



D5200 with Lens 18-55mm KIT

Nikon Corporation is pleased to announce the release of the Nikon D5200. This camera is equipped with a new Nikon DX-format CMOS sensor with an effective pixel count of 24.1-million pixels and an image-processing engine equivalent to EXPEED 3 built into the D4 flagship camera. It offers the superior basic performance needed for full-scale photography in a compact and lightweight body.

The D5200 offers the same side-hinged vari-angle monitor as the D5100 that enables flexible shooting from any angle, high or low, making even self portraits possible. It is an entry-level model that meets photo enthusiasts' demands for full-scale photography capabilities with its new Nikon DX-format CMOS sensor with an effective pixel count of approximately 24-million pixels as well as an image-processing engine equivalent to EXPEED 3 built into high-end Nikon D4, D800, D800E, and D600 digital SLR cameras for superior resolution, and image quality with very little noise at high sensi

The standard range of sensitivities covers a broad range of ISO 100 to ISO 6400, with support for additional expansion to equivalents up to ISO 25600 (Hi 2). It also offers the most focus points available in its class—39—for fast and reliable focus acquisition and tracking. The Scene Recognition System, made possible with the same 2,016-pixel RGB sensor found in high-end Nikon cameras, more accurately analyzes scene brightness and color information, which is then reflected in autofocus, automatic-exposure, i-TTL balanced fill-flash, and auto white-balance control.

The D-Movie function supports recording of full-HD 1920 x 1080 60i/50i movies for sharp HD movies exhibiting excellent detail. The D5200 is also equipped with Special Effects mode that enables the application and adjustment of special effects with shooting. Combining a variety of effects with a vari-angle LCD monitor that enables shooting from a wide range of angles significantly broadens imaging expression possibilities with both still image and movie recording.

Salient Features for Nikon D5200

12.3-megapixel DX-format CMOS image sensor

Coupled with Nikon's EXPEED image processing and NIKKOR optics, breathtaking picture quality is assured.

A new Nikon DX-format CMOS sensor with an effective pixel count of approximately 24.1-million pixels and support for a broad range of ISO sensitivities for superior image quality and definition

The D5200 is equipped with a new Nikon DX-format CMOS sensor with an effective pixel count of approximately 24.1-million pixels. It supports a broad range of standard ISO sensitivities, from ISO 100 at the low end to ISO 6400 at the high end, as well as further expansion to an equivalent of ISO 25600 (Hi 2). This support enables capture of sharp and clear images with very little noise, even at higher sensitivities.

When used with NIKKOR lenses loaded with Nikon's advanced optical technologies, the roughly 24.1-million effective pixels enable sharp rendering of even the finest details.

The EXPEED 3 image-processing engine made faster and more efficient with optimization for digital SLR cameras

The D5200 is equipped with an image-processing engine equivalent to the EXPEED 3 high-performance image-processing engine built into high-end D4, D800, D800E, and D600 Nikon FX-format cameras. This enables faithful rendering and vivid color reproduction, as well as a broad dynamic range. With capture of still images at high sensitivities, advanced noise-reduction processing effectively suppresses noise to preserve textures and details in images. Noise-reduction processing performed with movie recording results in faithful reproduction of crisp, clear outlines in movies recorded in low-light s

