Quality means innovations that produce finer gradations and smoother transitions across the color range. Behind this is a revolutionary new system that pre-conditions the color channel-independent data from the image sensor prior to A/D conversion—which is combined with improved digital image processing algorithms that further raise the level of precision.

Accurate tones and smooth transitions with color stability as never before

Quality means all systems are optimized to deliver accurate color, even when shooting under rapidly changing light. The D2®X features advanced Auto White Balance and Auto Tone Control Systems refined with new algorithms to analyze the colors and lighting of the scene. Three different color mode settings for Adobe RGB and two for sRGB expand color rendering options for versatile workflow efficiency.

Faithful color reproduction under challenging shooting conditions

Quality means uncompromising performance while shooting at a full 12.4 million pixels with the high resolution and sharp detail needed for large prints and close crops. High-speed 4-channel independent data output from the new DX Format CMOS image sensor and new high-resolution image processing engine work seamlessly with optimized systems throughout to provide this unprecedented performance.

The new definition of professional quality

Nikon has integrated the best of its world-leading camera expertise with stunning advances in digital technologies to realize the only digital SLR camera truly equipped to meet the changing landscape of professional photography. The Nikon D2®x blends for the first time the high levels of resolution commercial clients demand with class-leading levels of speed, handling and consistent color. Workflow remains efficient and consistent, even under difficult conditions, yielding output of the finest quality with the detail to allow editing as the assignment demands.

The Nikon D2®x, ready to expand the realm of digital photography.
Nikon's new high-resolution image processing engine

Nikon's new generation system LSI greatly improves the processing of over previous advances. With optimized distribution of analog and digital white balance gain, another first, the new engine produces smooth gradients with consistent and smooth transitions, all with exceptionally pure color reproduction.

Two new Adobe RGB color modes further expand professional color space options, while the new engine achieves beautiful reproduction of skin texture. Support for sYCC color space produces JPEG files with a greater width than sRGB to fully exploit the output capabilities of the latest color printers.

Precise white balance for accurate color

The latest generation of Nikon capture technology combines three separate sensors to achieve refined Auto White Balance and Auto Tone Control. Full manual white balance control options include white balance preset and the direct setting of Kelvin color temperature.

Improved 3D-Color Matrix Metering II

An improved Matrix Metering system allows Nikon's acclaimed 1,005-pixel RGB Exposure/Color Matrix Metering Sensor to achieve refined Auto White Balance and Auto Tone Control. Precise white balance for accurate color reproduction.

Fast, precise 11-area AF system

Nikon's acclaimed Multi-CAM2000 AF sensor features nine cross point sensors placed in the rule of thirds layout with an additional two at each side of the frame. Dynamic AF options are added when using Group Dynamic AF mode as well.

Faster data handling

The D2X can access CompactFlash™ (CF) cards and write data faster than any of its predecessors. The transfer rate of the USB 2.0 Hi-Speed interface is also improved. Simultaneous recording of NEF and JPEG files helps maintain workflow efficiency.

The fast speed and immediate response that defines true camera performance

Immediate response

Instant power-up with an almost imperceptible 37ms shutter lag matches the class-leading response of the Nikon D2, an astonishing achievement at this resolution level.

High-speed continuous shooting

Improved cameras today require unprecedented continuous shooting at full 12.4 megapixel resolution of 5 fps for 15 consecutive NEF images. When the situation demands faster frame rates, the 6.8 megapixel High Speed Cropped mode allows 8 fps shooting for 60 NEF images.

Unrivaled lithium-ion battery system

The D2X's compact rechargeable lithium-ion battery delivers extended longevity and high energy capacity capable of approx. 2,000 shots per charge, with accurate real-time system status displays.

Extensive lineup of compatible AF Nikkor lenses

The fast, quiet and razor-sharp performance of Nikon's acclaimed AF, AF-S and dedicated DX Nikkor lens lineup is available in focal lengths ranging from a 10.5mm f/2.8 fisheye through 600mm telephoto, while three teleconverters offer increased telephoto reach.

