The sensor’s 24.5 megapixels are only the beginning. No matter how you shoot – tightly controlled or on the fly – the camera’s phenomenally wide dynamic range retains subtlety of shadow and highlight detail that contributes to breathtaking image fidelity, which can make the difference between good pictures and exceptional ones.

- Fast 14-bit A/D conversion incorporated onto the image sensor for high signal-to-noise ratio and low power consumption
- 24.5 megapixels, each pixel specially designed to carry larger electrical charges for outstanding light transmission properties, delivering a wider dynamic range
- Exclusive low-pass filter with multi-layer coating for pristine resolution and minimized moiré

Images with the X-factor are what your clients expect and your reputation deserves. Nikon’s EXPEED processing system is much more than a mere label or processing chip component. The EXPEED at work in the D3X is designed specifically to meet the requirements of a 24.5-megapixel sensor. The results will exceed the expectations of any photographer whose work requires extreme resolution, rich tonal gradation, outstanding color accuracy and remarkable detail. Commercial and fine art photographers will immediately see that the D3X cuts no corners.

- Nikon’s EXPEED image processing system, utilizing a supremely powerful CPU with 16-bit image processing
- Faithful, pleasingly saturated color throughout the palette, with smooth tonal gradations, even in highlights
- Fast and efficient processing speed
Not every subject poses for the camera. Whether it’s on the catwalk, in the studio or roaming in the wild, photographers must capture their subject beautifully and accurately. With its 51 individually selectable AF points, the D3X autofocus system is the same as the acclaimed Nikon D3, which has become the preferred choice of so many of the world’s leading sports and news photographers by delivering tack-sharp images, even when shooting moving, low-contrast or poorly lit subjects.

- 51 AF points to track and capture both moving and stationary subjects
- 15 cross-type AF sensors that work with any NIKKOR lens f/5.6 or faster
- Versatile AF-area modes: Single-point AF, Dynamic-area AF, and Auto-area AF

The logic is simple: a camera that functions naturally in your hands allows creative work to flow. The D3X features Nikon’s world-renowned ergonomics, placement of controls and intuitive menu systems to help you follow your instincts instead of interrupting your flow to adjust settings or scroll through menus. Every texture and control has been meticulously designed to maintain your momentum and remain comfortable in your hands for as long as it takes to complete the assignment.
Spectacular images can be found far beyond the controlled confines of the studio. Unlike less robust 36x24mm D-SLRs or more cumbersome medium-format equipment, the D3X was designed to be at home both on the set and on location. Its performance-tested body is similar to the world-renowned D3, which has proven that it can withstand the worst of what the world’s leading news photographers can throw at it. Wherever you are, the D3X delivers studio-quality images in an agile body that can withstand the elements.

- Rugged magnesium alloy construction
- Comprehensive protection against moisture, dust and even electromagnetic interference
- A shutter unit tested inside the camera to exceed 300,000 cycles
- A self-diagnostic shutter monitor for more consistent and assured performance accuracy

Whether it’s the world-renowned NIKKOR lenses or the industry-leading Speedlight system, shooting with a D3X opens the door to a range of creative opportunities that only Nikon can offer. The Nikon Total Imaging System, backed up by the Nikon Professional Services (NPS)* network is there to help you realize your vision, or even stimulate new ones.

- Compatible with the extensive NIKKOR lens range, including fisheye, ultra-wide angle, zoom, telephoto, super-telephoto, micro and PC lenses
- Nano-crystal coating on NIKKOR lenses for spectacular clarity, as well as minimized ghost and flare effects during harsh lighting
- NIKKOR Vibration Reduction to effectively compensate for blur caused by camera shake
- The industry-leading Nikon Creative Lighting System, including portable and versatile Nikon Speedlights
- Wireless Transmission, GPS input, HDMI output interfaces
- A comprehensive suite of workflow software to manage, edit, control and authenticate your important files

*These services are for NPS members.
D3X: On Assignment
Four of the world’s top professional photographers worked with the D3X on a variety of assignments.

