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 D2x 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 D2x, ready to expand the realm of digital photography.

D2x

High resolution and color purity that will create the definitive benchmark of picture quality

New DX Format image sensor— 12.4 million effective pixels

A new DX Format CMOS sensor captures 12.4 million effective pixels per image and delivers the high resolution and sharp detail needed for professional results. DX Format means the sensor is optimized for use with DX lenses, and is compatible with the full lineup of quality Nikkor lenses.

Nikon's new high-resolution image processing engine

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

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

Precise white balance for accurate color

The latest generation of Nikon's metering 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 better determine the position and size of shadow or highlight areas and achieve optimum exposure for each shot.

Nikon Capture 4 (ver. 4.2) (optional software)

The unique and powerful program that delivers the full power to edit NEF (RAW) files for maximum picture quality also makes it possible to control and shoot remotely with Nikon D-SLR cameras. Version 4.2 incorporates outstanding new tools that further increase productivity and creative control within a color-managed workflow environment.

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 D2H, an astounding achievement at this resolution level.

High-speed continuous shooting

Optimized camera systems realize unprecedented continuous shooting at full 12.4 megapixel resolution of 5 fps for 15 consecutive NEF images. When the situation demands yet faster frame rates, the 6.8 megapixel High Speed Cropped mode allows 8 fps shooting for 26 NEF images.

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 to read 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 maximize workflow efficiency.

Handling efficiency and ergonomic design that defines the idea of optimal operation

Built to withstand the rigors of professional use

The D2x is built to perform reliably, from its lightweight and highly durable magnesium alloy body with enhanced sealing that protects against drops of water and dust, to its field-proven shutter unit.

Freedom to concentrate on the subject

The camera's large controls and buttons are positioned for intuitive control that frees the photographer to concentrate on composition. Regardless of camera orientation, operation remains consistently comfortable with virtually the same access to primary controls.

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.

Large 2.5-inch LCD for easy info access

A new 2.5-inch LCD monitor features an all-digital interface for clear, flicker-free display of preview images and logically organized Shooting and Custom Settings menus. On-demand information includes an improved histogram and new RGB Histogram displays, as well as a chronological Recent Settings list.

Rich in features and customizable for versatility under all shooting conditions

Location data expands application possibilities

GPS units that comply with NMEA 0183 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.

Creative in-camera effects

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

New Wireless Transmitter WT-2 (optional)

Features include IEEE 802.11b/g support for faster transfer speeds, broader support for network protocols, and greater security options. Another new feature that realizes extensive new picture taking potential is wireless Capture Control from a computer running Nikon Capture 4 (ver.4.2).

Support for Nikon's Creative Lighting System

Fully integrated with Nikon's exclusive i-TTL flash control and Advanced Wireless Lighting remote multiple-flash system supported by Nikon's SB-800 and SB-600 Speedlights, the D2x is also compatible with the SB-80DX and other Nikon Speedlights that use D-TTL flash control.

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.

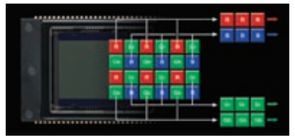
Versatile software supplied

PictureProject provides easy control over basic image management, editing and sharing. Features include Import Assistant, drag-and-drop organization, design layout templates and CD/DVD burning for distribution or archiving purposes.

Reaching new heights in professional digital SLR cameras

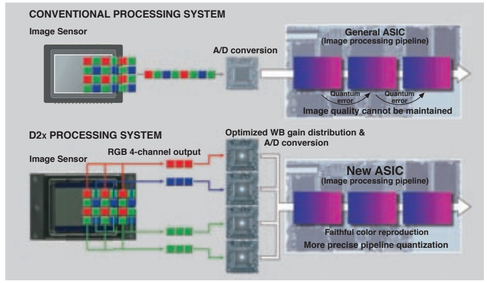
Optimum performance at a full 12.4 megapixels

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.



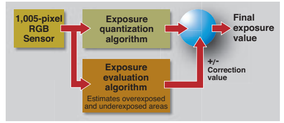
Faithful color reproduction under challenging shooting conditions

Quality means all systems are optimized to deliver accurate color, even when shooting under rapidly changing light. The D2x 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.



Accurate tones and smooth transitions with color stability as never before

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.



