Nikon

At the heart of the ímage

I AM PASSION

D7000

iamnikon.com

70 million NIKKOR

Inspired performance in a size that keeps you shooting

Meet the new Nikon D7000, a camera ready to go wherever your photography or cinematography takes you. Experience stunning images with sharp resolution and smooth tonal gradation, thanks to the **16.2 mega-pixel** DX-format CMOS image sensor and a powerful **EXPEED 2** image processing engine. Take advantage of its wide ISO range of **100 to 6400,** and its incredibly low levels of noise. Expect your images pin-sharp and accurately exposed, thanks to the camera's **39-point AF** and Scene Recognition System using a **2,016-pixel RGB matrix metering sensor.** And with an approx. **0.052-second release time lag** and approx. **6 frames-per-second** shooting, you won't miss a moment. You'll see exactly what you're capturing with the approx. **100% frame coverage viewfinder,** and for those who want to shoot both stills and movies, the D7000's D-Movie capabilities now include **full HD 1080p capture with full-time autofocus and manual exposure.** All of this advanced imaging technology is kept safe beneath the **magnesium alloy** covering the top and rear chassis of a compact body, in which the sealing has been tested against severe moisture and dust conditions. The D7000 is ready to shoot indoors and out, and, **tested at 150,000 cycles**, the camera's durable shutter unit helps you keep shooting. Combine all this with the unrivalled NIKKOR lens lineup and Creative Lighting System and you have everything you need to explore your imagination to its fullest. Where can creative freedom like this take you? Find out, with the D7000.

• Lens: AF-S DX NIKKOR 55-300mm f/4.5-5.6G ED VR • Image quality: 12-bit RAW (NEF) • Exposure: [M] mode, 1/160 second, f/4.5 • White balance: Direct sunlight • Sensitivity: ISO 640 • Picture Control: Neutral ©Chase Jarvis

16.2 megapixels & EXPEED 2

Rich in details and smooth tones under any lighting

Stunning image details: 16.2 effective megapixels
Whether you want to make large prints or crop tightly in an image, the D7000 delivers the resolution you need. At its heart is a DX-format CMOS image sensor with 16.2 effective megapixels, optimally engineered to gather more quality light through sharp NIKKOR lenses. Coupled with 14-bit A/D conversion (12-bit selectable), the D7000 produces stunning images that are richer in tone and detail than previously possible in DX format. The A/D conversion happens within the sensor, thereby maintaining exceptional image integrity without sacrificing shooting speed or energy efficiency. Combine these with the agile DX format and its signature 1.5x focal length telephoto potential and you can begin to see where this kind of shooting power can take you.

Improved image quality and speed: EXPEED 2 image processing engine
Sometimes you want to capture the subtle tones of a sunset. Other times you want to freeze the action. The D7000 delivers both, thanks to the newest generation of image processing engine, EXPEED 2, which performs multiple tasks with more speed and power. Expect smoother tonal gradations, even in difficult shadows and highlights,

for a greater sense of depth in your images. Shoot continuously at approx. 6 frames per second so you can capture the action you've been missing.

Standard ISO 100 to 6400, expandable to ISO 25600 equivalent
With improved pixel quality of the image sensor comes a wider ISO range from the DX-format — ISO 100 to 6400 has now become standard with the D7000, enabling you to handle a wider range of lighting situations: from the bright and sunny outdoors to low-lit evenings and interiors. Nikon's renowned noise reduction technology has been upgraded even further. Throughout the range, the D7000 delivers sharp images with minimised colour noise. And thanks to the higher processing speed, you can keep shooting continuously without stress, even when high ISO noise reduction is activated. Quality high-ISO performance can also enhance a lot for movie shooting, allowing you to capture the mood of a scene using only available light.


ISO 100


ISO 6400

Capture full HD 1080p D-Movie with full-time autofocus and manual exposure
The D7000 welcomes in a new era of movie capture: Full HD 1080p and movie editing functions for exceptional cinematic reproduction and quality. In addition to smooth-moving images, the camera can compensate for distortion and other image-degrading problems. Besides auto exposure mode, the D7000 offers manual exposure mode, which locks in the exposure value when shooting scenes with varying contrast levels, such as when panning from a bright window to a dark interior. Aside from a built-in monaural microphone, the D7000 incorporates an external microphone jack for high-quality stereo sound recording options.

