

Nikon Digital SLR Camera D3100 Specifications

Type	
Type	Single-lens reflex digital camera
Lens mount	Nikon F mount (with AF contacts)
Effective angle of view	Approx. 1.5 x lens focal length (Nikon DX format)
Effective pixels	
Effective pixels	14.2 million
Image sensor	
Image sensor	23.1 x 15.4 mm CMOS sensor
Total pixels	14.8 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)	• 4,608 x 3,072 [L] • 3,456 x 2,304 [M] • 2,304 x 1,536 [S]
File format	• 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 System	Standard, Neutral, Vivid, Monochrome, Portrait, Landscape; selected Picture Control can be modified
Media	SD (Secure Digital), SDHC and SDXC memory cards
File system	DCF (Design Rule for Camera File System) 2.0, DPOF (Digital Print Order Format), Exif 2.21 (Exchangeable Image File Format for Digital Still Cameras), PictBridge
Viewfinder	
Viewfinder	Eye-level pentamirror single-lens reflex viewfinder
Frame coverage	Approx. 95% horizontal and 95% vertical
Magnification	Approx. 0.8 x (50 mm f/1.4 lens at infinity, -1.0 m ⁻¹)
Eye point	18 mm (-1.0 m ⁻¹)
Diopter adjustment	-1.7 to +0.5 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	• AF-S and AF-I: All functions supported. • Type G or D AF NIKKOR without built-in autofocus motor: All functions except autofocus supported. IX NIKKOR lenses not supported. • Other AF NIKKOR: All functions supported except autofocus and 3D color matrix metering II. Lenses for F3AF not supported. • Type D PC NIKKOR: All functions supported except autofocus and some shooting modes. • AI-P NIKKOR: All functions supported except autofocus and 3D color matrix metering II. • Non-CPU: Autofocus not supported. Can be used in exposure mode M, but exposure meter does not function. Note: Electronic rangefinder can be used if lens has 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 EV, Bulb
Flash sync speed	X=1/200 s; synchronizes with shutter at 1/200 s or slower
Release	
Release mode	[S] (single frame), [C] (continuous), [S] (self-timer), [L] (quiet shutter release)
Frame advance rate	Up to 3 fps (manual focus, mode M or S, shutter speed 1/250 s or faster, and other settings at default values)
Self-timer	2 s, 10 s
Exposure	
Metering	TTL exposure metering using 420-pixel RGB sensor
Metering method	• Matrix: 3D color matrix metering II (type G and D lenses); color matrix metering II (other CPU lenses) • 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, 1/1.4 lens, 68°F/20°C)	• 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]); scene modes (portrait, landscape, child, sports, close up, night portrait); programmed auto with flexible program (P); shutter-priority auto (S); aperture-priority auto (A); manual (M)
Exposure compensation	-5 to +5 EV in increments of 1/3 EV
Exposure lock	Luminosity locked at detected value with AE-L/AF-L button
ISO sensitivity (Recommended Exposure Index)	ISO 100 to 3200 in steps of 1 EV; can also be set to approx. 1 EV above ISO 3200 (ISO 6400 equivalent) or to approx. 2 EV above ISO 3200 (ISO 12800 equivalent); auto ISO sensitivity control available
Active D-Lighting	On, Off
Focus	
Autofocus	Nikon Multi-CAM 1000 autofocus sensor module with TTL phase detection, 11 focus points (including one cross-type sensor), and AF-assist illuminator (range approx. 1 ft. 8 in. to 9 ft. 10 in.)
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
AF-area mode	Single-point AF, dynamic-area AF, auto-area AF, 3D-tracking (11 points)
Focus lock	Focus can be locked by pressing shutter-release button halfway (single-servo AF) or by pressing AE-L/AF-L button
Flash	
Built-in flash	Auto, Portrait, Child, Close up, Night portrait: Auto flash with auto pop-up P, S, A, M: Manual pop-up with button release

Guide number	Approx. 39/12, 43/13 with manual flash (ft/m, ISO 100, 68°F/20°C)
Flash control	• TTL: i-TTL, balanced fill-flash and standard i-TTL flash for digital SLR using 420-pixel RGB sensor are available with built-in flash and SB-910, SB-900, SB-800, SB-700, SB-600, or SB-400 (i-TTL balanced fill-flash is available when matrix or center-weighted metering is selected) • Auto aperture: Available with SB-910, SB-900/SB-800 and CPU lens • Non-TTL auto: Supported flash units include SB-910, SB-900, SB-800, SB-800DX, SB-28DX, SB-28, SB-27, and SB-22S • Distance-priority manual: Available with SB-910, SB-900, SB-800 and SB-700
Flash mode	Auto, auto with red-eye reduction, fill-flash, auto slow sync, auto slow sync with red-eye correction, and rear curtain with 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-800, SB-700, SB-600, or SB-400 is fully charged; blinks for 3 s 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, SB-700, or SU-800 as commander; Flash Color Information Communication supported with built-in flash and all CLS-compatible flash units
Sync terminal	Sync Terminal Adapter AS-15 (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.