Nikon Digital SLR Camera D2x Specifications

Type of Camera	Lens-interchangeable digital SLR camera
Effective Pixels	12.4 million
Image Sensor	CMOS sensor, 23.7 x 15.7mm size, 12.84 million total pixels
Recording Pixels	Full Image: [L] 4,288 x 2,848-pixel / [M] 3,216 x 2,136-pixel / [S] 2,144 x 1,424-pixel High Speed Cropped Image: [L] 3,216 x 2,136-pixel / [M] 2,400 x 1,600-pixel / [S] 1,600 x 1,064-pixel
Sensitivity	ISO equivalency 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)
Storage Media	CompactFlash™ (CF) Card (Type I / II) and Microdrive™
Shooting Modes	1) Single frame shooting [S] mode: advances one frame for each shutter release 2) Continuous high shooting [C_H] mode: Full Image; 5 frames per second (fps) / High Speed Cropped Image; 8 frames per second (fps) 3) Continuous low shooting [C_L] mode: 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 (5 settings) 4) Color temperature setting in Kelvin (select from 31 steps) 5) White Balance Bracketing (2 to 9 frames adjustable in 10, 20, 30 MIRED steps)
LCD Monitor	2.5-in, 235,000-dot, low temp. polysilicon TFT LCD with white LED backlighting; Backlight/brightness adjustment available
Playback Function	1) Full frame, 2) Thumbnail (4/9 segments), 3) Zoom, 4) Slideshow, 5) RGB Histogram indication, Shooting data and Highlight point display
Delete Function	1) Card format, 2) All frames delete, 3) Selected frames delete
Video Output	NTSC or PAL (selectable in menu)
Interface	USB 2.0 (Hi-Speed) (Mini-B connector) FTP file transfer available with optional Wireless Transmitter WT-1/1A (IEEE 802.11b) and WT-2/2A (IEEE 802.11b/g) CF card slot Type II*: supports firmware updates via CF cards
Voice Memo	Record mode: Automatic or manual recording at shooting or playback, Max. recording time: 60 seconds Playback mode: Built-in speaker or Audio Video Cable File format: Mono WAV file
Text Input	Up to 36 characters of alphanumeric text input is available with LCD monitor and multi-selector; stored in Exif header
Usable Lenses	1) AF Nikkor (including AF-S, DX, VR and D-/G-type): All functions possible 2) D-type Manual-Focus Nikkor: All functions except autofocus and some exposure modes available 3) AF Nikkor other than D-/G-type: All functions except 3D-Color Matrix Metering II and 3D Multi-Sensor Balanced Fill-Flash possible 4) AI-P Nikkor: All functions except 3D-Color Matrix Metering II, 3D Multi-Sensor Balanced Fill-Flash and AF possible 5) Non-CPU Nikkor: Usable in [A] or [M] mode with Matrix Metering, Center-Weighted and Spot Metering available Indication of aperture No., after user inputs the aperture f/No. and focal length f=mm by multi-selector operation Electronic rangefinder usable with maximum aperture of f/5.6 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
Viewfinder	Optical-type fixed eye-level pentaprism; Built-in diopter adjustment (-3 to +1m^{-1}), Eyepiece shutter provided
Eyepoint	19.9mm (at -1.0m^{-1})
Focusing Screen	Type-B BrightView Clear Matte Screen III and Type-V Screen for High Speed Cropped; Interchangeable with optional Type-E Focusing Screen with grid
Viewfinder Frame Coverage	Approx. 100%
Viewfinder Magnification	Approx. 0.86x with 50mm f/1.4 lens set to infinity and -1.0m^{-1}
Reflex Mirror	Automatic, instant-return type
Lens Aperture	Instant-return type, with Depth-of-field Preview Button
Autofocus	TTL phase detection, Nikon Multi-CAM2000 autofocus module; Detection range: EV -1 to +19 (Right edge/Left edge AF range: EV 0 to +19) [at normal temperature (20°C / 68°F), ISO 100 equivalent]
Lens Servo	1) Single Servo AF [S], 2) Continuous Servo AF [C], 3) Manual focus [M] Focus Tracking automatically activated by subject's status in [S] or [C] AF
Focus Area	Selectable from 11 focus areas (High Speed Cropped: 9 focus areas)
AF Area Modes	1) Single Area AF, 2) Dynamic AF with Focus Tracking and Lock-on™, 3) Closest Subject Priority Dynamic AF, 4) Group Dynamic AF
Focus Lock	Focus is locked by pressing AE/AF Lock button or lightly pressing shutter release button in [S] AF
