Nikon studied every aspect of performance and applied a full range of advanced technology to create the next-generation professional digital SLR for photojournalism, action, and sports. The D2x incorporates a surpassing combination of speed, resolution, handling and faster workflow for Total Image Quality and total system performance.

**Advanced Nikon Technologies Culminate in Higher Speed and Sharper, Highly Accurate Performance**

**Unparalleled Continuous Shooting**

Shoot at 8 frames per second for up to 40 consecutive JPEG or 28 RAW (NEF) full-resolution (2,448 x 1,632 pixel) images.

**Amazingly Short 3.7ms Shutter Time Lag**

The D2x is responsive as the Nikon F5 professional film SLR.

**Instant Power-up**

The D2x is ready to picture the instant it is turned on.

**New Nikon DX Format JPEG Imaging Sensor LBCAST**

Nikon’s exclusive new LBCAST-JPEG imaging sensor features higher speed, higher resolution, lower power consumption, and minimal dark noise. Its innovative design also eliminates the need to perform fixed pattern noise correction at power-up to deliver the instant responsiveness professionals need to capture the moment. And, the new Thinner Optical Low Pass Filter (OLPF) effectively suppresses moiré patterns.

**New High-speed, High-precision 11-Area AF System with 9 Cross-Type AF Sensors**

The new advanced Multi-CAM 2000 AF Sensor Module ensures quick response and razor-sharp focus regardless of shooting conditions. The system features 11 sensors of which 9 are cross-type sensors that effectively cover the majority of the image area.

- **Single Area AF**
- **Dynamic AF with Focus Tracking and Lock-on**
- **Closest Subject Priority Dynamic AF**
- **Group Dynamic AF**

**Innovative imaging process raises Nikon Total Image Quality to higher levels of performance**

**Improved Image Processing Algorithm**

The new highly advanced image-processing engine features 3D Matrix Image Control and innovative technologies that deliver subtle color gradations and smooth diagonal lines while diminishing color fringe and false colors. The result is a superior balance of high speed and faithful color reproduction with sharper details.

**New Generation Color Reproduction System**

Select from three optimized color modes to best match the color gamut and rendering required for differing assignments and workflow environments.

- Mode I: Optimized for portraits and natural skin tones (sRGB)
- Mode II: Optimized to realize a wide color gamut (Adobe RGB)
- Mode III: Optimized for landscapes and flora colors (sRGB)

**New JPEG and RAW (NEF) Combination Filing System**

Simultaneous recording of RAW (NEF: Nikon Electronic Image File) and JPEG data for the same shot to the camera’s CompactFlash™ or Microdrive™ media helps optimize and speed up workflow operations.

**New Auto White Balance / Auto Tone Control System**

New metering technology for the D2x combines three separate sensors to achieve refined Auto White Balance (AWB) and Auto Tone Control (ATC). Nikon’s acclaimed 1,000-pixel RGB Exposure / Color Matrix Metering Sensor performs direct TTL metering of the subject. The LBCAST sensor calculates the lighting characteristics of the actual image data. And, the new external Ambience Light Sensor meters ambient light without being affected by the color of the subject, while also recognizing light flicker to distinguish artificial from natural light. Revised integrated signal processing and AWB and ATC algorithms contribute to deliver refined color and tone reproduction under different light conditions. New easy-to-use preset WB controls were also developed for the new system.

**Real-time Noise Reduction**

**Voice Memo**

Built-in Interval timer

**A New Nikon Design Identity that Speaks of Greater Reliability, Ruggedness and Enhanced Handling**

**Size and Strength Professionals will Appreciate**

The D2x features a durable, lightweight and compact magnesium (Mg) alloy body with a sealing system that is highly resistant to drops of water and dust. Its large buttons and controls are placed logically to make access and operation easier.

**Extra Large 2.5-inch 211,000-pixel LCD Monitor**

The high-resolution LCD monitor has a resilient tempered glass surface and features clearer viewing of menus, histogram and other playback modes. One-Touch Zoom, and new on-demand information.

**A Viewfinder Made to Please the Pros**

The eye-level viewfinder features virtually 100% frame coverage.

**New Lithium-ion Battery System**

The new compact lithium-ion battery combines light weight, high energy capacity and extended life. First of its kind, it can be recharged at any time. An accurate indicator on the camera’s LCD monitor displays the percent of remaining charge, the status of the battery’s life, and recommends calibration when necessary.

**Seamless integration with the Nikon Total Imaging System for smoother workflow and greater productivity**

**Fast & Convenient USB 2.0 (Hi-Speed) Interface**

**Wireless Transmitter WT-1 (optional)**

The new Wireless Transmitter attaches to the camera bottom and connects to the USB 2.0 port to realize wireless transfer of images directly to any IEEE 802.11b compatible access point without restricting movement.

**Integrated Nikon Software Solutions**

Optional Nikon Capture 4 software is a comprehensive image-editing and remote camera control package that fully supports RAW (NEF: Nikon Electronic Image File), TIFF and JPEG images shot by the D2x and other Nikon digital SLRs. An advanced algorithm converts 12-bit RAW (NEF) images for 16-bit processing while preserving the original data as a permanent archive.

Capture 4 adds:

- **Image Dust Off** sensor dust & particle removal control tool.
- **Digital DET** scene-specific automatic dodge and burn control.
- **Transformation of shots from the DX Fish eye 10.5mm lens to rectangular ultra-wide images**

Versatile functions of the bundled NikonView software simply data transfer and browsing of image files. Improvements to the new version include faster browsing, viewer and data transfer functions, and easier editing.

**New Creative Lighting System**

Nikon’s new Speedlight SB-400 with i-TTL flash control further evolves D-TTL to introduce features that include Flash Value Lock (FVLock), AUTO FP High-Speed Sync, and Flash Color Information Communication. Also new is the Wide Area AF Assist Illuminator that is tailored to the D2x’s new 11-area AF system.

The D2x is optimized to take full advantage of the new i-TTL system, which supports Advanced Wireless Lighting and versatile functions for up to 3 remote i-TTL speedlight groups controlled through the master SB-800. The D2x is also compatible with the D-TTL flash control of Nikon SB-80DX/50DX/28DX Speedlights and hard-wired multiple flash control.

**The Nikon Lens Lineup and New DX Nikkor Lenses**

The D2x is compatible with AF Nikkor lenses. The advent of DX Nikkor lenses, designed exclusively for use with Nikon DX format digital SLRs, extends coverage to the ultra-wide-angle range while providing superior optical performance in a lightweight, compact design. Two new DX Nikkor lenses now join the AF-S DX Zoom-Nikkor 12-24mm f/4G IF-ED to further expand this range: the AF-S DX Zoom-Nikkor 17-55mm f/2.8G IF-ED and the AF-S DX Nikkor 28-80mm f/3.5-5.6G ED.

The D2x uses the Vibration Reduction Lens Imprint in the AF-S VR Zoom-Nikkor 200-400mm f/4G IF-ED.