Live View	
Lens servo	• Autofocus (AF): Single-servo AF (AF-S); full-time-servo AF (AF-F) • Manual focus (MF)
AF-area mode	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)
Scene Auto Selector	Available in auto and auto (flash off) modes

Movie	
Metering	TTL exposure metering using main image sensor
Metering method	Matrix
Frame size (pixels) and frame rate	• 1,920 x 1,080 (24p): 24 fps (23.976 fps) • 1,280 x 720 (30p): 30 fps (29.97 fps) • 1,280 x 720 (25p): 25 fps • 1,280 x 720 (24p): 24 fps (23.976 fps) • 640 x 424 (24p): 24 fps (23.976 fps)
Maximum recording time	10 min.
File format	MOV
Video compression	H.264/MPEG-4 Advanced Video Coding
Audio recording format	Linear PCM
Audio recording device	Built-in monaural microphone

Monitor	
LCD monitor	3-in., approx. 230 k-dot TFT LCD with brightness adjustment

Playback	
Playback function	Full-frame and thumbnail (4, 9, or 72 images or calendar) playback with playback zoom, movie playback, slide show, 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	• Remote cord: MC-DC2 (available separately) • GPS unit: GP-1 (available separately)

Supported languages	
Supported languages	Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Turkish

Power source	
Battery	One Rechargeable Li-ion Battery EN-EL14
AC adapter	AC Adapter EH-5b; requires Power Connector EP-5A (available separately)

Tripod socket	
Tripod socket	1/4 in. (ISO 1222)

Dimensions / weight	
Dimensions (W x H x D)	Approx. 4.9 x 3.8 x 2.9 in.
Weight	Approx. 1 lb. 1.8 oz. with battery and memory card but without body cap (camera body only: approx. 1 lb)

Operating environment	
Temperature	32 to 104°F (0 to 40°C)
Humidity	Less than 85% (no condensation)

Accessories	
Supplied accessories	Rechargeable Li-ion Battery EN-EL14, Battery Charger MH-24, Eyepiece Cap DK-5, Rubber Eyecap DK-20, Camera Strap AN-DC3, Accessory Shoe Cover BS-1, Body Cap BF-1B, ViewNX 2 CD-ROM, Ferrite Core (2 types) (may differ by country or area)

- Microsoft and Windows, Windows 7 are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- Macintosh and QuickTime are registered trademarks or trademarks of Apple Inc. in the United States and/or other countries.
- The SD logo is a trademark of the SD Card Association.
- The SDXC logo is a trademark.
- PictBridge is a trademark.
- HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.
- Products and brand names are trademarks or registered trademarks of their respective companies.
- Images in viewfinders, on LCDs and monitors shown in this brochure are simulated.

Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. January 2012
©2010 Nikon Corporation Nikon symbol is a registered trademark of Nikon Corporation in Japan and the USA.



WARNING

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



Nikon Canada Inc. 1366 Aerowood Drive, Mississauga, Ontario, L4W 1C1, Canada www.nikon.ca
Nikon Inc. 1300 Walt Whitman Road, Melville, N.Y. 11747-3064, U.S.A. www.nikonusa.com

Printed in Japan Code No. 6CE10045 (1201/E) J



At the heart of the image™

D3100™

Elevate Your Photography to Beautiful New Heights

Enjoy the Ease

Enjoy the Beauty

65 million NIKKOR



EN

DSLR-D3100-30-10/11



- DX-format, 14.2 effective megapixel CMOS image sensor
- EXPEED 2 – Nikon's new image processing engine
- ISO sensitivity 100-3200 (expandable to ISO 12800 equivalent)
- Guide Mode
- D-Movie – Full HD 1080p movie shooting
- 3-in. monitor and Live View shooting

D3100

• Lens: AF-S DX NIKKOR 18-55mm f/3.5-5.6G VR • Exposure: Shutter priority auto, 1/2000 second, f/6.3 • White balance: Auto • ISO sensitivity: 200 • Picture Control: Vivid

A moving experience in digital photography that everyone can enjoy.

Easily capture the beauty of life's fleeting moments with the new D3100. A feature-rich digital SLR camera that surprises you with simplicity, and positively delights with superb results. Whether shooting casual snapshots, a delicately composed still life or full HD movies, you'll love the ease with which D3100 does it all.



Enjoy
the
Beauty

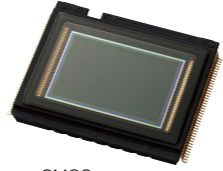
The camera that amazes.
Shoot with D3100 and enjoy the beauty.

