



## **D3200 with Lens 18-55mm KIT**

Nikon is pleased to announce the release of the Nikon D3200, a Nikon DX-format digital SLR camera. The camera is equipped with a new CMOS image sensor with an effective pixel count of 24.2-million pixels, the same EXPEED 3 image-processing engine built into Nikon's high-end models, and Guide mode, all of which enable capture of beautiful, high-quality images with simple operation.

The D3200 is the successor to the D3100 and is equipped with Guide mode, which supports simple and intuitive operation. Last year, the superior usability of the D3100 was recognized not only by the camera's extreme popularity, but also when the camera was awarded the iF Communication Design Award 2011, one of the iF Design Awards. The iF Design Awards are globally prestigious awards sponsored by International Forum Design GmbH of Hanover Germany.

The D3200 not only offers an improved Guide mode for even simpler operation, but also a number of new and improved functions. In addition, the new DX-format CMOS image sensor, developed by Nikon with an effective pixel count of 24.2-million pixels, and the same EXPEED 3 image-processing engine built into Nikon's high-end D4 and D800/D800E cameras enable capture of images with quality and definition at the top of its class. The D3200 also supports collaboration with smart devices (Android), with use of Wireless Mobile Adapter WU-1a increasing user convenience even further with the ability to transfer images and control shooting remotely over a wireless connection.

The extremely portable, compact and lightweight body of the entry-level D3200 is loaded with the latest digital SLR camera functions, allowing for full-scale, flexible photography. Users will enjoy its simple operation with the capture of beautiful images exhibiting superior image quality that they will be eager to share with others.

## **Major Features of the Nikon D3200**

**A new DX-format CMOS image sensor, developed by Nikon with an effective pixel count of 24.2-million pixels, and the EXPEED 3 image-processing engine enable capture of high-quality images and shooting at high sensitivities**

The D3200 is equipped with a new Nikon DX-format CMOS image sensor, developed by Nikon with an

effective pixel count of 24.2-million pixels, and the EXPEED 3 image-processing engine. Its predecessor, the D3100, offered a pixel count of 14.2-million pixels and standard ISO sensitivities of ISO 100–3200. The D3200 surpasses the D3100 with regard to both with its significant increase in pixel count and support for standard sensitivities of ISO 100–6400 and a Hi 1 setting equivalent to ISO 12800.

In order to maximize the potential of the image sensor's 24.2-million pixels, the camera is equipped with the EXPEED 3 image-processing engine, which was developed exclusively by Nikon and represents the culmination of the extensive image-processing know how and technologies that Nikon has cultivated over its long history. This image-processing engine has been optimized for digital SLR cameras, and its capabilities for superior high-speed performance enable faithful rendering, vivid color reproduction, and expression of a broad dynamic range. For example, it effectively suppresses noise with advanced noise-reduction processing for still images captured at high sensitivities under dim lighting, all while preserving the definition and sharpness of the image sensor's 24.2-million pixels. Special noise-reduction processing designed especially for movies maintains crisp, clear outlines in movies recorded in low-light situations.

#### **A refined Guide mode that is even easier to use**

The D3200 is equipped with the Guide mode that was so popular with the D3000 and D3100. Guide mode displays instructions for shooting according to the situation or type of scene or subject, playing back and retouching images, as well as applying all types of settings in a manner that is more intuitive, making camera operation easier than ever before.

#### **More assist images and text explanations of scenes added**

The number of assist images, also built into the D3100, used to show the results users can expect from camera settings prior to shooting has been increased, and text explanations of scene details and application of settings have been added. Guide mode makes it fun and easy for users to capture the beautiful images they want, whether they choose a specific type of situation, such as Night portrait or Close-ups, or a technique they would like to apply, such as Soften backgrounds or Show water flowing.

#### **A large and clear 3-in., approx. 921k-dot TFT LCD monitor with wide viewing angle for live view shooting**

The D3200 is equipped with a live view button. By simply pressing this button, live view mode is activated. In live view mode, users can choose one of four AF-area modes: Normal-area AF, Wide-area AF, Subject-tracking AF, or Face-priority AF.