Creative in-camera effects

The new Multiple Exposure function creates a single image from up to 10 exposures. The Image Overlay Overlay merge allows selected NEF files already stored on the CF memory card to create a new image file within the camera.

Rich in features and customizable for under all shooting conditions

Location data expands application possibilities

GPS units that comply with the MWA (DG-35) can be connected via the optional GPS cable (MC-35) to record data on latitude, longitude, and altitude, or to adjust the D2X's built-in World Time settings.

Rich in features and customizable for under all shooting conditions

Versatile software supplied

PictureProject provides easy control over basic image management, editing and sharing. Features include Import Assistance, dynamic organization, design layout templates and CD/DVD burning for distribution or archiving purposes.
Nikon Digital SLR Camera D2x Specifications

- **Type of Camera**: Lens interchangeable digital SLR camera
- **Effective Pixels**: 12.4 million
- **Image Sensor**: Crop factor: 2.7x, 15.7mm x 19.7mm, 12.44 million total pixels
- **Recording Pixels**: Full image: [L] 4,288 x 2,848-pixel / [M] 3,216 x 2,168-pixel / [S] 2,144 x 1,424-pixel
- **High Speed Cropped Image**: [L] 3,216 x 2,168-pixel / [M] 2,400 x 1,600-pixel / [S] 1,600 x 1,064-pixel
- **Sensitivity**: ISO equivalence 100 to 800
- **Storage System**: NEF (12-bit uncompressed or compressed RAW), EXIF 2.21, DCF 2.0 and DPOF compliant (uncompressed TIFF-RGB or compressed JPEG)
- **Media**: CompactFlash™ (CF) Card (Type I & II), Microdrive™
- **Shooting Modes**:
  - 1) Single-frame shooting [S] mode: advances one frame for each shutter release
  - 2) Continuous high shooting [C]: Full Image: 5 frames per second (fps) / High Speed Cropped Image: 8 frames per second (fps)
  - 3) Continuous low shooting [C]: Full Image: 1 to 4 frames per second (fps) (selectable in menu) / High Speed Cropped Image; 1 to 7 frames per second (fps) (selectable in menu)
  - 4) Self-timer mode: time duration can be set
  - 5) Mirror up mode: first press: mirror up, second press: release
- **White Balance**:
  - 1) Auto: hybrid with 1,005-pixel RGB Sensor, CMOS image sensor and external Ambient Light Sensor
  - 2) Manual: 6 steps with fine tuning
  - 3) Preset: 6 settings
  - 4) Color temperature setting in Kelvin (select from 31 steps)
  - 5) White Balance Bracketing (2 to 9 frames adjustable in 10, 20, 30 MIREDS steps)
- **LCD Monitor**:
  - 2.5-in., 228,000-dot, low temp. polysilicon TFT LCD with white LED backlighting
  - Backlight/brightness adjustment available
- **Playback Function**:
  - 1) Full-frame, 2) Thumbnail (4 x 9 segments), 3) Zoom, 4) Slideshow
  - 5) RGB Histogram indication, Shooting data and Highlight point display
- **Video Output**:
  - NTSC or PAL (selectable in menu)
- **Flash Control**:
  - 1) New Creative Lighting system: i-TTL Balanced flash controlled by TTL Sensor with Nikon Speedlight SB-800/600: Advanced Wireless Lighting, FV (Flash Value) Lock, Flash Color Information
  - 2) D-TTL Balanced Flash: When used with the Speedlight SB-800DX/50DX and in accordance with the mounted lens, five-segment TTL Multi-Sensor control makes available 3D Multi-Sensor Balanced Flash
  - 3) Multi-Sensor Balanced Fill-Flash, and Standard D-TTL Balanced Fill-Flash
  - 4) AA (Auto Aperture-type) Flash available when used with SB-800/80DX and lens with built-in CPU