Improved quality in highlight and shadow: Active D-Lighting
Nikon's exclusive Active D-Lighting offers the ability to preserve details in the highlights and shadowy areas of images shot in high-contrast scenes. Whether you're dealing with bright skies and a dark foreground or deep shadows where you can't use a flash, the EXPEED 2 image processing engine renders those scenes with smoother tones — even at its highest settings. Simply select Auto in Active D-Lighting mode and the camera can adjust to the scene's contrast levels or bracket them into three frames of varying strength levels. Even when Active D-Lighting is activated, you can still maintain the continuous shooting rate.


Active D-Lighting off


Active D-Lighting Extra High

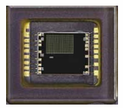
• Lens: AF-S DX NIKKOR 55-300mm f/4.5-5.6G ED VR • Image quality: 12-bit RAW (NEF) • Exposure: [M] mode, 1/1,600 second, f/4.5 • White balance: Direct sunlight • Sensitivity: ISO 100 • Picture Control: Neutral ©Chase Jarvis

39-point AF & 2,016-pixel RGB sensor

Stay focused on what matters most

Now even more precise: The Scene Recognition System

The D7000 incorporates a built-in exposure-metering sensor with a far larger pixel count than any other D-SLR camera before it. The 2,016-pixel RGB sensor reads the scene's

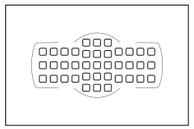


brightness and colours more accurately, and then applies this reading to optimise not only auto exposure, but also autofocus, auto white balance and i-TTL flash calculations — all in mere milliseconds prior to the actual exposure. With more pixels, the D7000 can recognise even smaller subjects — both moving and stationary. The newly improved Scene Recognition System delivers better photographs in every way.

Wide-area coverage, powerful 39-point AF

The D7000's strategically positioned 39 AF points cover a significantly wide area of the frame, giving you flexible compositional possibilities. The 9 AF points in the center utilise powerful cross-type sensors — especially useful when you need pin-

sharp focus such as with portraits and macro work. And unlike other manufacturers' systems, the D7000's 9 cross-type sensors work with all AF NIKKOR lenses f/5.6 or faster. The D7000 offers a variety of AF area modes, including dynamic-area AF using 9, 21, 39 points. Switch between the three, depending on the predictability of your subjects' movement, and the selected AF point and surrounding points will track your intended subject automatically. There is also 3D-tracking, which continuously follows moving subjects within the 39 AF points, indicating the activated



AF point in the viewfinder. Utilising Nikon's Scene Recognition System, auto-area

AF properly judges the main subject within 39 AF points and focuses on it. Therefore, no matter what the situation or composition calls for, the D7000's autofocus system will be ready to meet your focus needs.

Sophisticated AE with 2,016-pixel RGB sensor

After the incredibly accurate 2,016-pixel RGB sensor reads a scene's lighting information such as brightness and colours, the D7000 cross-references what it sees with imaging data from a large selection of real-world shooting situations. This way, the renowned 3D Colour Matrix Metering II delivers exposure results that are faithful to how you see light and shadow interplay, even in difficult lighting situations. This intelligent metering technique also delivers exceptionally accurate i-TTL flash exposures, and it all happens within milliseconds for both speed and precision.

Informed auto white balance (AWB)

Based on its massive collection of shooting data compiled from various light sources,

Normal

Keep warm lighting colours

the D7000's intelligent AWB algorithm renders white as truly white — even when shot under a wide range of light sources, including the difficult mercury vapour lighting. The D7000 also carries another AWB mode that maintains incandescent warmth in your images.

Contrast-detect AF for Live View and D-Movie

Live View and D-Movie users can rejoice, because with the D7000, contrast-detect AF is now faster than ever. Moreover, face-priority AF can detect up to 35 people. For moving subjects such as pets, subject-tracking AF keeps them in focus. Normal-area AF is recommended for pin-point focus and wide-area AF for handheld shooting. All are effective both for Live View shooting and movie recording.