For studio shooting, the D3X’s resolution is amazing, rivaling digital medium-format camera offerings. Tonal gradation is very smooth and even, and the color rendering is perfect for fashion and beauty. It is always thrilling for me to see the range of colors in my mind realized in the final result, and the D3X did exactly that. This camera really impressed me during our beach shoot. The beautiful tonal gradation allowed me to experiment freely in difficult light without worrying about losing detail in the brightest and darkest areas. As I shot that day, I realized that with this D3X, the challenges of harsh contrast, backlighting and sudden lighting and weather changes that once made location shooting difficult for fashion photographers are now diminished significantly. The fast autofocus and incredible frame rate also gave me the chance to catch the perfect moment in every kind of weather. Even when shooting in the rain, the D3X’s brilliant autofocus was always sharp and precise, and the camera’s agility and rugged build made it much easier to handle than a medium-format camera. No matter what the conditions were – hot sun, strong wind or even heavy rain – the Nikon D3X performed.

Studio work is a game of millimeters: the slightest move can dramatically change an image and ruin what you have painstakingly shot. The D3X gives me the mobility of a 35mm D-SLR, which opens up to me new opportunities for photographers in my line of work. Without being restrained by a camera stand, commercial and product photographers can now handhold the camera to freely seek an ideal perspective. This can save hours of setup time, as medium-format stands and accessories are cumbersome and require numerous tedious adjustments. For me, however, the biggest surprise of the D3X was the image quality. As a studio still life photographer making my living with expensive medium-format digital equipment, I was skeptical about what any D-SLR could deliver. At the beginning, I was certain that the D3X imager would be vastly inferior to the medium format. The price difference alone between these two systems should be enough to explain the quality difference. However, it did not take long to discover that my presumptions were completely wrong. The image quality of the D3X is far better than I anticipated, it would not be an exaggeration to say it was fifty times better than my expectations. The resolution is impressive, and the bokeh reproduction is spectacular, especially when using the PC-E Micro NIKKOR 85mm f/2.8D. Another benefit I see is the D3X’s ability to focus sharply with wide-angle lenses in ways that are simply impossible with the medium format. With all of these benefits, I am certain that the D3X will make a big splash in the studio photography world.

The D3X’s control layout is virtually identical to my trusted Nikon D3, which means that I know exactly where everything is and how it works so I can get on with the job. However, the huge increase in resolution and detail is immediately apparent when reviewing the image on the rear LCD. It was later, on a computer monitor, that I discovered image information that I simply couldn’t see with my own eyes at the time. Looking at my files, I suddenly realized that I’ve got the image quality of a medium-format camera in the familiar and ergonomic form of a 35mm D-SLR. I can use my huge range of NIKKOR lenses – including many zooms and VR optics – at focal lengths not available with medium-format systems. I can also use all my Nikon Speedlights and other accessories.

When Nikon asked me to take a D3X camera on my safari in Kenya, I was at first skeptical. But my reservations disappeared soon after I handled this camera. The D3X maintains the incredible ergonomic design, ease of menu choices and fantastic high-resolution rear LCD as the D3, but the most important addition is its 24.5-megapixel FX-format sensor. This translates into detail, detail and more detail. An incredible amount of information lies in each full-frame image, but 24.5 megapixels also mean that photographs can be cropped into panoramic formats and still retain amazing detail. On this trip, I carried an assortment of lenses, but relied heavily on my two favorite safari lenses: the AF-S NIKKOR 500mm f/4G ED VR and the AF-S VR Zoom-Nikkor 200-400mm f/4G IF-ED. The D3X worked extremely well with each lens despite all the difficult shooting scenarios that a safari can present. With the D3X, I get Nikon’s exceptional handling, fast autofocus and an increased dynamic range, as well as 5 frames per second in FX format and 7 frames per second in 16-megapixel DX crop format. Combine these features with extreme resolution and NIKKOR optics and I know I’ll be able to get the pictures I want. I was greatly impressed with the D3X. From landscape to wildlife, the versatility of the camera is truly amazing.

