<b>Release Modes</b>		
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
<b>Image Stability Enhancements</b>		
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

Specifications are subject to change without notice.



At the heart of the image™

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 of 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



At the heart of the image™

COMPARISON SHEET

**D810™**  
and  
**D800™ / D800E™**



**D810™**



**D800™ / D800E™**

**LCD Monitor**

<b>Size and Resolution</b>	3.2 inch Approx. 1229k-Dot	3.0 inch Approx. 921k-Dot
<b>Live View Functions</b>	Split Screen Display Zoom (Stills) Zebra stripes/Highlight Display (Video)	No

**Camera Handling**

<b>Ergonomics</b>	Deeper Grip i (secondary Info) Button added for faster operation Color Customization for LCD Monitor	No
<b>Optical Viewfinder</b>	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
<b>Full aperture metering during Live View for stills</b>	Yes	No
<b>Live View - Image Area</b>	Can be selected while in Live View for stills	No
<b>Battery</b>	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)