More responsive power mechanism

Say farewell to missed opportunities. The D7000 incorporates a new driving mechanism to conduct its remarkably fast and precise mirror movements, giving you an approx. 0.052 second release time lag and an approx. 0.13 second start-up time*. What's more, you can continuously shoot at approx. 6 frames per second at both 14-bit and 12-bit A/D conversion for RAW shooting.

* Based on CIPA Guidelines.

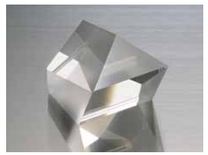
• Lens: AF-S DX NIKKOR 55-300mm f/4.5-5.6G ED VR • Image quality: 12-bit RAW (NEF) • Exposure: [M] mode, 1/1,000 second, f/8 • White balance: Direct sunlight • Sensitivity: ISO 320 • Picture Control: Neutral ©Chase Jarvis

Approx. 100% frame coverage viewfinder & magnesium alloy body

An ideal view in a rugged build

Rugged and protected: compact magnesium alloy body and sealing against dust and moisture
With a top and rear cover of durable magnesium alloy, the D7000 is ready for the outdoors. Nikon engineers paid meticulous attention to where exterior parts join by employing durable sealing against moisture and dust. The compact body has also undergone severe environmental tests to prove its rugged reliability.

921k-dots, 170-degree viewing angle, 7.5 cm (3-in.) LCD monitor
The D7000 features an expansive 7.5 cm (3-in.) VGA LCD monitor with reinforced glass. Its approx. 921k-dot resolution assures clear, detailed display of images, which proves invaluable when confirming focus or assessing image sharpness. The wide 170˚ viewing angle and bright display make it easy to review images or confirm menu settings when shooting outdoors.



Approx. 100% frame coverage viewfinder
With approximately 100% frame coverage in the viewfinder, what you see is what you exactly capture. The specially coated glass pentagonal prism and precision-crafted finder screen offer not only a bright viewfinder image, but also enable you to easily confirm when a subject is in focus.

Electronic Virtual Horizon
Especially useful for landscape shooting, the virtual horizon indicated in the LCD lets you know when the camera is level. It can also be displayed during Live View shooting. Additionally, you can confirm whether the camera is level via the optical viewfinder with the Viewfinder virtual horizon.

Precision and durability: 150,000 cycles tested shutter unit
The D7000 has a shutter speed range of 1/8,000 to 30 seconds, with a top flash synchronisation speed of 1/250 second. And just like with professional models, the shutter unit is tested for 150,000 cycles in severe conditions, proving precision and durability.

Double SD card slots
Two memory card slots offer a number of advantages: sequential recording; recording the same images simultaneously on two cards; recording RAW and JPEG separately onto two different cards; and duplicating images from one card to another. It's also possible to designate a specific card with more memory for use at the time of movie recording.

Intuitive operation: strategically located dials, buttons and switches
Each and every control on the D7000 has been strategically placed for streamlined operation. The mode dial and release mode dial are stacked on the same axis for easier access. Two new user settings can be assigned to the mode dial. The release mode dial now offers a quiet shutter release mode for near-silent operation. Its intuitively designed switch and button structure makes movie recording smooth while allowing for one-touch activation of Live View.

Intelligent power management
After carefully scrutinising every aspect of the camera's circuitry, Nikon engineers have designed the D7000 for maximum performance with minimised power usage. With the newly designed Rechargeable Li-ion Battery EN-EL15, up to approx. 1,050 frames* can be taken on a single charge.

*Based on CIPA Standards.