Softly defocused backgrounds that only a D-SLR can produce

Exceptional
Details

- **DX-format, 14.2 effective megapixel CMOS image sensor** **NEW**

Nikon equipped D3100 with a newly developed CMOS sensor for outstanding subject detail and smooth color gradation. Whether shooting photos or full HD movies, the sensor is crucial to image quality. The high pixel count of D3100's sensor produces photos of striking clarity, revealing all the nuance of the original scene with minimum noise — ideal for intricately detailed textures and grain-free background defocus.



CMOS sensor

Faithful
Color

Faithful color reproduction and smooth, beautiful gradations

EXPEED 2

- **EXPEED 2 – Nikon's new image processing engine** **NEW**



Welcome to a new level of excellence with EXPEED 2. We've leveraged our vast technological know-how to bring you Nikon's most advanced image processing engine yet. EXPEED 2 maximizes CMOS sensor performance for clear, lifelike images that exhibit vivid colors, reduced noise and smooth tonal gradations for outstanding photos and movies.

Great performance and less blur in dimly lit settings

Dazzling
Low-light
Photos

- **ISO sensitivity 100-3200 (expandable to ISO 12800 equivalent)**

A maximum ISO of 3200 (standard range) lets you shoot at fast shutter speeds, reducing camera-shake blur in dimly lit scenes. Twilight and indoor shots come alive with a refreshingly natural look without the need for a tripod or flash. Moreover, fast shutter speeds make it easy to freeze action in dynamic situations such as children at play and sports events. For added versatility, D3100's Hi 1 and Hi 2 settings effectively boost ISO to the equivalent of 6400 and 12800, respectively.



Hi 2 (ISO 12800 equivalent)



ISO 3200



ISO 1600



• Lens: AF-S DX NIKKOR 18-55mm f/3.5-5.6G VR • Exposure: Aperture priority auto, 1/125 second, f/5.6 • White balance: Auto • ISO sensitivity: 100
• Picture Control: Vivid

Enjoy the Ease

The camera that teaches you how...
Let D3100 satisfy your dreams of better photos.

Guide Mode – The sure way to obtain desired results

Effortless Shooting

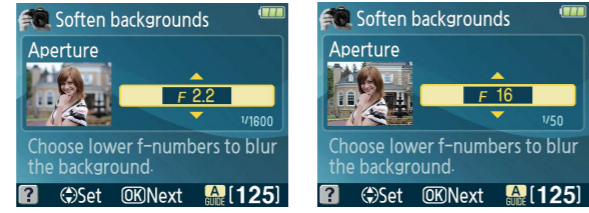
Guide Mode



An enchanting portrait against a softly defocused background, or a radiant couple surrounded by sparkling lights. Taking photos like these is easy with D3100's Guide Mode — in-camera guidance that shows you step-by-step how to change camera settings. Just select a Guide Mode setting that matches the scene then let Guide Mode assist. Not only will you obtain the desired results, you'll understand how you achieved them. Guide Mode even displays sample photos so you'll know what to expect from each setting.



Assist image displays a sample photo that reflects camera settings.



Select

- | Easy operation | | |
|-------------------------|----------------------------|----------------------|
| • Auto | • Close-ups | • Landscapes |
| • No flash | • Sleeping faces | • Portraits |
| • Distant subjects | • Moving subjects | • Night portrait |
| Advanced operation | | |
| • Soften backgrounds | • Freeze motion (people) | • Show water flowing |
| • Bring more into focus | • Freeze motion (vehicles) | |