Excellent basic camera performance and operation for stress-free shooting

- **Equipped with an AF system offering 39 focus points**
Adoption of the Multi-CAM4800DX autofocus sensor module enables certain acquisition and tracking of the intended subject with 39 focus points. Utilizing cross-type sensors for the center nine focus points most commonly used ensures reliable focusing performance with certain acquisition of the intended subject and excellent tracking performance. In addition, the number of active focus points can be limited to 11.
- **2,016-pixel RGB sensor with built-in Scene Recognition System**
The Scene Recognition System detects subject conditions prior to shooting and then analyzes scene brightness and color information that is then used with autofocus, auto-exposure, i-TTL balanced fill-flash, and auto white-balance control. The results are most clearly seen with reliable tracking of moving subjects when 3D-tracking is enabled. The system is also able to identify smaller subjects than could the D5100. What's more, when Face-priority AF is enabled with movie recording in live view mode, or when faces are enlarged with playback of still images, up to 35 faces can be recognized.
- **High-speed continuous shooting at up to approximately 5 fps***
With high-speed continuous shooting at up to approximately 5 fps*, users will never miss the perfect shot, whether framing images using the optical viewfinder or the camera monitor. The densely packed 39 focus points effectively cover the majority of the frame for certain acquisition and tracking of rapidly moving subjects, such as those participating in sporting events. High-speed continuous shooting at approximately 3 fps can also be selected for situations, such as capturing natural human expressions, in which a slower frame rate is preferred. This allows for selection of the optimal frame rate according to the scene.

*With manual focus, [S] (shutter-priority auto) or [M] (manual) shooting mode, shutter speed 1/250 s or faster, and other settings at default values.

Vari-angle LCD monitor for stress-free shooting from any angle

The 3-inch, approximately 921k-dot LCD monitor with wide viewing angle is large and ensures clear viewing. It opens to the left from 0–180°, and can be rotated forward 180° and backward 90° when open. Adoption of a side-hinged vari-angle monitor allows for unobstructed opening and rotation of the monitor when the camera is mounted on a tripod for flexible and stress-free shooting from low angles to high angles, making even self portraits possible.

Smooth, cinematic action video with Nikon's D-Movie with superior picture quality : 1920 x 1080 60i/50i

The D5200 is equipped with the D-Movie function, which enables recording of 1920 x 1080 60i/50i movies exhibiting superior picture quality by simply pressing the movie-record button next to the shutter-release button. The new Nikon DX-format CMOS sensor with an effective pixel count of approximately 24.1-million pixels and EXPEED 3 high-speed image-processing engine ensure recording of sharp, clear movies with little noise, jaggies, or moiré patterns. Autofocusing during movie recording is possible using contrast-detect AF. When the focus mode is set to Full-time servo AF (AF-F) and the AF-area mode to Subject-tracking AF, the camera automatically maintains focus on a subject moving throughout the frame. Manual settings* are also available for those who want to specify recording shutter speed and ISO sensitivity according to their own preferences. In addition to the ability to choose the recording frame rate from 50i or 60i (1080), or 24p, 25p, or 30p (1080) per second, the camera is equipped with a stereo microphone for superior audio quality with movie recording. Stereo sound can also be recorded via the optional ME-1 stereo microphone.

*Available shutter speeds vary according to the selected movie frame rate. ISO sensitivity can be selected within the range of ISO 200 100–6400 and Hi 0.3–Hi 2. (Revised on Novem

Special Effects mode for creative imaging expression

The D5200 offers seven* special effects that can be selected and applied with recording of both still images and movies. Special effects are displayed in the monitor with the view through the lens before shooting or recording begins, allowing users to confirm the results of effect selection or adjustment in real time. Users can easily enjoy dramatic effects like those seen in the movies using special effects. This mode was adopted to respond to the creative intent of users searching for a way to express their own unique style and creativity.

*D5200 special effects: Selective Color, Color Sketch, Miniature Effect, Night Vision, Silhouette, High Key, Low Key. Color Sketch, Miniature Effect, and Selective Color can also be applied to images already recorded from the retouch menu.

Support for the optional Wireless Mobile Adapter WU-1a enables wireless image transfer to a smart device

By simply connecting the Wireless Mobile Adapter WU-1a (sold separately), true, high-quality photos and movies recorded with a compatible digital SLR camera can be easily shared with a smart device.* The view through the camera lens (live view) can be displayed on a smartphone or tablet screen to control remote shooting (remote movie recording not supported), and images captured with the D5200 can be transferred to the smart device over a wireless connection. Using the Wireless Mobile Adapter WU-1a expands the ways in which users enjoy the photos and movies they have recorded with the D5200 and a NIKKOR lens by enabling the immediate transfer of images to family and friends, or uploading to blogs or social networking sites, anywhere and anytime.