• Lens: AF-S DX NIKKOR 18-105mm f/3.5-5.6G ED VR • Image quality: 12-bit RAW (NEF) • Exposure: [M] mode, 1/200 second, f/7.1 • White balance: Cloudy • Sensitivity: ISO 200 • Picture Control: Neutral ©Chase Jarvis

• Lens: AF-S DX NIKKOR 55-300mm f/4.5-5.6G ED VR • Image quality: 12-bit RAW (NEF) • Exposure: [M] mode, 1/800 second, f/6.3 • White balance: Direct sunlight • Sensitivity: ISO 100 • Picture Control: Neutral ©Chase Jarvis

• Lens: AF-S NIKKOR 14-24mm f/2.8G ED • Image quality: 14-bit RAW (NEF) • Exposure: [M] mode, 1/1,000 second, f/6.3 • White balance: Direct sunlight • Sensitivity: ISO 800 • Picture Control: Neutral ©Chase Jarvis

• Lens: AF-S DX NIKKOR 10-24mm f/3.5-4.5G ED • Image quality: 12-bit RAW (NEF) • Exposure: [M] mode, 1/100 second, f/3.5
• White balance: Auto • Sensitivity: ISO 6400 • Picture Control: Neutral ©Chase Jarvis

NIKKOR & Nikon Cre ative Lighting System

Sharp, accurate and inspiring: NIKKOR lenses

Chosen by the world's leading professionals for their incomparably sharp and accurate images, NIKKOR lenses are some of the finest optics in the world. From wide-angle to telephoto, from prime to micro, the NIKKOR interchangeable lens lineup offers more choices to see and capture the world from your own amazing perspective.

NIKKOR
Capture more. Create more.

70 million NIKKOR

AF-S DX NIKKOR 10-24mm f/3.5-4.5G ED

This ultra-wide-angle lens, designed exclusively for use with Nikon's DX format, provides a versatile wide-angle zoom perspective and minimised distortion even from the extreme wide side.

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

DX format medium telephoto Micro NIKKOR lens is ideal for extreme close-up and general photography with continuous autofocus from infinity to life-size (1x). It provides a great working distance, as well as steady hand-held shooting thanks to VR II.

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

This approx. 5.5x super-telephoto zoom lens is compact and light-weight thanks to NIKKOR's exclu-sive High Refractive Index (HRI) lens, which delivers better optical performance in a single piece of glass than that obtained from several normal glass elements. It also provides excellent compression effects and steady hand-held shots thanks to VR II.

• Lens: AF-S NIKKOR 24-70mm f/2.8G ED • Speedlight: SB-900
• Image quality: 12-bit RAW (NEF) • Exposure: [M] mode, 1/60 second, f/2.8
• White balance: Cloudy • Sensitivity: ISO 1000 • Picture Control: Neutral ©Chase Jarvis

Nikon Creative Lighting System

The D7000 has a built-in pop-up flash that covers a 16mm lens perspective without vignetting. The flash is fully compatible with the Nikon Creative Lighting System (CLS) and delivers well-balanced flash exposures thanks to the innovative i-TTL flash control. The built-in flash also offers commander mode to trigger remote flash units when using Advanced Wireless Lighting. The dual advantages for i-TTL technology and wireless capability make sophisticated remote flash control simple and inspir-ing. One simple remote flash from the side using the SB-910 or SB-700 creates more texture, dimension and mood in ways that available light cannot. For more sophisticated creative effects, the small and intelligent SB-700 has been designed to make the control of remote multiple flashes even easier.

SB-700

Picture Control System & Accessories

Take your images further

Portrait

Vivid

Picture Control System

You can transform the look of an image simply by selecting from the camera's Picture Control menu. Choose from the following settings: Standard, Neutral, Vivid, Monochrome, Landscape, and Portrait. You can even adjust parameters such as sharpness and saturation and then save them as custom Picture Controls.

Monochrome

Landscape

Standard

Neutral

In-camera image retouch

Choose from the wide array of options available in the in-camera Retouch Menus. Re-align off-kilter images, adjust the colours or take advantage of other fun and powerful effects to make your images the best, all without a computer. The camera will create a duplicate image with your intended effects, leaving the original picture intact. Movie editing functions enable you to trim the movie length and extract still images.

Colour sketch

[Before] [After]

Multi-Power Battery Pack MB-D11

The dedicated battery pack MB-D11 ensures longer battery power. You can expect up to approx. 2,100 shots*. The MB-D11 is equipped with a shutter release button, command dials and a multi-selector useful for vertical composition shooting. It also provides better camera balance when a long telephoto lens is used.

*With two EN-EL15 (one in camera and one in MB-D11), based on CIPA Standards.

