Precision engineered to deliver new professional-level functionality, performance and reliability, the Nikon D300 combines innovative Nikon technologies with advanced new features to optimize all aspects of camera performance and form the ideal blend of Nikon DX-format performance.

- **New** 12.3 effective megapixel Nikon DX-format CMOS image sensor
- **New** EXPEED Digital Image Processing concept
- Selectable 12-bit or 14-bit A/D conversion with full 16-bit processing
- Nikon's new exclusive Scene Recognition System
- **New** 51-point autofocus system with advanced AF modes and 3D Focus Tracking
- Large, bright pentaprism viewfinder features frame coverage of virtually 100%.
- Rapid 6 frames per second continuous shooting up to 100 JPEG images.*
- Up to 8 fps continuous shooting for up to 100 shots** with Multi-Power Battery Pack MB-D10
- **New** Picture Control settings for fine-tuned image control
- **New** Live View with two modes for Hand-held and Tripod shooting situations
- **New** Self-cleaning Sensor Unit provides effective dust reduction
- **New** 3-in. LCD with approx. 920,000-dot resolution, 170° wide-angle viewing and rugged tempered glass protection
- Instant start-up of 0.13 s power-up and 45-millisecond shutter release time lag
- Magnesium alloy body for strength, durability and light weight
- **New** Active D-Lighting allows the choice to automatically optimize tone reproduction in both shadows and highlights during exposure

* When using Rechargeable Li-ion Battery EN-EL3e. **NORMAL-LARGE image setting, using a SanDisk Extreme IV CompactFlash card. ***When shooting in Continuous-servo AF (C) using Shutter-priority Auto [S] or Manual [M] exposure modes and a shutter speed of 1/250 s or faster with other settings at default. Continuous shooting speed for 14-bit NEF (RAW) is approx. 2.5 fps. **4 8 fps requires either 1) Multi-Power Battery Pack MB-D10 with Battery Chamber Cover BL-3 and either Rechargeable Li-ion Battery EN-EL4/EN-EL4a or eight R6/AA-size batteries or 2) AC Adapter EH-5a/EH-5, all of which are sold separately. **5 When shooting in JPEG, TIFF or 12-bit NEF (RAW) formats.
New 12.3 megapixel DX-format CMOS image sensor

Developed to provide the highest level of DX-format photographic performance and assuring response needed for virtually any shooting conditions, the new 12.3 effective megapixel DX-format CMOS image sensor for the D300 also delivers compact Nikon DX-format system size and technology advantages. Its integrated analog-to-digital converter offers the ability to select between high quality 12-bit or 14-bit conversion, and its design encompasses a broad light sensitivity range of ISO 200 to 3200, (plus Lo 1, ISO 100 equivalent and Hi 1, ISO 6400 equivalent). High-speed output enables rapid continuous shooting and realizes the new Live View shooting modes. The Optical Low Pass Filter (OLPF) not only helps prevent moiré, color fringing and shifting, but also functions as part of Nikon's first Self-cleaning Sensor Unit built into the D300.

Self-cleaning Sensor Unit

The D300’s Dust-reduction System with the new Self-cleaning Sensor Unit uses four different resonance frequencies to vibrate the OLPF in front of the image sensor and shake particles free.

Nikon’s EXPEED for a new level of processing speed and precision

Nikon’s comprehensive new EXPEED Digital Image Processing concept marks the culmination of years dedicated to advancing photographic and digital imaging technologies to best satisfy the needs of photographers. The processing system developed for the D300 applies optimized technologies based on the EXPEED concept to deliver processing power that not only extends the achievable levels of high resolution, fine detail and high image quality, but also improves system performance for faster continuous shooting, faster memory card access and the implementation of the Live View shooting modes. All internal processing is handled in full 16-bit color, rendering improved tone characteristics, finer detail and higher image quality, all at outstanding speed that exemplifies this level of precision. Additionally, lateral chromatic aberration reduction effectively reduces color bleeding around the image periphery.