Shoot

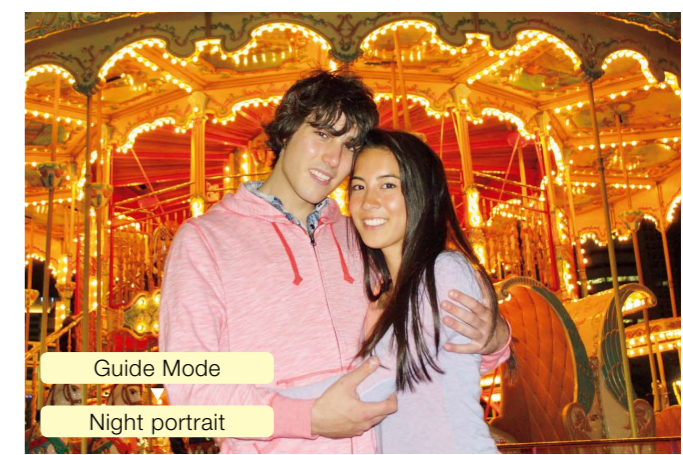


Guide Mode
Soften backgrounds

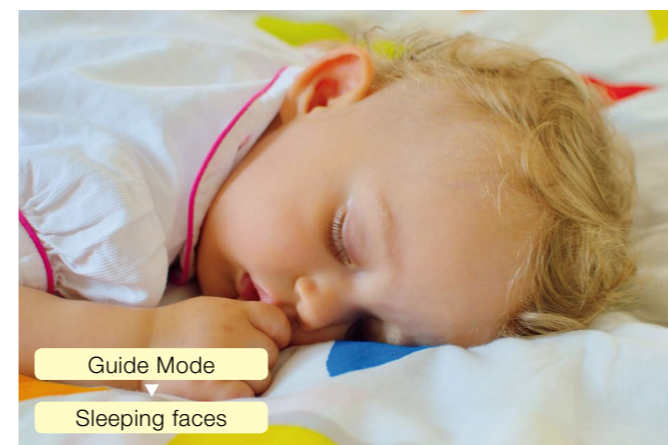
• Lens: AF-S DX NIKKOR 35mm f/1.8G • Exposure: Aperture priority auto, 1/1600 second, f/2.2 • White balance: Auto • ISO sensitivity: 400
• Picture Control: Portrait



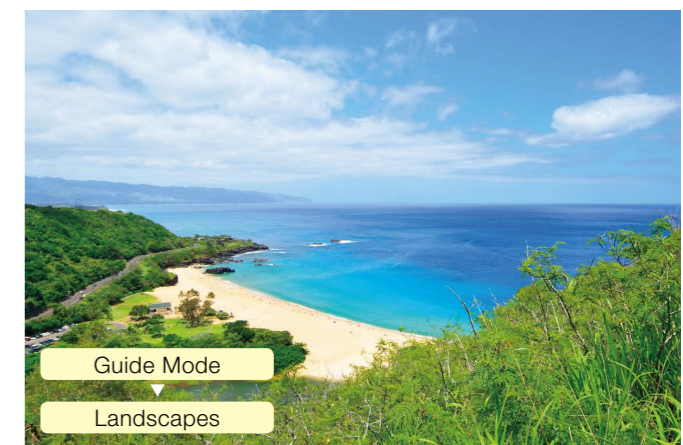
Guide Mode
Close-ups



Guide Mode
Night portrait



Guide Mode
Sleeping faces



Guide Mode
Landscapes

The joy of simplicity. Shooting great photos and full HD movies was never so easy.



New AF modes capture moving subjects

• Live View with new AF modes and large 3-in. monitor

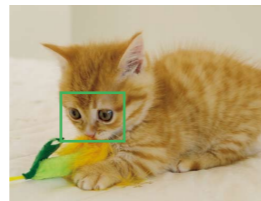
Live View gives you an intuitive, familiar way to photograph playful pets or children on the move. Just flip a switch and you're ready to go. When Live View is activated and new Full-time-servo AF (AF-F) is selected, the camera keeps subjects in focus without having to press the shutter-release button — convenient for photos and movies. There is also new Face-priority AF that locks focus on faces, even on people not directly facing the camera. Live View makes D3100 as easy to use as a compact camera.



Full-time-servo AF (AF-F) **NEW**

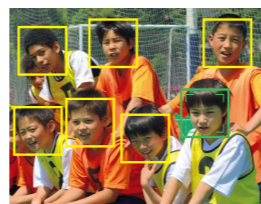
Autofocus automatically begins after Live View is activated, tracking the subject continuously without having to press the shutter-release button.

Note: When shooting movies, noise from the lens motor may be recorded.



Face-priority AF

The camera can recognize up to 35 faces at a time then focus on the face that is determined to be nearest. Even if people in the frame move, the camera continues tracking and focusing.



• Lens: AF-S DX NIKKOR 18-55mm f/3.5-5.6G VR • Exposure: Sports mode, 1/500 second, f/5.3 • White balance: Auto • ISO sensitivity: Auto (900)
• Picture Control: Standard

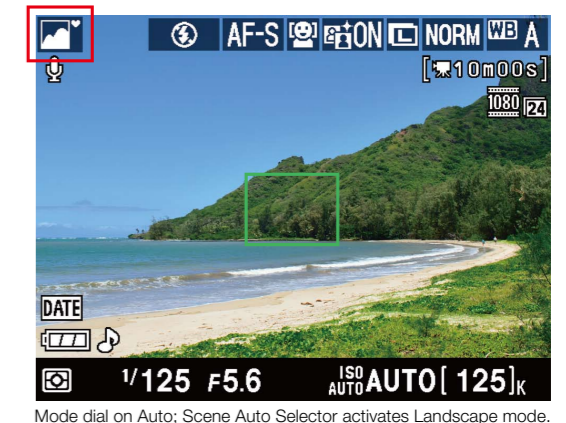
Letting D3100 decide the best mode to match the scene

• Scene Auto Selector

D3100 automatically selects the Scene Mode that matches the shooting situation and subject. During Live View shooting with the Mode dial on Auto or Auto (flash off), Scene Auto Selector* automatically activates Portrait, Landscape, Close up or Night portrait modes depending on the scene. For added convenience, an icon appears in the top-left corner of the LCD monitor that shows the selected mode.