GPS Unit GP-1

With the GP-1, you can geotag your location information such as latitude, longitude, altitude and UTC (Universal Coordinated Time) in an image's EXIF data. The GP-1 also automatically corrects the camera's built-in clock. The unit can be mounted on the camera's accessory shoe or the camera strap.

Capture NX 2 — powerful tools for quick and easy photo editing

Nikon's Capture NX 2 image processing software gives you unprecedented creative freedom, especially when you work in NEF, Nikon's own image file format. The NEF format gives you the most creative freedom, helping you draw the most out of your digital files. Nik Software's exclusive U-Point® Technology simplifies image enhancement while enabling unmatched imaging potential. Instead of complicated layering and memorisation, Capture NX 2 lets you simply place a Colour Control Point wherever you want to reprocess. Using slider controls, you can adjust hue, saturation, brightness, contrast, red tone, green tone, blue tone and image warmth. The selection can then be applied within a designated area for the colour you need. Simply click, slide and adjust: a wonderfully visual experience capable of achieving both subtle and radical changes quickly. Use the Auto Retouch Brush to remove blemishes and other imperfections in your pictures. Simply click and drag over the distracting elements of your picture, and they disappear. All of these changes are non-destructive, giving you the freedom to experiment without worrying about spoiling the original image.

ViewNX 2 — Your Imaging Toolbox

Browse and organise images easily and efficiently with ViewNX 2. This bundled, all-in-one software helps you view, edit, store, and share both photos and movies. Attach labels to your images for simpler searching and browsing, or choose from an array of editing functions such as resize, crop, rotate, straighten and auto red-eye correction. Movie-editing functions equivalent to those of the D7000 are also available. ViewNX 2 also works effortlessly with Nikon's photo-sharing website, my Picturetown, making uploading and viewing your images more enjoyable than ever.

Camera Control Pro 2 — take control of your photography remotely

Utilising a USB connection, Camera Control Pro 2 lets you remotely control your D7000, including exposure mode, shutter speed and aperture. You can even shoot movies remotely. Integration with the D7000's Live View function makes it ideal in both the studio and the field. With an optional Wireless Transmitter WT-4A/B/C/D/E*, a Wi-Fi or wired Ethernet connection is possible.

* Product name varies according to region, depending on local frequency channels available.