*The Wireless Mobile Adapter Utility app must first be installed on the smart device (the app can be downloaded free of charge from the smart device's app store).

Support for the Wireless Remote Controller WR-R10/WR-T10 enables stress-free remote shooting

Remote control is more convenient with the D5200 due to support for the WR-R10 (transceiver) and WR-T10 (transmitter) that utilize electromagnetic waves. When the WR-R10 is connected to the D5200, the WR-T10 can be used for wireless control over remote shooting. The WR-R10 and WR-T10 enable remote control over the camera from greater distances and broader angles than are possible with infrared remote controls, and obstacles such as trees between the transceiver and transmitter do not impede communications. Not only autofocus is possible with the shutter-release button pressed halfway but also control over operations such as continuous shooting, movie recording and quiet release mode is possible. Naturally, the WR-T10 can be used to remotely control a single camera to which the WR-R10 is connected, but it can also control multiple cameras to which WR-R10s have been connected1,. The WR-R10/WR-T10 makes photography much more enjoyable as it enables varied expression of scenes using multiple cameras, each with a different lens mounted, and each shooting the subject from a different angle using the vari-angle monitor.

Standard Accessories for Nikon D5200

- EN-EL14 Rechargeable Li-ion Battery
- MH-24 Battery Charger
- DK-5 Eyepiece Cap
- DK-20 Rubber Eyecup
- UC-E17 USB Cable
- EG-CP16 Audio Video Cable
- AN-DC3 Camera Strap
- BF-1B Body Cap
- BS-1 Accessory Shoe Cover
- ViewNX 2 CD-ROM

Technical Specifications	Nikon D5200 DSLR
Type	
Type	Single-lens reflex digital camera
Lens mount	Nikon F mount (with AF contacts)
Effective angle of view	Nikon DX format; focal length equivalent to approx. 1.5x that of lenses with FX-format angle of view
Effective pixels	
Effective pixels	24.1 million
Image sensor	
Image sensor	23.5 x 15.6 mm CMOS sensor
Total pixels	24.71 million
Dust-reduction system	Image sensor cleaning, Airflow Control System, Image Dust Off reference data (optional Capture NX 2 software required)
Storage	
Image size (pixels)	<ul style="list-style-type: none"> • 6000 x 4000 [L] • 4496 x 3000 [M] • 2992 x 2000 [S]
File format	<ul style="list-style-type: none"> • NEF (RAW): 14 bit, compressed • 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	Standard, Neutral, Vivid, Monochrome, Portrait, Landscape; selected Picture

System	Control can be modified; storage for custom Picture Controls
Media	SD (Secure Digital) and UHS-I compliant SDHC and SDXC memory cards
File system	DCF (Design Rule for Camera File System) 2.0, DPOF (Digital Print Order Format), Exif (Exchangeable Image File Format for Digital Still Cameras) 2.3, PictBridge
Viewfinder	
Viewfinder	Eye-level pentamirror single-lens reflex viewfinder
Frame coverage	Approx. 95% horizontal and 95% vertical
Magnification	Approx. 0.78x (50 mm f/1.4 lens at infinity, -1.0 m-1)
Eyepoint	17.9 mm (-1.0 m-1; from center surface of viewfinder eyepiece lens)
Diopter adjustment	-1.7 to +0.7 m-1
Focusing screen	Type B BriteView Clear Matte Mark VII screen
Reflex mirror	Quick return
Lens aperture	Instant return, electronically controlled
Lens	
Compatible lenses	Autofocus is available with AF-S and AF-I lenses; autofocus is not available with other type G and D lenses, AF lenses (IX NIKKOR and lenses for the F3AF are not supported), and AI-P lenses; non-CPU lenses can be used in mode M , but the camera exposure meter will not function The electronic rangefinder can be used with lenses that have a maximum aperture of f/5.6 or faster
Shutter	
Type	Electronically controlled vertical-travel focal-plane shutter
Speed	1/4000 to 30 s in steps of 1/3 or 1/2 EV, bulb, time (requires optional ML-L3 Remote Control)
Flash sync speed	X=1/200 s; synchronizes with shutter at 1/200 s or slower
Release	
Release modes	single frame, continuous low speed, continuous high speed, self-timer, delayed remote; ML-L3, quick-response remote; ML-L3, quiet shutter release; interval timer photography supported
Frame advance rate	Up to 3 fps (L) or 5 fps (H)
Self-timer	2 s, 5 s, 10 s, 20 s; 1 to 9 exposures
Exposure	
Metering mode	TTL exposure metering using 2016-pixel RGB sensor
Metering method	<ul style="list-style-type: none"> Matrix: 3D color matrix metering II (type G and D lenses); color matrix metering II (other CPU lenses)