Exposure Metering System	TTL full-aperture exposure metering system; 1) D-/G-type Nikkor lenses support 3D-Color Matrix Metering II using the 1,005-pixel RGB Sensor while other AF Nikkor lenses with built-in CPUs support Matrix Metering (Non-CPU lenses require manual input of lens data) 2) Center-Weighted Metering (75% of the meter's sensitivity concentrated on the 8mm dia. circle) given to 6, 10 or 13mm dia. circle in center of frame, or weighting based on average of entire frame 3) Spot Metering (3mm dia. circle, approx. 2% of entire frame); metering position can be linked to the focus area when using Nikkor lenses with built-in CPU
Exposure Metering Range	1) 3D-Color Matrix Metering II: EV 0 to 20 2) Center-Weighted Metering: EV 0 to 20 3) Spot Metering: EV 2 to 20 [at normal temperature (20°C / 68°F), ISO 100 equivalent, f/1.4 lens]
Exposure Meter Coupling	CPU and AI (Automatic maximum aperture Indexing)
Exposure Modes	1) [P] Programmed Auto (Flexible program possible) 2) [S] Shutter-Priority Auto 3) [A] Aperture-Priority Auto 4) [M] Manual
Exposure Compensation	Exposure compensated in ±5.0 EV range in 1/3, 1/2 or 1 EV steps
Auto Exposure Lock	Detected exposure value locked by pressing AE-L/AF-L button
Auto Exposure Bracketing	Number of shots: 2 to 9 frames Compensation steps: 1/3, 1/2, 2/3, or 1 EV steps
Shutter	Electromagnetically controlled vertical-travel focal-plane shutter, 30 to 1/8,000 second and bulb
Sync Contact	X-contact only: flash synchronization up to 1/250 second
Flash Control	1) New Creative Lighting System: i-TTL Balanced Fill-Flash controlled by TTL Sensor with Nikon Speedlight SB-800/600: Advanced Wireless Lighting, FV (Flash Value) Lock, Flash Color Information Communication for Auto White Balance, Auto FP High-Speed Flash Sync, Modeling Flash 2) D-TTL Balanced Fill-Flash: When used with the Speedlight SB-80DX/50DX and in accordance with the mounted lens, five-segment TTL Multi Sensor control makes available 3D Multi-Sensor Balanced Fill-Flash, Multi-Sensor Balanced Fill-Flash, and Standard D-TTL Balanced Fill-Flash 3) AA (Auto Aperture-type) Flash available when used with SB-800/80DX and lens with built-in CPU 4) Non-TTL Auto Flash (A-type Flash) with a Speedlight such as SB-800/80/27/22s etc. 5) Range-priority manual available with SB-800
Flash Sync Modes	1) Front-Curtain Sync (normal sync), 2) Red-Eye Reduction, 3) Red-Eye Reduction with Slow Sync, 4) Slow Sync, 5) Rear-Curtain Sync
Ready-light	Lights up when flash fully charged with Speedlight SB-800/600/80DX/50DX/30/28/27/22s; blinks for full output warning
Accessory Shoe	ISO 518 standard-type hot shoe contact; Safety lock mechanism provided
Sync Terminal	ISO 519 standard terminal, lock screw provided
Self-timer	Electronically controlled; Timer duration: 2, 5, 10, and 20 seconds
Depth-of-field Preview Button	Stop-down lens aperture by pressing Depth-of-field Preview Button
Remote Control	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	1/4 in. (ISO1222)
Dimensions (W x H x D)	Approx. 157.5 x 149.5 x 85.5mm (6.2 x 5.9 x 3.4 in.)
Weight (without battery)	Approx. 1,070g (2.4 lbs)
Supplied Accessories*	Rechargeable Li-ion Battery EN-EL4, Quick Charger MH-21, Body Cap, Camera Strap AN-D2x, Audio Video Cable EG-D2, 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-2/2A/WT-1/1A, Extended Range Antenna WA-E1, AC Adaptor EH-6, Type-E Focusing Screen, Antifog Finder Eyepiece DK-17A, Eyepiece Correction Lens DK-17C series, Speedlight SB-800/SB-600, Nikon Capture 4 (ver. 4.2) software, CompactFlash™ card

*Supplied accessories may differ in each country or area

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

WARNING **TO ENSURE CORRECT USAGE, READ MANUALS CAREFULLY BEFORE USING YOUR EQUIPMENT. SOME DOCUMENTATION IS SUPPLIED ON CD-ROM ONLY.**

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Printed in Japan Code No. 6CE41510 (0409A) Ad

NIKON PHOTO CONTEST INTERNATIONAL 2004-2005

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At the heart of the image

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