Nik Software

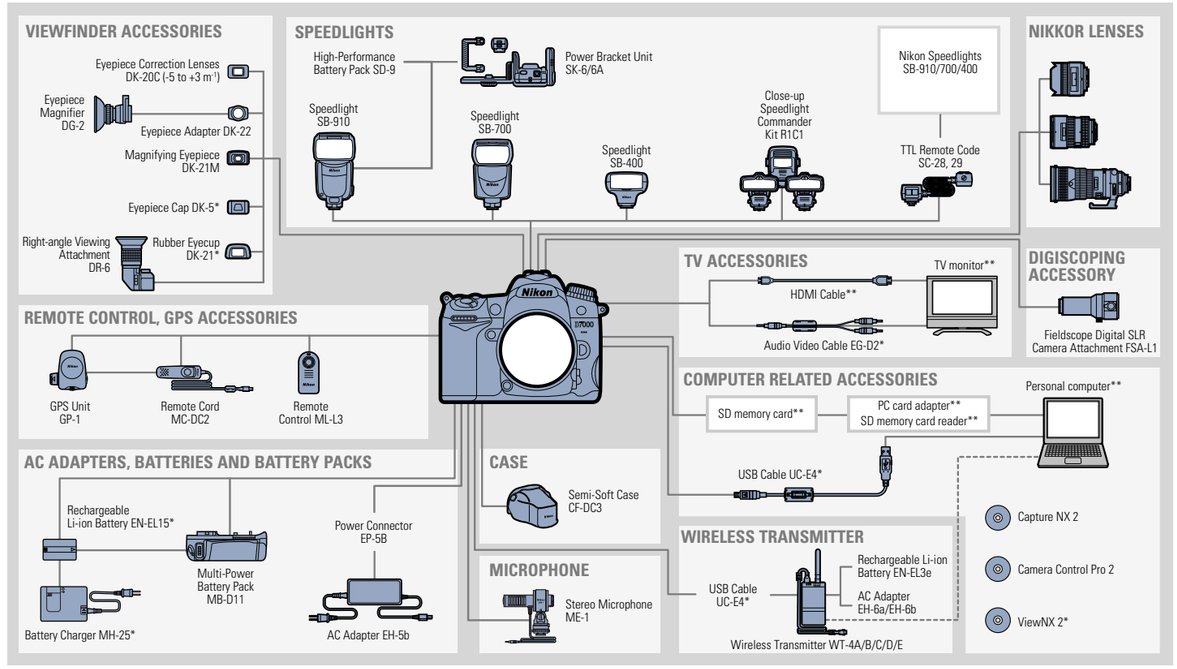
UPOINT® TECHNOLOGY by Nik Software

Capture NX 2 system requirements

	Windows	Macintosh
OS	Pre-installed versions Microsoft Windows 7 Home Basic/Home Premium/Professional/ Enterprise/Ultimate*, Windows Vista Home Basic/ Home Premium/Business/ Enterprise/Ultimate (Service Pack 2)*, Windows XP Professional/Home (Service Pack 3)**	Mac OS X (version 10.4.11, 10.5.8, 10.6.4)
CPU	Pentium 4 or better	Power PC G4/G5; Intel Core series/Xeon series
RAM	768 MB minimum, 1 GB or more recommended	
Hard-disk space	200 MB required for installation	
Monitor resolution	1,024×768 pixels or higher (1,280×1,024 or higher recommended) with 16-bit colour or more (32-bit colour recommended)	1,024×768 pixels or higher (1,280×1,024 or higher recommended) with 64,000 colours or more (16.7 million colours or more recommended)
Others	• CD-ROM drive required for installation • Internet connection required to utilise Nikon Message Center 2 • Environment for recognising operation-guaranteed memory cards required to import/export Custom Picture Controls For details on system requirements and compatible functions, see the instruction manual.	

* 32- and 64-bit versions are supported. However, with 64-bit versions, the software operates as a 32-bit application.
** Only the 32-bit versions of Windows XP are supported.