The new heart of ultimate DX-format performance

Raising the bar on DX-sensor and processing performance for limitless creative possibility

- Lens: AF-S DX Zoom-Nikkor 17-55mm f/2.8G ED
- 1/250 second, f/11
- White balance: Preset manual
- ISO sensitivity: 200
- Picture Control: Standard

- Lens: AF-S DX Zoom-Nikkor 17-55mm f/2.8G ED
- 1/250 second, f/11
- White balance: Preset manual
- ISO sensitivity: 200
- Picture Control: Standard
Contribution to AF performance

Subject tracking data computed from the 1,005-segment RGB sensor greatly improves the speed and precision of automatic focus point selection, particularly for 3D-tracking and Automatic-area AF. Having recognized the color of a subject within a user-selected focus point, the system automatically traces and tracks subject movement, and even effectively predicts focus if the subject momentarily moves outside the focus points. Subject identification information is also used to distinguish your subject from the background and sky when shooting portraits.

Contribution to AE performance

The finely segmented metering data from the 1,005-segment RGB sensor enables highly detailed detection of highlight areas. The results of this highlight analysis are used to compute the range of brightness to be reproduced, which provides more accurate exposure control.

Contribution to Auto White Balance performance

Accurate light source identification is obtained as information captured prior to exposure by extracting scene characteristics while recognizing patterns. It is then applied to the auto white balance algorithms for optimal selection of white balance to match the scene.

Recognizing every scene as unique

Intelligent light, color and subject position analysis enables you to command the scene

Image shown above is for representation purposes only.
New Picture Control System
A new system developed by Nikon to respond to the needs of photographers, Picture Control makes it easy to select and apply desired adjustments and create optimized images to suit individual preferences and shooting styles. Those using multiple camera bodies will also appreciate that the same settings produce consistent picture tone on all camera models that support the Nikon Picture Control system.

It’s as easy as starting with one of the four basic setting files - Standard, Neutral, Vivid or Monochrome - as a base, or from one of up to 9 user-created custom Picture Controls. These can be directly modified for easy adjustment and customization of individual image parameters, including sharpness, contrast, brightness, color saturation, tone and the monochrome filter effects. Or, when

in Standard or Vivid, parameters can be adjusted at once using the new Quick Adjust function. The results achieved can be saved as a custom Picture Control to a CompactFlash memory card for easy transfer to another D300 or D3 camera body as well as to a computer.

Software integration maximizes workflow efficiency
The system’s intuitive interface and easy-to-master settings for creating Picture Controls and applying adjustments to images are also available within Nikon’s software programs, Capture NX®, ViewNX and Camera Control Pro 2. To maximize workflow efficiency and further expand creative freedom, custom Picture Controls created within Capture NX or Camera Control Pro 2 can also be transferred to and used in the camera.

* Optional software

Ultimate control over consistent results
Achieve finished images that match your vision, with predictable results that can be repeated even when changing camera bodies

Standard
Suitable for most shooting situations, produces results that are colorful, yet with a balanced, natural tone.

Neutral
Produces natural-looking results that establish a precedence for reproducing the subject material as observed when shooting. Well suited for faithful post-processing.

Vivid
Produces colorful results with extra punch. A handy setting when you wish to emphasize primary colors.

Monochrome
Produces customizable black & white, sepia and other monochrome images. Four filters are available for contrast control including red, orange, green and yellow.

Custom
(Left) Using preset Standard Picture Control with the following adjustments implemented: Sharpness [+7], Contrast [-2], Brightness [+1], Saturation [-2], Hue [0]. (Right) Using preset Vivid Picture Control with the following adjustments implemented: Sharpness [-4], Contrast [0], Brightness [-1], Saturation [-1], Hue [-3].

Picture Control: Standard
• ISO sensitivity: 200
• White balance: Auto
• 1/1250 second, f/5.6
• 18-200mm f/3.5-5.6G ED

Picture Control: Neutral
• ISO sensitivity: 200
• White balance: Flash
• 1/80 second, f/5.6
• 105mm f/2.8G ED

Picture Control: Vivid
• ISO sensitivity: 200
• White balance: Auto
• 1/2000 second, f/5.3
• 18-200mm f/3.5-5.6G ED

Picture Control: Monochrome
• ISO sensitivity: 200
• White balance: Auto
• 1/320 second, f/5
• 18-200mm f/3.5-5.6G ED