- Auto**
- Auto (flash off)**
- Landscape
- Close up
- Portrait
- Night portrait

* Except when using manual focus.
** Selected when the camera identifies situations with no corresponding Scene Mode, or for situations that can be shot in Auto or Auto (flash off).



• D-Movie – Full high-definition quality **NEW**

Discover the difference a digital SLR makes when shooting movies. A wide selection of NIKKOR lenses gives you freedom to explore different angles and obtain lovely defocused backgrounds while D3100's advanced imaging system assures outstanding quality. And for action sequences, new Subject-tracking AF keeps subjects properly focused. After the shoot, view movies on the large 3-in. LCD monitor and perform simple editing tasks like trimming scenes before or after a designated point and extracting still images. HDMI compatibility* lets you connect D3100 to an HDTV with playback managed by the TV's remote control**.

* Via HDMI miniport. ** HDMI CEC-compatible TVs only.



Cable: Type C mini-pin HDMI cable (available separately from third-party suppliers).

Nikon technology.

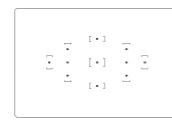
The key to effortless shooting and satisfying results.



Quick, accurate autofocus ready for the decisive moment

● 11-point AF system

D3100's precision high-speed autofocus responds immediately to changes in scene or composition, maintaining tack-sharp focus to capture fleeting expressions and fast-moving sports. The all-important central focus point features a cross-type sensor while the new superimposed display achieves a clear, uncluttered viewfinder. Various autofocus modes cover nearly any situation, including auto-area AF that automatically selects the subject on which to focus, and 3D-tracking* that maintains focus on a subject regardless of changes in composition as long as the shutter-release button is pressed half way.



11 AF points



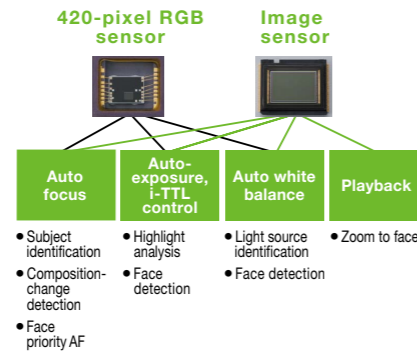
Note: The 11 AF points shown here are for illustration purposes only. Actual appearance differs.

* When autofocus is set to AF-A or AF-C.

Intelligent operation in any setting

● Scene Recognition System

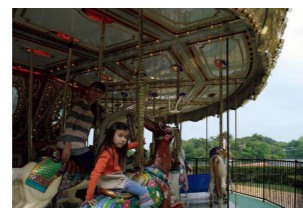
Nikon's exclusive Scene Recognition System utilizes a 420-pixel RGB sensor to analyze a composition immediately before you take the shot. It then automatically optimizes exposure, autofocus, and white balance, allowing you to obtain beautiful photos without the hassle of making complicated camera adjustments yourself. Face detection also benefits from Scene Recognition System, exhibiting improved recognition accuracy and definition as well as enabling instant zoom-to-face in playback mode.



Beautiful balancing of light and shade

● Active D-Lighting

Shooting in bright sunlight often produces pictures with extreme contrast between light and dark areas, resulting in loss of tone and detail. Active D-Lighting effectively combats this by preserving important details in shadows and highlights. The results are optimally exposed photos that better reflect the scene as you saw it.



Without Active D-Lighting



With Active D-Lighting

Customizing images before the shot

● Picture Control

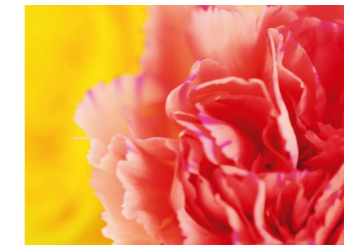
Expand creative expression with Picture Control. Six settings — Standard, Neutral, Vivid, Monochrome, Portrait and Landscape — let you determine the look of photos and full HD movies before you shoot. In addition, sharpness, contrast, brightness and saturation can be adjusted to customize settings.

Portrait



Natural, lovely skin tones

Vivid



Increased color saturation

Monochrome



Black and white images, including tints

In-camera image and movie editing

● Ample image and movie editing functions

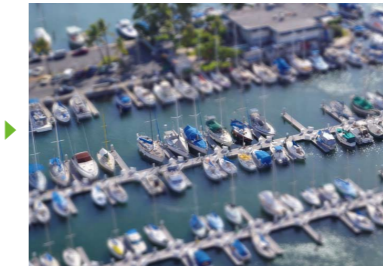
Heighten your photographic enjoyment with D3100's wide range of image and movie editing functions. Operations like Red-eye correction, Quick retouch, and Filter effects can be done in-camera, eliminating the need for a PC and enhancing convenience. You can also extract still images from movies and trim unnecessary frames.