	<ul style="list-style-type: none"> Center-weighted: Weight of 75% given to 8-mm circle in center of frame Spot: Meters 3.5-mm circle (about 2.5% of frame) centered on selected focus point
Range (ISO 100, f/1.4 lens, 20°C/68°F)	<ul style="list-style-type: none"> Matrix or center-weighted metering: 0 to 20 EV Spot metering: 2 to 20 EV
Exposure meter coupling	CPU
Exposure modes	Auto modes (auto; auto [flash off]); programmed auto with flexible program ; shutter-priority auto ; aperture-priority auto ; manual ; scene modes (portrait; landscape; child; sports; close up; night portrait; night landscape; party/indoor; beach/snow; sunset; dusk/dawn; pet portrait; candlelight; blossom; autumn colors; food); special effects modes (night vision; color sketch; miniature effect; selective color; silhouette; high key; low key)
Exposure compensation	Can be adjusted by -5 to +5 EV in increments of 1/3 or 1/2 EV
Exposure bracketing	3 shots in steps of 1/3 or 1/2 EV
Exposure lock	Luminosity locked at detected value
ISO sensitivity (Recommended Exposure Index)	ISO 100 to 6400 in steps of 1/3 EV; can also be set to approx. 0.3, 0.7, 1 or 2 EV (ISO 25600 equivalent) above ISO 6400; auto ISO sensitivity control available
Active D-Lighting	Auto, extra high, high, normal, low, off
ADL bracketing	2 shots
Focus	
Autofocus	Nikon Multi-CAM 4800DX autofocus sensor module with TTL phase detection, 39 focus points (including 9 cross-type sensors), and AF-assist illuminator (range approx. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.)
Detection range	-1 to +19 EV (ISO 100, 20°C/68°F)
Lens servo	<ul style="list-style-type: none"> 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 (M): Electronic rangefinder can be used
Focus point	Can be selected from 39 or 11 focus points
AF-area modes	Single-point AF, 9-, 21- or 39-point dynamic-area AF, 3D-tracking, auto-area AF
Focus lock	Focus can be locked by pressing shutter-release button halfway (single-servo AF)
Flash	
Built-in flash	Auto flash with auto pop-up Manual pop-up with button release