Picture Control: Custom
• ISO sensitivity: 400
• White balance: Auto
• 1/2.5 second, f/4.5
• 18-200mm f/3.5-5.6G ED
New 3-in. high-resolution VGA LCD monitor

The D300 features an expansive new 3-in. VGA LCD monitor. Its unprecedented approx. 920,000-dot resolution and reduced flicker digital output assures clear and detailed image display, which is invaluable for confirming focus or assessing image sharpness at up to 27 times\(^*\) magnification. A wide 170° viewing angle from all directions and bright display makes it easy to view images or confirm menu settings when shooting outdoors. Playback options include single frame, 4 or 9-image thumbnail display, as well as channel-independent RGB histogram and highlights point displays. Tempered glass channel-independent RGB histogram and or 9-image thumbnail display, as well as high-precision focal plane contrast AF using the D300’s CMOS sensor achieves pinpoint focus on the subject. And the ability to zoom in up to 13 times on the area surrounding any focus point serves as a major aid to even more precise focus adjustment.

Hand-held mode

Hand-held mode and the LCD’s 170° wide viewing angle are a great help when shooting from high or low angles that make it difficult to see through the viewfinder, such as when holding the camera above your head to shoot over a crowd. You can easily recompose the frame prior to actual shooting using standard phase-detection AF and all 51 AF points.

Tripod mode

Tripod mode is ideal for still life photography in a studio environment. High-precision focal plane contrast AF using the D300’s CMOS sensor achieves pinpoint focus on the subject. And the ability to zoom in up to 13 times on the area surrounding any focus point serves as a major aid to even more precise focus adjustment.

New Wireless Transmitter WT-4/4A\(^*\)** (optional)

Nikon’s Wireless Transmitter WT-4/4A delivers the convenience and efficiency of extended image transfer options via IEEE 802.11b/g/a wireless connections, as well as wired 10BASE-T and 100BASE-TX connections. New Thumbnail Select mode\(^*\)** permits thumbnail display of images taken with up to five wirelessly connected cameras on a computer display. Images selected by confirming the thumbnail can be downloaded and saved on the computer. With this mode, both photographer and computer operator can concentrate on their own assignments. Remote camera operation and image viewing, including the use of Live View, is also available when the Wireless Transmitter WT-4/4A is used in conjunction with optional Camera Control Pro 2.

ViewNX

Designed to support the viewing and assessment of large collections of images in full size or handy thumbnail sizes, ViewNX (available as part of the Software Suite CD-ROM) makes it easier to browse, compare and organize files. Moreover, compatibility with Capture NX enables a productive workflow.

ViewNX System Requirements (Ver. 1.0)

- **Windows:**
  - Preinstalled versions of Windows Vista Professional, Windows Vista Business, Windows XP Professional SP2, Windows 2000 Professional SP4
  - Intel* Celeron/Pentium 4/Core series 1 GHz or higher
  - Intel® M 330 or higher (Recommended: 1 GHz or higher)
  - 512 MB or more recommended (Windows Vista 1 GB required, 2 GB recommended)
  - 50 MB required for installation, 1 GB or more recommended
  - CD-ROM drive required for installation

- **Macintosh:**
  - Power PC G4/G5, Intel* Core series / 1 GHz or higher
  - 500 MB required (Windows Vista 1 GB recommended)
  - Macintosh: XGA (1024 x 768 or more) with 16.7 million colors or more recommended

File compatibility

- Windows: JPEG (full size or handy thumbnail sizes recommended)
- Macintosh: JPEG (full size or handy thumbnail sizes recommended)
- Other image data of Nikon digital cameras and image dust off data created by Nikon digital camera software

Supported software: Camera Control Pro 2, Capture NX, ViewNX, ViewNX Editor (available as part of the Software Suite CD-ROM)

* Universal binary compliant

** ViewNX is not supported by Macintosh.
**Optimized color space**
A selection of two color spaces is available to best match the specific subject, assignment, or workflow environment. The default sRGB setting is well suited when images are to be played back or printed as taken, without editing or post-processing. The Adobe RGB setting realizes a wider color reproduction range for high-quality or commercial output that requires a wider color gamut.