Miniature effect



Makes pictures appear as if they are photos of miniature scale models; especially effective when shooting landscapes from above.

Original



Soft filter



Produces images similar to ones shot with a soft filter.

Color outline



Converts a photo into an outline image, which can be printed then hand-colored.

Perspective control



Corrects the perspective of shapes (like buildings) for a more natural look.

Original



Other items in the Retouch Menu

- D-Lighting
- Red-eye correction
- Trim (3:2, 4:3, 5:4, 1:1, 16:9)
- Monochrome (Black-and-white, Sepia, and Cyanotype)
- Filter effects (Skylight, Warm filter, Red intensifier, Green intensifier, Blue intensifier and Cross screen)
- Color balance
- Small picture
- Image overlay
- NEF (RAW) processing
- Quick retouch
- Straighten
- Distortion control
- Fisheye
- Edit movie

Anytime, anywhere. The right features for comfortable shooting and playback.

Easy operation and take-anywhere portability

• Compact and lightweight

At only approx. 1 lb. 1.8 oz.*, the compact and lightweight D3100 goes where you go. And it's so easy to use thanks to the ergonomic grip that simplifies shooting, both in horizontal and vertical positions. New dedicated controls for frequently used functions like Live View, D-Movie and shutter release modes further enhance ease of use.

* With battery and memory card but without body cap.

Weight
Approx.
1lb.
1.8oz.



Additional light whenever needed

• Built-in pop-up flash

When the light gets low or you find yourself shooting in tricky backlit lighting, use the built-in pop-up flash to brighten the scene. It activates automatically when needed depending on exposure mode*, or can be enabled manually. In addition, support for i-TTL flash control increases exposure accuracy.



* When Scene Mode is set to Auto, Portrait, Child, Close-up or Night portrait



Convenient and powerful Speedlight SB-400 (sold separately)



Prevent dust from ruining photos

• Nikon Integrated Dust Reduction System

D3100 is equipped with Nikon's Integrated Dust Reduction System. This solution includes a special Airflow Control System that redirects dust away from the low-pass filter located in front of the image sensor. Additionally, when powering the camera on or off, the filter automatically vibrates at precise frequencies to release image-degrading dust that may adhere to it.



Vent for Airflow Control System

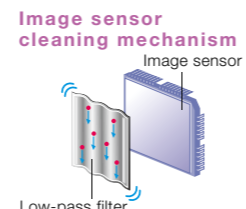


Image sensor cleaning mechanism

Low-pass filter

View photos with striking special effects

• Image playback with transitions **NEW**

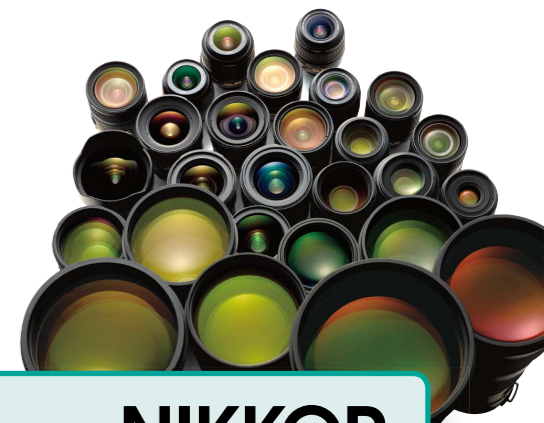
Choose from a series of special transitions when viewing photos. For slideshows, enjoy interesting effects like Zoom/Fade and Cube. When viewing photos individually, you can employ Slide in and Zoom/Fade. In addition, the large, bright LCD monitor makes playback a joy.



Slideshow with Cube effect

NIKKOR lenses. The right choice for amazing photos and full HD movies.

Note: The D3100 is exclusively designed for use with NIKKOR AF-S and AF-I lenses that are equipped with an autofocus motor.