#### **Equipped with the D-Movie function that enables recording of 1920 x 1080/30p full HD movies with superior picture quality**

By simply pressing the movie-record button just above the shutter-release button, users can enjoy the D-Movie function that records full-HD movies with superior picture quality. Settings such as aperture value applied in Guide mode can also be applied to movie recording, and the ability to take advantage of the unique characteristics of each lens in the rich NIKKOR lineup, from wide-angle to telephoto lenses enable movie imaging expression that is only possible with digital SLR cameras.

The D3200 also offers Full-time-servo AF (AF-F), a focus mode with which the camera focuses continuously to keep moving subjects in focus with movie recording. It also offers Face-priority AF and Subject-tracking AF AF-area modes with movie recording. Face-priority AF is effective with recording of portrait-like movies, and Subject-tracking AF tracks a subject as it moves through the frame.

What's more, recorded movies can not only be viewed in the camera monitor, but they can also be edited using the camera. Unnecessary portions can be cut from the beginning and/or end of movie files, and individual movie frames can be saved as still JPEG images. With the D3200, movie editing operation has been improved. The Start point and End point options for movie editing are displayed on the same menu screen, enabling simultaneous trimming of unnecessary portions at the beginning and end of movies, and the results of editing can be previewed before the edited movie is saved. These improvements make editing simpler by giving users a better idea of the results they can expect. In addition, the D3200 also

supports connection of an external stereo microphone, which enables recording of stereo sound with movies.

### **Support for collaboration with smart devices (Android) for wireless transfer and remote shooting**

With use of the Wireless Mobile Adapter WU-1a, Images captured with the D3200 can be transferred to smartphones, tablets, and other smart devices over a wireless connection, and smart devices can be used as a remote control for shooting with the view through the lens mounted on the camera and various shooting and settings information (live view display) displayed in the smart device screen (remote recording of movies is not supported). Collaboration between digital SLR cameras and smart devices provides new ways for users to enjoy shooting, viewing, and sharing photographs.

## **Supplied Accessories With Nikon D3200 DSLR**

- Strap
- Rechargeable Li-ion Battery
- Battery Charger
- USB Cable
- Audio Video Cable
- Body Cap
- Eyepiece Cap
- Accessory Shoe Cover
- Lens Cap
- Rear Lens Cap
- Software CD-ROM
- User Manual
- Warranty Card

<b>Technical Specifications</b>	<b>Nikon D3200 Digital SLR</b>
Type	Single-lens reflex digital camera
Lens Mount	Nikon F bayonet mount
Picture Angle	Effective picture angle 1.5x (Approx.) conversion factor (Nikon DX format)
Effective Pixels	24.2 million
Sensor Size	23.2mm x 15.4mm
Image Sensor Format	DX
Image Sensor Type	CMOS
Total Pixels	24.7 million
Dust-reduction system	Image sensor cleaning
Image Area (pixels)	DX-format (L) 6,016 × 4,000 (M) 4,512 × 3,000 (S) 3,008 × 2,000
File Format Still Images	Compressed 12-bit NEF (RAW) JPEG: JPEG-Baseline Compliant with fine (approx 1:4), Normal

	(approx 1:8) or Basic (approx 1:16) Compression NEF (RAW) + JPEG: Single Photograph Recorded in both NEF (RAW) and JPEG Formats
Picture Control	Landscape Monochrome Neutral Portrait Selected Picture Control can be Modified Standard Vivid
Storage Media	SD SDHC SDXC
Card Slot	1 Secure Digital (SD)
File System	Compliant with DCF (Design Rule for Camera File System) 2.0 DPOF (Digital Print Order Format) EXIF 2.3 (Exchangeable Image File Format for Digital Still Cameras)
Viewfinder	Eye-level Pentamirror Single-Lens Reflex viewfinder
Viewfinder Frame Coverage	95% Horizontal Approx.
Viewfinder Magnification	0.78x Approx.
Viewfinder Eyepoint	18mm (-1.0m <sup>-1</sup> )
Viewfinder Diopter Adjustment	-1.7 to +0.5m <sup>-1</sup>
Focusing Screen	Type B BriteView Clear Matte Mark VII screen
Reflex Mirror	Quick-return type
Lens Aperture	Instant-return type
Lens Compatibility at a Glance***	AF-S Lens Required for Autofocus
Compatible Lenses	AF NIKKOR for F3AF not Supported AF-S, AF-I: All Functions Supported AI-P NIKKOR: All Functions Supported Except Autofocus and 3D Color Matrix Metering II Electronic Rangefinder can be used if Maximum Aperture is f/5.6 or Faster IX NIKKOR Lenses Cannot be Used Non-CPU: Autofocus not supported. Can be used in mode M, but exposure meter does not function. Other AF NIKKOR: All Functions Supported Except autofocus and 3D Color Matrix Metering II Type G or D AF NIKKOR: All Functions Supported Except Autofocus Type D PC NIKKOR: All Functions Supported Except Autofocus and some Shooting Modes
Shutter type	Electronically controlled vertical-travel focal-plane
Shutter Speed	1/4000 to 30 sec.