SYSTEM CHART



*Supplied accessories **Non-Nikon products

Nikon Digital SLR Camera D7000 Specifications

Type of camera	Single-lens reflex digital camera
Lens mount	Nikon F mount (with AF coupling and AF contacts)
Effective angle of view	Approx. 1.5 × lens focal length (Nikon DX format)
Effective pixels	16.2 million
Image sensor	23.6 x 15.6 mm CMOS sensor; total pixels: 16.9 million
Dust-reduction system	Image Sensor Cleaning, Image Dust Off reference data (optional Capture NX 2 software required)
Image size (pixels)	4,928 × 3,264 [L], 3,696 × 2,448 [M], 2,464 × 1,632 [S]
File format	• NEF (RAW): 12 or 14 bit, lossless compressed or compressed • JPEG: JPEG-Baseline compliant with fine (approx. 1:4), normal (approx. 1:8) or basic (approx. 1:16) compression (Size priority); Optimal quality compression available • 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; storage for custom Picture Controls
Storage media	SD (Secure Digital), SDHC and SDXC memory cards
Double slots	Slot 2 can be used for overflow or backup storage or for separate storage of copies created using NEF+JPEG; pictures can be copied between cards
File system	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), PictBridge
Viewfinder	Eye-level pentaprism single-lens reflex viewfinder
Frame coverage	Approx. 100% horizontal and 100% vertical
Magnification	Approx. 0.94 x (50mm f/1.4 lens at infinity, -1.0 m^{-1})
Eyepoint	19.5 mm (-1.0 m^{-1})
Diopter adjustment	-3 to +1 m^{-1}
Focusing screen	Type B BriteView Clear Matte screen Mark II with AF area brackets (framing grid can be displayed)
Reflex mirror	Quick return
Depth-of-field preview	Pressing depth-of-field preview button stops lens aperture down to value selected by user (A and M modes) or by camera (other modes)
Lens aperture	Instant return, electronically controlled
Compatible lenses	• DX AF NIKKOR: All functions supported • Type G or D AF NIKKOR: All functions supported (PC Micro-NIKKOR does not support some functions); IX-NIKKOR lenses not supported • Other AF NIKKOR: All functions supported except 3D colour matrix metering II; lenses for F3AF not supported • AI-P NIKKOR: All functions supported except 3D colour matrix metering II • Non-CPU: Can be used in modes A and M; colour matrix metering and aperture value display supported if user provides lens data (AI lenses only) Electronic rangefinder can be used if maximum aperture is f/5.6 or faster
Shutter type	Electronically-controlled vertical-travel focal-plane shutter
Shutter speed	1/8,000 to 30 s in steps of 1/3 or 1/2 EV, bulb, time (requires optional Remote Control ML-L3), X250
Flash sync speed	X = 1/250 s; synchronises with shutter at 1/320 s or slower (flash range drops at speeds between 1/250 and 1/320 s)
Release mode	S (single frame), CL (continuous low speed), CH (continuous high speed), Q (quiet shutter-release), (self-timer), (remote control), MUP (mirror up)
Frame advance rate	Approx. 1 to 5 fps (CL) or approx. 6 fps (CH) (CIPA guidelines)
Self-timer	2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2, or 3 s
Remote release mode	Delayed remote, quick-response remote, remote mirror-up
Exposure metering	TTL exposure metering using 2,016-pixel RGB sensor
Metering method	• Matrix: 3D colour matrix metering II (type G and D lenses); colour matrix metering II (other CPU lenses); colour matrix metering available with non-CPU lenses if user provides lens data • Center-weighted: Weight of 75% given to 8-mm circle in center of frame; diameter of circle can be changed to 6, 10 or 13 mm, or weighting can be based on average of entire frame (fixed at 8 mm when non-CPU lens is used) • Spot: Meters 3.5-mm circle (about 2.5 % of frame) centered on selected focus point (on center focus point when non-CPU lens is used)
Metering range	• Matrix or center-weighted metering: 0 to 20 EV • Spot metering: 2 to 20 EV (ISO 100, f/1.4 lens, 20°C/68°F)
Exposure meter coupling	Combined CPU and AI
Exposure mode	Auto (auto; auto [flash off]), Scene (Portrait, Landscape, Child, Sports, Close up, Night portrait, Night landscape, Party/indoor, Beach/snow, Sunset, Dusk/dawn, Pet portrait, Candlelight, Blossom, Autumn colours, Food, Silhouette, High key, Low key), programmed auto with flexible program (P), shutter-priority auto (S), aperture-priority auto (A), manual (M), U1 (user settings 1), U2 (user settings 2)
Exposure compensation	-5 to +5 EV in increments of 1/3 or 1/2 EV
Exposure bracketing	2 to 3 frames in steps of 1/3, 1/2, 2/3, 1 or 2 EV
Exposure lock	Luminosity locked at detected value with AE-L/AF-L button
ISO sensitivity	ISO 100 to 6400 in steps of 1/3 or 1/2 EV; can also be set to approx. 0.3, 0.5, 0.7, 1 or 2 EV (ISO 25600 equivalent) above ISO 6400; auto ISO sensitivity control available (Recommended Exposure Index)
Active D-Lighting	Can be selected from Auto, Extra high, High, Normal, Low or Off
ADL bracketing	2 frames using selected value for one frame or 3 frames using preset values for all frames
Autofocus	Nikon Multi-CAM 4800DX autofocus sensor module with TTL phase detection, fine-tuning, 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	• 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 mode	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) or by pressing AE-L/AF-L button