  - 5) Non-TTL Auto Flash (A-type Flash) with a Speedlight such as SB-800/300/22s etc.
- **Auto Exposure Lock**:
  - Detection of aperture mode, after inputs the aperture f/No. and focal length f=mm by multi-selector operation
  - Electrode rangefinder usable with maximum aperture of f/8 or faster
- **Picture Angle**:
  - Full Image: Approx. 1.5x focal length in 35mm [135] format equivalent
  - High Speed Cropped Image: Approx. 2x focal length in 35mm [135] format equivalent
- ** autofocus**
  - Optical-type fixed-eye level pentaprism binocular diopter adjustment (3 to +1.0m) Eyeshield provided settable
  - 1) 18 steps (at +1.0m)
  - 2) 15 steps
  - 3) 12 steps
  - 4) 10 steps
  - 5) 8 steps
- **Focusing Screen**:
  - Type-B BrightView Clear Matte Screen III and Type-C Screen for High Speed Cropped; Interchangeable with optional Type-E Focusing Screen with grid
- **Focusing Distance Coverage**:
  - Approx. 0.86x with 50mm f/1.4 lens set to infinity
- **Flash Sync Modes**:
  - X-contact only: flash synchronization up to 1/250 second
  - 1) Synchronization terminal: synchronization terminal
  - 2) D-TTL Balanced Flash: When used with the Speedlight SB-800DX/50DX and in accordance with the mounted lens, five-segment TTL Multi-Sensor control makes available 3D Multi-Sensor Balanced Flash
  - 3) Multi-Sensor Balanced Fill-Flash, and Standard D-TTL Balanced Fill-Flash
  - 4) AA (Auto Aperture-type) Flash available when used with SB-800/80DX and lens with built-in CPU
  - 5) Non-TTL Auto Flash (A-type Flash) with a Speedlight such as SB-800/300/22s etc.
- **Battery Monitoring System**:
  - The LCD monitor on the camera back displays the following information
  - The LCD monitor on the camera back displays the following information
  - About the EN-EL4 battery: 1) Remaining charge (%); 2) No. of shots taken since last charge; 3) Calibration status (Recommended/Not required); 4) Battery life (5 stages)
- **Tripod Socket**:
  - Via 10-pin remote terminal
- **GPS**:
  - NMEA 0183 interface standard supported with GPS Cable MC-35 (optional)
- **Supported Languages**:
  - English, French, German, Spanish, Italian, Dutch, Swedish, Simplified Chinese, Korean, Japanese (selectable in menu)
- **Power Requirements**:
  - Rechargeable Li-ion Battery EN-EL4 (11.1V DC), Quick Charger MH-21, AC Adapter EH-6 (optional)
- **Battery Monitoring System**:
  - The LCD monitor on the camera back displays the following information
  - About the EN-EL4 battery: 1) Remaining charge (%); 2) No. of shots taken since last charge; 3) Calibration status (Recommended/Not required); 4) Battery life (5 stages)
- **Tripod Socket**:
  - Via 10-pin remote terminal
- **Tripod Socket**:
  - Via 10-pin remote terminal
- **Supplied Accessories**:
  - Rechargeable Li-ion Battery EN-EL4, Quick Charger MH-21
  - Body Cap, Camera Strap AN-D2o, Audio Video Cable EG-CD, USB Cable UC-E4, LCD Monitor Cover BM-3, Battery Chamber Cover BL-1, Type V Focusing Screen, PictureProject software CD-ROM
- **Optional Accessories**:
  - Wireless Transmitter WT-2/WT-1A, Extended Range Antenna
  - WA-E1, AC Adapter EH-4, Type-E Focusing Screen, Antiglare Finder Eyepiece DK-17A, Eyepiece Correction Lens DK-17C series, Speedlight SB-800/SB-600, Nikon Capture 4 (ver. 4.2) software, CompactFlash™ card

Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. September 2004 © 2004 NIKON CORPORATION

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