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Nikon Digital SLR Camera D3X Specifications

**Type**
- Single-lens reflex digital camera

**Lens Mount**
- Nikon F-mount with AF and AF-C contacts

**Effective Pixels**
- 24.5 million

**Image Sensor**
- CMOS sensor, 35.9 x 24.0 mm; Nikon FX format

**File Format**
- 1) NEF (RAW)*: 12 or 14 bit, lossless compressed, compressed, or uncompressed

**File System**
- Compliant with DCF 2.0, DPOF, Exif 2.21, and PictBridge

**Picture Control System**
- Four setting options: Standard, Neutral, Vivid, Monochrome; each option can be adjusted

**Image Sensor**
- CMOS sensor, 35.9 x 24.0 mm; Nikon FX format

**2) Center-Weighted**: Weight of 75% given to 12-mm circle in center of frame, diameter of

**3) Spot**: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on

**Release Modes**

**AF-Area Mode**
- 1) Single-point AF, 2) Dynamic-area AF [number of AF points: 9, 21, 51 3D-Tracking]

**Focus**
- Autofocus: Nikon Multi CAM 3500F autofocus sensor module with TTL phase-detection; 51 focus points (including 15 cross-type sensors), AF fine tuning possible

**Flash**
- 1) TTL flash control with 1,005-pixel RGB sensor; i-TTL balanced fill-flash and standard 

**Live View**
- Modes: Handheld mode: TTL phase-detection AF with 51 focus areas (15 cross-type sensors)

**Monitor**
- 7.5 cm (3 in.), approx. 920,000-viewable, 100% frame coverage, low-temperature polysilicon TFT LCD with brightness adjustment

**Power Source**
- One Rechargeable Li-ion Battery EN-EL4a/EL4, Quick Charger MH-22

**Battery**
- 1/4 in. (ISO 1222)

**Dimensions/Weight**
- 194.5 x 129 x 75.6 mm, 729 g

**Dimensions/Weight**
- Approx. 50 x 76 x 96 mm

**Operating Environment**
- Temperature: 0–40°C/32–104°F

**Accessories**
- Rechargeable Li-ion battery EN-EL4a, Quick Charger MH-22/21

**Supplied Accessories**
- Rechargeable Li-ion Battery EN-EL4a/EL4, Quick Charger UC-E4, Audio Video Cable EC-6, Camera Strap AN-D3X, Body Cap, Accessory Shoe Cover BS-2, Eyepiece DK-17, 1/4 x 1/4, ISO 519 sync terminal with locking thread

**Supported Languages**
- Chinese (Simplified and Traditional), Dutch, English, French, German, Italian,

**Supported Functions**
- Seven manual modes can be preset with fine-tuning; color temperature setting; white

**Flash Control**
- TTL flash control with 1,005-pixel RGB sensor; i-TTL balanced fill-flash and standard 

**Sync Terminal**
- ISO 519 sync terminal with locking thread

**Supplied Accessories**
- Rechargeable Li-ion Battery EN-EL4a/EL4, Quick Charger UC-E4

**Flash-ready Indicator**
- Lights when Speedlight such as SB-900, SB-800, SB-600, SB-500, SB-700, SB-1000, SB-400, SB-50DX is fully charged; blinks after flash is fired at full output

**Eye Cup Holder**
- With Speedlights such as SB-900, SB-800, SB-700, SB-600, SB-400, SB-300DX, SB-500DX is fully charged; blinks after flash is fired at full output

**Typical Battery Life**
- With SB-900 flash in use, approx. 400 shots

**Overview**
- Nikon Digital SLR Camera D3X Specifications

**Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer, April 2011 © 2011 Nikon Corporation**