Guide number	Approx. 12/39, 13/43 with manual flash (m/ft, ISO 100, 20°C/68°F)
Flash control	TTL: i-TTL flash control using 2016-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 metering, standard i-TTL flash for digital SLR with spot metering
Flash modes	Auto, auto with red-eye reduction, auto slow sync, auto slow sync with red-eye reduction, fill-flash, red-eye reduction, slow sync, slow sync with red-eye reduction, rear-curtain with slow sync, rear-curtain sync, off
Flash compensation	-3 to +1 EV in increments of 1/3 or 1/2 EV
Flash-ready indicator	Lights when built-in flash or optional flash unit is fully charged; flashes after flash is fired at full output
Accessory shoe	ISO 518 hot-shoe with sync and data contacts and safety lock
Nikon Creative Lighting System (CLS)	Advanced Wireless Lighting supported with SB-910, SB-900, SB-800 or SB-700 as a master flash or SU-800 as commander; Flash Color Information Communication supported with all CLS-compatible flash units
Sync terminal	AS-15 Sync Terminal Adapter (available separately)
White balance	
White balance	Auto, incandescent, fluorescent (7 types), direct sunlight, flash, cloudy, shade, preset manual, all except preset manual with fine-tuning
White balance bracketing	3 shots in steps of 1
Live View	
Lens servo	<ul style="list-style-type: none"> Autofocus (AF): Single-servo AF (AF-S); full-time servo AF (AF-F) Manual focus (M)
AF-area modes	Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF
Autofocus	Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected)
Automatic scene selection	Available in Auto and Flash modes
Movie	
Metering	TTL exposure metering using main image sensor
Metering method	Matrix
Frame size (pixels) and frame rate	<ul style="list-style-type: none"> 1920 x 1080, 60i (59.94 fields/s)/50i (50 fields/s)*, ★ high/normal 1920 x 1080, 30p (progressive)/25p/24p, ★ high/normal 1280 x 720, 60p/50p, ★ high/normal 640 x 424, 30p/25p, ★ high/normal Frame rates of 30p (actual frame rate 29.97 fps), 60i, and 60p (actual

	<p>frame rate 59.94 fps) are available when NTSC is selected for video mode; 25p, 50i, and 50p are available when PAL is selected for video mode; actual frame rate when 24p is selected is 23.976 fps</p> <p>*Sensor output is about 60 or 50 fps</p> <p>Note: A smaller crop is used for movies with a frame size/frame rate of 1920 x 1080 60i or 50i</p>
File format	MOV
Video compression	H.264/MPEG-4 Advanced Video Coding
Audio recording format	Linear PCM
Audio recording device	Built-in monaural or external stereo microphone; sensitivity adjustable
Maximum length	29 min. 59 s (3 min. in miniature effect mode)
ISO sensitivity	ISO 100 to 6400; can also be set to approx. 0.3, 0.7, 1, or 2 EV (ISO 25600 equivalent) above ISO 6400
Monitor	
Monitor	7.5-cm (3-in.), approx. 921k-dot (VGA), vari-angle TFT monitor with 170° viewing angle, approx. 100% frame coverage, and brightness adjustment
Playback	
Playback	Full-frame and thumbnail (4, 9, or 72 images or calendar) playback with playback zoom, movie playback, photo and/or movie slide shows, histogram display, highlights, auto image rotation, and image comment (up to 36 characters)
Interface	
USB	Hi-Speed USB
Video output	NTSC, PAL
HDMI output	Type C mini-pin HDMI connector
Accessory terminal	Wireless remote controller: WR-R10 (available separately) Remote cord: MC-DC2 (available separately) GPS unit: GP-1 (available separately)
Audio input	Stereo mini-pin jack (3.5-mm diameter)
Supported languages	
Supported languages	Arabic, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese (Portugal and Brazil), Romanian, Russian, Spanish, Swedish, Thai, Turkish, Ukrainian
Power source	
Battery	One EN-EL14 Rechargeable Li-ion Battery

AC adapter	EH-5b AC Adapter; requires EP-5A Power Connector (available separately)
Tripod socket	
Tripod socket	1/4 in. (ISO 1222)
Dimensions / weight	
Dimensions (W x H x D)	Approx. 129 x 98 x 78 mm/5.1 x 3.9 x 3.1 in.
Weight	Approx. 555 g/1 lb 3.6 oz with battery and memory card but without body cap; approx. 505 g/1 lb 1.8 oz (camera body only)
Operating environment	
Temperature	0 to 40°C/32 to 104°F
humidity	85% or less (no condensation)