**Magnetic alloy body**
The magnetic alloy body for the D300 combines rugged durability with mobility, and features an enhanced sealing system that helps protect against moisture and dust.

**Histogram and channel-independent hypnotic displays**
Accurate histogram and channel-independent hypnotic displays aid in quickly confirming exposure. All three color channels can be represented as a white using conventional RGB display, while selectable RGB allows each color channel to be viewed independently to assist exposure and white balance adjustment decisions.

**Multiple Exposure**
Multiple Exposure is a custom shooting option that allows for imaginative results by composing multiple images. For up to four complete selections allow instant switching to the optimized selection for the shot.

**Optimized battery performance**
The high-energy Rechargeable Li-ion Battery EN-EL3e delivers enough power to shoot up to approx. 1000 continuous images on a single charge\(^1\) (up to approx. 3000 shots\(^2\)) when using the Multi-Power Battery Pack MB-D10 with Rechargeable Li-ion Battery EN-EL4a installed, in addition to the EN-EL3e installed inside the camera body.

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\(^1\) Based on CIPA standards with an AF-S VR 24-120 mm f/3.5-5.6G ED lens.
\(^2\) Speed is based on data for up to 1000 continuous shots at approx. 7fps. EN-EL3e installed inside the camera body.

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**Intuitive handling, total reliability**
Every button, control and function is designed to enable creative freedom.
Ultimate optical performance

Nikkor lenses

The image quality achieved by any SLR camera system is directly influenced by the quality of the lenses it can accommodate; and none equal the performance and quality of Nikon's AF, AF-S and dedicated DX Nikkor lenses. Each Nikkor lens represents the company's 90-year heritage of developing the finest components and building processes to produce industry-leading optics with precision mechanisms and optimized performance.

ED and Super ED glass elements compensate for magnification and help correct chromatic aberration. Exclusive Nano-Crystal anti-reflective coating prevents reflection better than conventional lenses to reduce flare and glare, especially under strong lighting.

AF-S DX Zoom-Nikkor 17-55mm f/2.8G ED

Wide angle zoom lens exclusively for use with Nikon DX-Format digital SLRs (Picture angle equivalent to a 25-82.5mm lens in 35mm and FX-formats)

AF-S DX Zoom-Nikkor 18-200mm f/3.5-5.6G ED

A compact and lightweight high-power zoom lens for Nikon digital SLRs, featuring enhanced Vibration Reduction (Picture angle equivalent to a 27-300mm lens in 35mm and FX-formats)

The VR lens advantage

Simply stated, Nikon's advanced Vibration Reduction system for reducing the image degrading effects of camera shake enhances the performance capabilities of in-camera image stabilization systems. The VR II optical lens mechanism of Nikon's lens-based image stabilization systems. The VR II optical lens mechanism of Nikon's lens-based image stabilization systems. The VR II optical lens mechanism of Nikon's lens-based image stabilization systems. The VR II optical lens mechanism of Nikon's lens-based image stabilization systems.

Full support for Nikon's Creative Lighting System

The D300 also works seamlessly with Nikon SB-800, SB-600, SB-400 and SB-R200 Speedlights, delivering the full benefits of i-TTL flash control's advanced monitor pre-flash, accurate bounce-flash measurement and comprehensive wireless operation*.

Advanced flash control

The built-in flash in Nikon's Creative Lighting System lets the built-in flash function as a wireless remote commander that provides direct, two-group wireless control over SB-800, SB-600 and SB-R200 Speedlights.

Built-in Flash with i-TTL flash control

The powerful built-in flash does much more than fire when natural lighting is inadequate or effectively add balance and fill flash when there is strong backlighting.

Nikon's highly robust i-TTL flash control evaluates flash exposure with greater precision to achieve better automatic flash balance and deliver outstanding results. Full support for the Advanced Wireless Lighting System lets the built-in flash function as a wireless remote commander that provides direct, two-group wireless control over SB-800, SB-600 and SB-R200 Speedlights.

Full support for Nikon's Creative Lighting System

The D300 also works seamlessly with Nikon SB-800, SB-600, SB-400 and SB-R200 Speedlights, delivering the full benefits of i-TTL flash control's advanced monitor pre-flash, accurate bounce-flash measurement and comprehensive wireless operation*.

