



At the heart of the image™

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 <ul style="list-style-type: none"> 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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| | | |
|---|--|--|
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| 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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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 |



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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) |