Fastest Shutter Speed	1/4000 sec.
Slowest Shutter Speed	30 sec.
Flash Sync Speed	Up to 1/200 sec.
Shutter Release Modes	Continuous Delayed remote Quick Response Remote Mode Quiet shutter-release Self-timer mode Single-frame [S] mode
Frame Advance Rate	Up to 4 fps (manual focus, mode M or S, shutter speed 1/250 sec or faster, and other settings at default values)
Top Continuous Shooting Speed at full resolution	4 frames per second
Self-timer	2, 5, 10, 20 sec. Timer duration electronically controlled
Exposure Metering System	TTL exposure metering using 420-pixel RGB sensor
Metering Method	Center-weighted: Weight of 75% given to 8mm circle in center of frame Matrix: 3D color matrix metering II (type G and D lenses); color matrix metering II (other CPU lenses) Spot: Meters 3.5mm circle (about 2.5% of frame) centered on selected focus point
Metering Range	0 to 20 EV (Matrix or center-weighted metering at ISO 100 equivalent, f/1.4 lens, at 20°C/68°F) 2 to 20 EV (Spot metering at ISO 100 equivalent, f/1.4 lens at 20°C/68°F)
Exposure Meter Coupling	CPU
Exposure Modes	Aperture-Priority Auto (A) Auto Auto (flash off) Manual (M) Programmed Auto with flexible Program (P) Shutter-Priority Auto (S)
Scene Modes	Auto Auto [Flash Off] Child Close-up Landscape Night Portrait Portrait Sports
Exposure Compensation	±5 EV in increments of 1/3EV
Exposure Lock	Luminosity locked at detected value with AE-L/AF-L button
Mirror Lock Up	Yes (for image sensor cleaning)

ISO Sensitivity	ISO 100 - 6400 Hi-1 (ISO 12,800)
Lowest Standard ISO Sensitivity	100
Highest Standard ISO Sensitivity	6400
Highest Expanded ISO Sensitivity	1 EV above ISO 6400 (ISO 12800 equivalent)
Expanded ISO Sensitivity Options	1 EV above ISO 6400 (ISO 12800 equivalent) Auto ISO sensitivity control available
High ISO Noise Reduction	Low Normal High Off
Active D-Lighting	On Off
Single-point AF Mode	Yes
Dynamic AF Mode	Number of AF points: 11 (3D-tracking)
Auto-area AF Mode	Yes
Autofocus System	Nikon Multi-CAM 1000 autofocus sensor module with TTL phase detection
Detection Range	-1 to 19 EV (ISO 100, 68°F/20°C)
Lens Servo	Autofocus (AF): Single-servo AF (AF-S); Continuous-servo AF (AF-C); auto AF-S/AF-C selection (AF-A); predictive focus tracking activated automatically according to subject status Manual focus (MF): Electronic rangefinder can be used
Focus Point	Can be selected from 11 focus points
Focus Lock	Focus can be locked by pressing AE-L/AF-L button Focus can be locked by pressing shutter-release button halfway (single-servo AF)
Focus Modes	Auto AF-S/AF-C selection (AF-A) Continuous-servo (AF-C) Face-Priority AF available in Live View only and D-Movie only Full-time Servo (AF-A) available in Live View only Manual (M) with electronic rangefinder Normal area available in Live View and D-Movie only Predictive focus tracking activated automatically according to subject status Single-servo AF (AF-S) Wide area available in Live View and D-Movie only
Maximum Autofocus Areas/Points	11
Autofocus Sensitivity	-1 to +19 EV (ISO 100, 20°C/68°F)
Built-in Flash	Yes