NIKKOR

More ways to see the wonders of the world

• High-performance NIKKOR lenses

Approx. 5.5x telephoto zoom lens with VR – Capture faces from afar



55 mm



200 mm

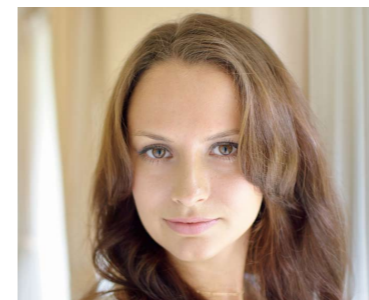


300 mm



NEW
AF-S DX NIKKOR 55-300mm
f/4.5-5.6G ED VR

35 mm prime lens – For softly defocused backgrounds



AF-S DX NIKKOR
35mm f/1.8G

85 mm micro lens – Easy hand-held macro photography



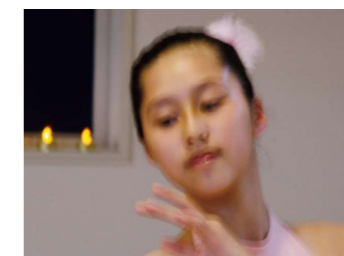
AF-S DX Micro NIKKOR
85mm f/3.5G ED VR

Less camera-shake blur in images and viewfinder

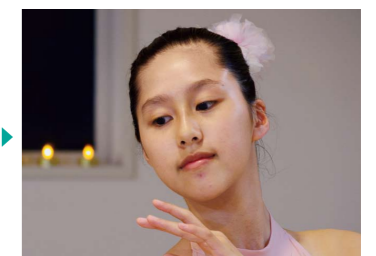
VR

• Nikon's original VR system

NIKKOR VR lenses reduce* blur in photos and full HD movies caused by camera-shake that often occurs when shooting at slow shutter speeds, such as in dimly lit environments or when using micro or telephoto lenses. Unlike in-camera image stabilization systems, Nikon's VR is in the lens, which allows it to correct blur in the viewfinder thereby aiding composition and focusing since the image remains stable.



Without in-lens camera-shake correction



With Nikon's in-lens VR system

* VR allows shooting handheld up to three stops slower (four stops slower with VR II) than when using non-VR lenses, based on Nikon measurements. Amount of correction varies depending on shooting conditions and photographer.

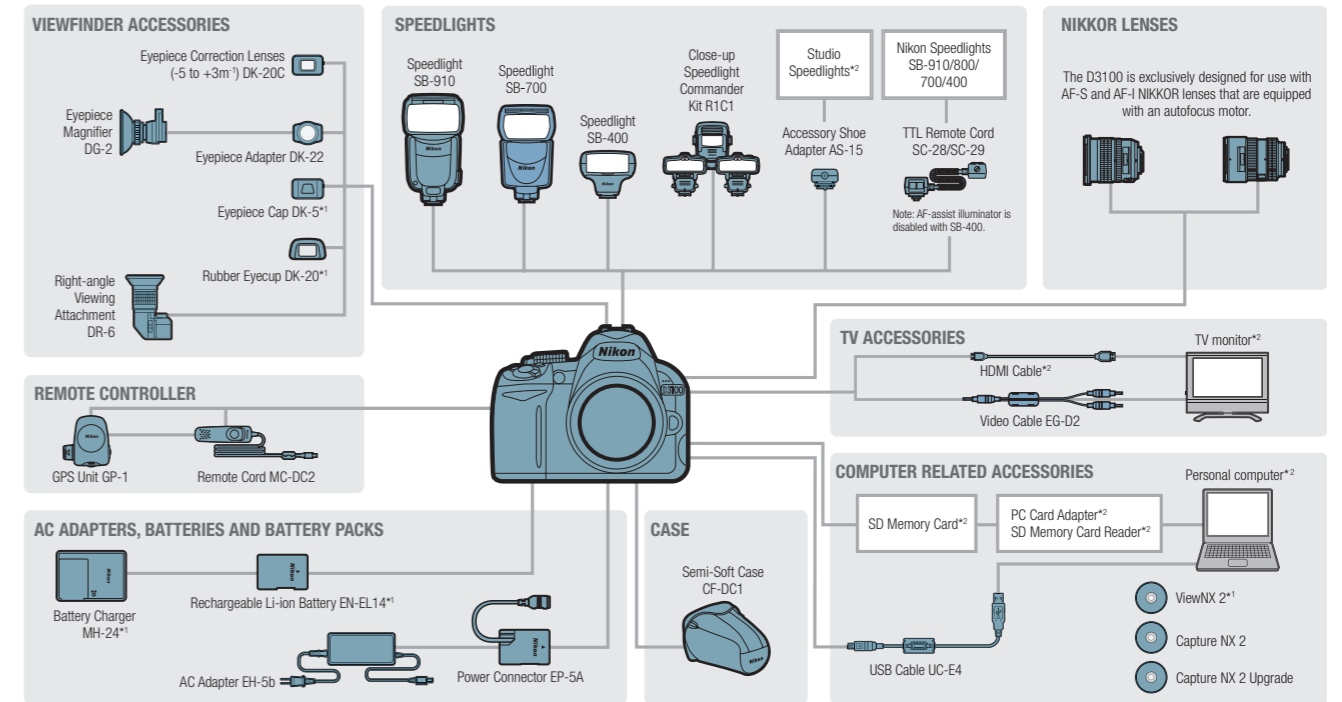
Smart image management with a PC

● ViewNX 2 software — Your imaging toolbox (bundled) **NEW**

ViewNX 2 is the convenient way to manage images, providing functions for storing, browsing, editing and sharing photos as well as movies. You can also attach labels to images to facilitate searches. This bundled software offers a wide range of editing functions, including rotate, re-size, crop, straighten, auto red-eye correction and more. Movie editing functions include the ability to delete scenes. ViewNX 2 integrates seamlessly with my Picturetown for simple, drag-and-drop uploads and online browsing.