FV (Flash Value) Lock

FV (Flash Value) Lock is the flash equivalent of AE Lock, allowing the photographer to change composition while maintaining a desired flash value.

Repeating flash function

Repeating flash function serves as an excellent advantage for capturing fast-moving subjects.

Modeling Flash

Modeling Flash fires a one-second (approx.) stroboscopic burst, enabling the photographer to visually check for shadows and reflective objects and assess overall lighting prior to shooting.

Auto FP High-Speed Sync

Auto FP High-Speed Sync operating with the optional SB-800 or SB-600 Speedlights allows flash synchronization in all exposure modes at shutter speeds up to 1/8000 second - providing fill flash that achieves effective background blur, even when shooting in bright conditions or at High ISO values.

Advanced lighting control

Nikon's Creative Lighting System provides advanced control and incredible flexibility to fully empower the creative process.

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Advanced lighting control

Nikon’s Creative Lighting System provides advanced control and incredible flexibility to fully empower the creative process.
Elegant versatility for efficient workflow
Nikon’s latest software provides efficiency and flexibility to help achieve maximum quality consistently and with minimal effort.

**U Point™ technology**
Patented U Point™ technology allows easy selection of image areas according to points of interest, and turns the application of effects and enhancements into an intuitive photographic process. U Point™ combines with the extensive Nikon Capture toolbox to offer an unsurpassed set of features that release the power of NEF (RAW) files, and also turn processing and editing of JPEG and TIFF files from almost any digital camera into an easy process.

**Raw adjustments**
Photographers can freely manipulate white balance, color balance, tone curves and noise reduction for NEF (RAW) files after shooting. The results can be saved and multiple renditions created, all with the assurance that the RAW data for the original shot contained within each NEF (RAW) file is permanently retained.

**Picture Control system support**
Any custom Picture Controls you create can be used for image processing with Capture NX.

**Control points**
Control points make it easy to adjust brightness, contrast, saturation, hue, red, green, blue, warmth, and much more.

Control points were used to add the effect of light hitting the surface of the arched rock in the foreground and to bring life to the color and texture of the distant rocks on the right side by adjusting brightness, contrast and saturation. The sky was then enhanced by bringing out its blues and the reds of the mountains in the background were adjusted to depict dawn light, resulting in an image that faithfully reproduces the impression the scene left when taking the shot.

**Selecting tools**
Capture NX offers a range of selective tools for applying over 25 enhancement styles, including the Brush, Lasso, Marquee, Gradient and Fill/Remove tools.

**Lens correction tools**
A trio of original tools help expand imaging possibilities for a wider variety of lenses by compensating for lens effects such as vignette in corners, pincushion and barrel distortion, or color fringing.

**D-Lighting**
D-Lighting allows photographers to manipulate shadows and highlights while maintaining mid-tones to produce optimized results from images with areas of under or overexposure. Choose from D-Lighting HQ when quality is the priority, or D-Lighting HS for high-speed results.

**Picture Controls**
Picture Controls can be applied to NEF image files taken with other cameras. Moreover, you can freely open and modify Picture Controls within Picture Control Utility.

**Control Point: Size**
Control points can be adjusted in size, brightness, contrast, saturation, hue, red, green, blue, warmth, and much more.

**Capture NX System Requirements**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU/Model</td>
<td>Macintosh: Mac OS X (version 10.3.9 or later)</td>
<td>RAM ◆ Windows: 512 MB or more (1 GB or more recommended)</td>
</tr>
<tr>
<td>Display</td>
<td>800 x 600 (all elements may not be properly displayed, 1024 x 768 or more recommended) with 16-bit color (High Color), or 24-bit color (True Color) recommended</td>
<td>Hard disk ◆ Windows XP: 200 MB or more (1 GB or more recommended)</td>
</tr>
<tr>
<td>Others</td>
<td>◆ Additional installation of latest software updates available online via the Nikon website may be required.</td>
<td>Other tools that enhance Capture NX’s unique capabilities include: Browser, Batch processing, Edit List, Red-Eye Reduction, Version, Advanced Noise Reduction and other useful functions</td>
</tr>
</tbody>
</table>

**Capture NX**
The highly versatile photo editing solution Nikon’s Capture NX software provides easier access to powerful and visually intuitive enhancement tools that help photographers tap the full potential of the extended range and versatility of NEF (RAW) images. Capture NX also supports JPEG and TIFF processing to satisfy a broader range of photofinishing needs and applications.