Built-in flash	• , , , , , , : Auto flash with auto pop-up • P, S, A, M, : Manual pop-up with button release
Guide Number	Approx. 12/39 , 12/39 with manual flash (m/ft., ISO 100, 20 °C/68 °F)
Flash control	• TTL: i-TTL balanced fill-flash and standard i-TTL flash for digital SLR using 2,016-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-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, off; fill-flash and red-eye reduction available with optional flash units • : Auto slow sync, auto slow sync with red-eye reduction, off; slow sync and slow sync with red-eye reduction available with optional flash units • , , , , , , , , , , , , , : Fill-flash and red-eye reduction available with optional flash units • : Fill-flash • P, A: Fill-flash, slow sync, red-eye reduction, slow sync with red-eye reduction, rear-curtain with slow sync • S, M: Fill-flash, red-eye reduction, rear-curtain sync
Flash compensation	-3 to +1 EV in increments of 1/3 or 1/2 EV
Flash bracketing	2 to 3 frames in steps of 1/3, 1/2, 2/3, 1 or 2 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 built-in flash, SB-910, SB-900, SB-800, SB-700 or SU-800 as commander and SB-910, SB-900, SB-800, SB-700, SB-600 or SB-R200 as remotes; Auto FP high-speed sync and modeling illumination supported with all CLS-compatible flash units except SB-400; Flash Color Information Communication and FV lock supported with all CLS-compatible flash units
Sync terminal	Sync Terminal Adapter AS-15 (available separately)
White balance	Auto (2 types), Incandescent, Fluorescent (7 types), Direct Sunlight, Flash, Cloudy, Shade, preset manual (up to 5 values can be stored), choose colour temperature (2,500 K to 10,000 K), all with fine tuning; white balance bracketing: 2 to 3 frames in steps of 1, 2 or 3
Live View lens servo	• Autofocus (AF): Single-servo AF (AF-S); full-time-servo AF (AF-F) • Manual focus (M)
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)
Movie metering	TTL exposure metering using main image sensor
Metering method	Matrix
Frame size (pixels) and frame rate	[NTSC] • 1,920 × 1,080 (24p); 24 (23.976) fps • 1,280 × 720 (30p); 30 (29.97) fps • 1,280 × 720 (24p); 24 (23.976) fps • 640 × 424 (30p); 30 (29.97) fps [PAL] • 1,920 × 1,080 (24p); 24 (23.976) fps • 1,280 × 720 (25p); 25 fps • 1,280 × 720 (24p); 24 (23.976) fps • 640 × 424 (25p); 25 fps Choice of normal and high quality available
Maximum length	Approx. 20 minutes
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
Monitor	7.5-cm (3-in.), approx. 921k-dot (VGA), low-temperature polysilicon TFT LCD with 170° viewing angle, approx. 100% frame coverage, and brightness adjustment
Playback	Full-frame and thumbnail (4, 9 or 72 images or calendar) playback with playback zoom, movie playback, slide show, highlights, histogram display, auto image rotation and image comment (up to 36 characters)
USB	Hi-Speed USB
Video output	NTSC, PAL; images can be displayed on external device while camera monitor is on
HDMI output	Type C mini-pin HDMI connector; camera monitor turns off when HDMI cable is connected
Accessory terminal	Remote Cord MC-DC2 (available separately), GPS Unit GP-1 (available separately)
Audio input	Stereo mini-pin jack (3.5-mm diameter)
Supported languages	Arabic, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish
Battery	One Rechargeable Li-ion Battery EN-EL15
Battery pack	Optional Multi-Power Battery Pack MB-D11 with one Rechargeable Li-ion Battery EN-EL15 or six R6/AA size alkaline, NiMH or lithium batteries
AC adapter	AC Adapter EH-5b; requires Power Connector EP-5B (available separately)
Tripod socket	1/4 in. (ISO 1222)
Dimensions (W x H x D)	Approx. 132 × 105 × 77 mm (5.2 × 4.1 × 3.0 in.)
Weight	Approx. 780 g (1 lb. 11.5 oz.) with battery and memory card but without body cap; approx. 690 g (1 lb. 8.3 oz.) camera body only
Operating environment	Temperature: 0–40 °C/32–104 °F; humidity: less than 85% (no condensation)
Supplied accessories (may differ by country or area)	Rechargeable Li-ion Battery EN-EL15, Battery Charger MH-25, Eyepiece Cap DK-5, Rubber Eyecup DK-21, USB Cable UC-E4, Audio Video Cable EG-D2, Camera Strap AN-DC1, LCD Monitor Cover BM-11, Body Cap BF-1B, Accessory Shoe Cover BS-1, ViewNX 2 CD-ROM

Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. September 2012

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

Visit the Nikon Europe website at: **www.europe-nikon.com**

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