System Chart



*1: Supplied accessories *2: Non-Nikon products

Intuitive operation for the finishing touch

● Capture NX 2 software — Expanded creative control (sold separately)

Capture NX 2's easy-to-learn editing tools unlock image potential without degrading original image quality. This software is ideal for optimizing Nikon NEF (RAW) files as well as JPEG and TIFF images. With award-winning U Point[®] technology, tedious editing procedures are easier than ever.

<http://www.capturenx.com>



Share photos and movies on the web

● my Picturetown — Free image sharing and storage

Nikon's own image sharing website allows you to easily store, manage and share images with family and friends worldwide. Membership is free and permits storage of up to 2 GB of photos and/or movies. (Pay an additional fee and get up to 200 GB of storage*). The service supports MOV and AVI movie files in addition to JPEG and RAW (NEF, NRW) still image files. Heighten your photographic enjoyment with my Picturetown!

my Picturetown
<http://mypicturetown.com>



Note: Website design may change without prior notice.

* Availability and fee may vary depending on country.

Parts and Controls



- Mode dial
- Release-mode selector
- Information button
- Exposure compensation button/Aperture button/Flash compensation button
- Shutter-release button
- Power switch
- AF-assist illuminator/Self-timer lamp/Red-eye reduction lamp
- Accessory shoe (for optional flash units)
- Flash mode button/Flash compensation button
- Microphone
- Function button
- Lens release button
- Playback button
- Menu button
- Thumbnail button/Playback zoom out button/Help button
- Playback zoom in button
- Information edit button
- Viewfinder eyepiece
- Diopter adjustment control
- AE-L/AF-L button/Protect button
- Command dial
- Live View switch
- Movie-record button
- Multi selector
- OK button
- Delete button
- Speaker
- Monitor

Memory card capacity^{*1}

The following table shows the approximate number of pictures that can be stored on a 4 GB SanDisk Extreme SDHC card at different image quality and size settings.

Image quality	Image size	File size ^{*1}	No. of images ^{*1}	Buffer capacity ^{*2}
NEF (RAW) + JPEG fine ^{*3}	L	19.8 MB	151	9
	M	12.9 MB	226	13
NEF (RAW)	L	6.8 MB	460	100
	M	3.9 MB	815	100
	S	1.8 MB	1700	100
JPEG fine	L	3.4 MB	914	100
	M	2.0 MB	1500	100
	S	0.9 MB	3300	100
JPEG normal	L	1.7 MB	1700	100
	M	1.0 MB	3000	100
	S	0.5 MB	6000	100

^{*1} All figures are approximate. File size varies with scene recorded.

^{*2} Maximum number of exposures that can be stored in memory buffer at ISO 100. Drops when noise reduction is on.

^{*3} Image size applies to JPEG images only. Size of NEF (RAW) images can not be changed. File size is the total for NEF (RAW) and JPEG images.

Approved memory cards

The following SD memory cards have been tested and approved for use in the D3100. Cards with class 6 write speeds are recommended for movie recording. Recording may end unexpectedly when cards with slower write speeds are used.

	SD memory cards	SDHC memory cards ^{*2}	SDXC memory cards ^{*3}
SanDisk	512 MB, 1 GB, 2 GB ^{*1}	4 GB, 8 GB, 16 GB	64 GB
Toshiba	512 MB, 1 GB, 2 GB ^{*1}	4 GB, 8 GB, 16 GB, 32 GB	64 GB
Panasonic	512 MB, 1 GB, 2 GB ^{*1}	4 GB, 8 GB, 16 GB, 32 GB	48 GB, 64 GB
LEXAR MEDIA	512 MB, 1 GB, 2 GB ^{*1}	4 GB, 8 GB	-
Platinum II	512 MB, 1 GB, 2 GB ^{*1}	4 GB, 8 GB	-
Professional	512 MB, 1 GB, 2 GB ^{*1}	4 GB, 8 GB, 16 GB, 32 GB	-

^{*1} Check that any card readers or other devices with which the card will be used support 2 GB cards.

^{*2} Check that any card readers or other devices with which the card will be used are SDHC-compliant.

^{*3} Check that any card readers or other devices with which the card will be used are SDXC-compliant.

Notes:

• Please check with the SD card manufacturer regarding features, specifications, warranty, and other items. Nikon cannot assure compatibility with SD cards not listed above.

• Limited to cards tested at the time of brochure printing. Additional cards may be fully compatible. Contact Nikon Customer Service for additional information.

Long-lasting lithium-ion battery

Included Rechargeable Li-ion Battery EN-EL14 delivers up to approximately 550 frames on a single charge*.

* Based on CIPA standards.