**Raw adjustments**
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D-Lighting allows photographers to manipulate shadows and highlights while maintaining mid-tones to produce optimized results from images with areas of under or overexposure. Choose from D-Lighting HQ when quality is the priority, or D-Lighting HS for high-speed results.
10-pin remote connection
The 10-pin connection terminal extends flexible remote shooting possibilities by supporting use of accessories such as the Remote Cord MC-30/MC-38 and Modulite Remote Control Set ML-3.

GPS (Global Positioning System) support
NMEA 0183 (ver. 2.01 and 3.01) compliant GPS units can be connected via the optional GPS Cable MC-35 to record latitude, longitude, altitude, heading (direction) and UTC (Coordinated Universal Time) information directly to the file for each shot.

HDMI high definition video output
HDMI (High Definition Multimedia Interface) connectivity makes it possible to enjoy high-quality HDTV display that is compliant with global standards for the transmission of digital image and digital audio signals.

Full array of system expansion options
Nikon’s Total Imaging System makes it easy to customize system setups and optimize performance for specific shooting requirements.

PictBridge support
Pictures can be printed by simply connecting the D300 to any PictBridge compatible printer via the supplied USB cable and giving the command. Camera page setup makes printing easier while also affording finer control over the results.

Image Authentication Software (optional)
When the authenticity of an image needs to be proven or verified, Nikon’s exclusive Image Authentication function can readily confirm if the original image data has been tampered with, and also if any changes have been made to date and GPS information.

Memory Card Capacity and Image Quality/Size
The following table shows the approximate number of pictures that can be stored on a 2 GB SanDisk Extreme III (SDCFX) card at different image quality and size settings.

<table>
<thead>
<tr>
<th>Image Quality</th>
<th>Image Size</th>
<th>File Size</th>
<th>Number of Available Shots</th>
<th>Number of Successive Shots Available 1/2**</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEF (RAW)</td>
<td>Uncompressed, 12-bit</td>
<td>Approx. 13.8 MB</td>
<td>98 shots</td>
<td>18 shots</td>
</tr>
<tr>
<td>NEF (RAW)</td>
<td>Uncompressed, 14-bit*</td>
<td>Approx. 16.7 MB</td>
<td>75 shots</td>
<td>21 shots</td>
</tr>
<tr>
<td>NEF (RAW)</td>
<td>Compressed, 12-bit</td>
<td>Approx. 11.3 MB</td>
<td>135 shots</td>
<td>21 shots</td>
</tr>
<tr>
<td>NEF (RAW)</td>
<td>Compressed, 14-bit**</td>
<td>Approx. 14.2 MB</td>
<td>112 shots</td>
<td>27 shots</td>
</tr>
<tr>
<td>NEF (RAW)</td>
<td>Uncompressed, 12-bit</td>
<td>Approx. 19.4 MB</td>
<td>98 shots</td>
<td>17 shots</td>
</tr>
<tr>
<td>NEF (RAW)</td>
<td>Uncompressed, 14-bit**</td>
<td>Approx. 25.3 MB</td>
<td>70 shots</td>
<td>16 shots</td>
</tr>
<tr>
<td>TIFF (RGB)</td>
<td>Uncompressed</td>
<td>Approx. 35.6 MB</td>
<td>53 shots</td>
<td>16 shots</td>
</tr>
<tr>
<td>JPEG FINE**</td>
<td>M</td>
<td>Approx. 19.4 MB</td>
<td>220 shots</td>
<td>29 shots</td>
</tr>
<tr>
<td>JPEG FINE**</td>
<td>S</td>
<td>Approx. 21.9 MB</td>
<td>168 shots</td>
<td>23 shots</td>
</tr>
<tr>
<td>JPEG NORMAL**</td>
<td>M</td>
<td>Approx. 11.8 MB</td>
<td>280 shots</td>
<td>37 shots</td>
</tr>
<tr>
<td>JPEG BASIC*</td>
<td>M</td>
<td>Approx. 5.7 MB</td>
<td>523 shots</td>
<td>100 shots</td>
</tr>
<tr>
<td>JPEG BASIC*</td>
<td>S</td>
<td>Approx. 3.3 MB</td>
<td>933 shots</td>
<td>200 shots</td>
</tr>
<tr>
<td>JPEG BASIC*</td>
<td>L</td>
<td>Approx. 1.2 MB</td>
<td>3980 shots</td>
<td>1000 shots</td>
</tr>
</tbody>
</table>