X-Sync Speed	1/200
Flash Control	TTL: i-TTL flash control using 420-pixel RGB sensor is available with built-in flash and SB-910, SB-900, SB-800, SB-700, SB-600, or SB-400; i-TTL balanced fill-flash for digital SLR is used with matrix and center-weighted
Flash Sync Modes	Front-curtain sync (normal) Rear-curtain sync Red-Eye reduction Red-Eye reduction with slow sync Slow sync
Flash Compensation	-3 to +1 EV in increments of 1/3 EV
Flash-ready indicator	Lights when built-in flash or optional flash unit such as SB-910, SB-900, SB-400, SB-80DX, SB-28DX or SB-50DX is fully charged
Accessory Shoe	Yes
Nikon Creative Lighting System (CLS)	CLS Supported
Flash Sync Terminal	Sync Terminal Adapter AS-15 (available separately)
White Balance	Auto Cloudy Direct Sunlight Flash Fluorescent (7 types) Incandescent Preset Manual Shade
Live View Shooting	Yes
Live View Lens servo	Autofocus (AF): Single-servo AF (AF-S); full-time-servo AF (AF-F) Manual focus (MF)
Live View AF-area mode	Face-priority AF Wide-area AF Normal-area AF Subject-tracking AF
Live View Autofocus	Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected)
Live View Scene Auto Selector	Auto mode Auto (flash off) mode
Movie Metering	TTL exposure metering using main image sensor
Movie Maximum recording time	20 min.
Movie File Format	MOV
Movie Video Compression	H.264/MPEG-4 Advanced Video Coding

Movie Audio recording format	Linear PCM
Movie	HD 1,920x1,080 / 30 fps HD 1,920x1,080 / 25 fps HD 1,920x1,080 / 24 fps HD 1,280x720 / 60 fps HD 1,280x720 / 50 fps VGA 640x424 / 30 fps VGA 640x424 / 25 fps
Movie Audio	Built-in microphone, monaural Optional external stereo mini-pin jack (3.5mm diameter) Microphone sensitivity can be adjusted
Monitor Size	3.0 in. diagonal
Monitor Resolution	921,000 Dots
Monitor Type	Wide Viewing Angle TFT-LCD
Monitor Angle of View	160-degree wide-viewing angle
Playback Functions	Auto Image Rotation Full-Frame and Thumbnail (4, 9, or 72 images or calendar) Highlights Histogram Display Image Comment Movie Playback Playback with Zoom Slideshow
In-Camera Image Editing	Color Balance Color Outline Color Sketch D-Lighting Distortion Control Filter Effects Fisheye Image Overlay Miniature Effect Monochrome NEF (RAW) Processing Perspective Control Quick Retouch Red-Eye Correction Resize Selective Color Straighten Trim
Interface	Accessory Terminal: Remote Cord: MC-DC2 (available separately); GPS unit: GP-1 (available separately) Audio input: Stereo mini-pin jack (3.5-mm diameter) HDMI output: Type C mini-pin HDMI connector Hi-speed USB Video Output: NTSC, PAL



Wi-Fi Functionality	Eye-Fi Compatible
GPS	GP-1 GPS unit
Recent Settings	Yes
Supported Languages	Arabic Brazilian Portuguese Chinese (Simplified and Traditional) Czech Danish Dutch English Finnish French German Greek Hindi Hungarian Indonesian Italian Japanese Korean Norwegian Polish Portuguese Romanian Russian Spanish Swedish Thai Turkish Ukrainian
Date, Time and Daylight Savings Time Settings	Yes
World Time Setting	Yes
Battery / Batteries	EN-EL14 Rechargeable Li-ion Battery
Battery Life (shots per charge)	540 shots per charge (Battery Life) (CIPA)
AC Adapter	EH-5b AC Adapter; requires EP-5A Power Connector (available separately)
Battery Charger	MH-24 Quick Charger
Tripod Socket	1/4 in.
Approx. Dimensions	5.0 in. (125mm) x 3.8 in. (96mm) x 3.1 in. (76.5mm)
Approx. Weight	16 oz. (455g) <i>camera body only</i>
Operating Environment	0–40 °C (+32–104 °F)