* All figures are approximate. File sizes vary with scene recorded.
* Maximum number of exposures that can be stored in memory buffer. Capacity of memory buffer will drop if noise reduction is on. Status of optimal quality is selected for JPEG Compression. ISO sensitivity is set to 800 or higher. High ISO MB is on when auto bracketing is set to 3 shots or more, or when continuous release, time delay shooting, or image preview using D-Lighting is selected. (3 shots or more).
* Maximum frame rate when recording 14-bit NEF (RAW) images is 3 fps.
* JPEG FINE (large) has a larger file size but supports the 16:9 aspect ratio. If a compatible printer does not support the 16:9 aspect ratio, it will be printed at full size (4:3 aspect ratio).
* JPEG FINE (large) with the D90 is recognized as JPEG FINE (large).
Nikon Digital SLR Camera D300 Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>Effective pixels</th>
<th>Image sensor</th>
<th>Size (pixels)</th>
<th>File format</th>
<th>Picture Control</th>
<th>Features</th>
<th>Lens</th>
<th>Media</th>
<th>File system</th>
<th>Viewfinder</th>
<th>Built-in flash</th>
<th>Flash control</th>
<th>White balance</th>
<th>White balance</th>
<th>Playback</th>
<th>Interface</th>
<th>USB</th>
<th>Battery</th>
<th>Battery pack</th>
<th>Tripod socket</th>
<th>Dimensions and weight</th>
<th>Operating environment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-lens reflex digital camera</td>
<td>Approx. 1.5 x lens focal length (Nikon DX format)</td>
<td>23.6 x 15.8 mm CMOS sensor</td>
<td>4,288 x 2,848 (L)</td>
<td>2,144 x 1,424 (S)</td>
<td>Can be selected from Neutral, Vivid, Monochrome</td>
<td>Can be selected from [High], [Normal] or [Low]</td>
<td>Electronic range finding supported</td>
<td>2 to 9 frames in steps of 1, 2 or 3</td>
<td>Live View</td>
<td>Hand-held, Tripod</td>
<td>Manual (M)</td>
<td>Auto (Auto)</td>
<td>Supported languages</td>
<td>Chinese (Simplified and Traditional), Dutch, English, Finnish, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Swedish</td>
<td></td>
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</tr>
</tbody>
</table>

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**Exposure**

- **Metering:** TTL exposure metering using 1,005-segment RGB sensor
- **Metering method:** Matrix
- **Shutter Speed:** 1/320 s; synchronizes with shutter at 1/320 s
- **Flash:** Top/bottom of frame centered on selected focus point

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**Tripod socket**

- 1/4 in. (ISO 1222)

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**Dimensions and weight**

- Approx. 147 x 114 x 74 mm / 5.8 x 4.5 x 2.9 in.
- Approx. 825 g / 1 lb. 13 oz. without battery, memory card, body cap or monitor cover

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**Operating environment**

- Temperature: 0–40°C (32–104°F)
- Humidity: Less than 85% (no condensation)

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**Supplied Accessories**

- Rechargeable Li-ion Battery EN-EL3e
- Optional Multi-Power Battery Pack MB-D10 with one Rechargeable Li-ion Battery EN-EL3e
- EN-EL4/EN-EL4a, eight R6/AA-size alkaline, Ni-MH, lithium, or nickel-manganese batteries; Rechargeable Li-ion Battery EN-EL4/EN-EL4 and R6/AA-size batteries available separately; Battery Chamber Cover BL-3 (available separately) required for use with Rechargeable Li-ion Battery EN-EL4/EN-EL4a
- AC adapter: AC adapter EH-6A/EH-5 (available separately)