



At the heart of the image



www.chiacolorlab.com

เชียวสีเคอร์เลป 074-246808



I AM LIFE IN EVERY FRAME



D810

www.nikon-asia.com

Incomparable image quality and practical versatility

Bring the imaging power of a massive 36.3 effective megapixels to a diverse range of scenes. With the D810, Nikon sets a new standard for D-SLR image quality, in stills as well as videos. Its all-new FX-format image sensor and EXPEED 4 image-processing engine work together to produce images with a clearness that surpasses even the D800E, with stunningly wide dynamic range and expertly controlled noise. Brilliantly precise autofocus and significantly reduced internal vibration make it easier to capture pinpoint-sharp images at maximum resolution, while a faster burst rate of approx. 5 fps in FX format makes high-megapixel shooting possible in a broader range of situations. Multimedia users, meanwhile, can enjoy precisely rendered movies in 1080/60p, with significantly reduced moiré and noise. In light and darkness, stills and videos, this is the camera that will let you create your next masterpiece.

D810



Discover ultimate image quality at base ISO 64



• Lens: AF-S NIKKOR 35mm f/1.4G
• Exposure: [M] mode, 1/125 second, f/4
• White balance: Direct sunlight • Sensitivity: ISO 64
• Picture Control: Flat (applied in post production)
©Miss Aniela
Photo retouched using third-party software



• Lens: AF Fisheye-Nikkor 16mm f/2.8D • Exposure: [M] mode, 1/250 second, f/9 • White balance: Direct sunlight • Sensitivity: ISO 64 • Picture Control: Standard ©Junji Takasago
Optional third-party underwater housing used for shooting

The power to capture scenes like never before

The secret to superior imaging

Specifications only tell you so much. Harnessing a massive 36.3 effective megapixels, the D810 delivers images with the highest definition among the Nikon D-SLR family. But that's just one part of the story. Its spectacular imaging is the result of a seamless integration of exclusive Nikon technologies that work in harmony to produce images with unprecedented sharpness, sumptuous tonality and reduced noise across all sensitivities.



NIKKOR lenses with superior optical performance
New FX-format CMOS sensor without optical low-pass filter delivering 36.3 effective megapixels
Powerful EXPEED 4 image-processing engine and Picture Control system for enhanced image quality
New Capture NX-D software

All-new image sensor delivers the sharpest, richest images from base ISO 64

Take your photography into entirely new territory. The D810 has an image sensor that's been completely redesigned to fully exploit all the light it receives. By gathering more light information, the camera's image sensor boasts a superior low-sensitivity capability, making this the first Nikon digital SLR ever to offer a base sensitivity at ISO 64 — all without sacrificing any of its expansive dynamic range. But that's not all. Designed without an optical low-pass filter, the D810's image sensor works in combination with the latest EXPEED 4 image-processing engine to deliver amazingly sharp stills that surpass even the acclaimed D800E. The result: images that are unlike anything you've seen from a D-SLR before.

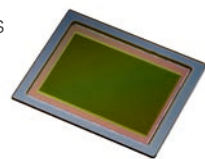


Image sensor designed without an optical low-pass filter for maximum resolution

EXPEED 4 image-processing engine handles massive image data at high speed

The rich image data delivered by the D810's image sensor needs a highly advanced processor to handle it. The camera employs EXPEED 4, the same image-processing engine used in the flagship D4S, enabling it to execute sophisticated operations at an approx. 30% faster rate than its predecessor. This enhanced power allows it to achieve images with a higher definition than the D800/D800E and process 1080/60p movies. It also contributes to a faster continuous shooting speed of approx. 5 fps in FX format, and up to approx. 7 fps* in DX format. EXPEED 4's sophisticated new algorithms also cut noise across the entire sensitivity range, bringing remarkable clarity and enhanced gradation with a tangible sense of depth.

* When using EH-5b AC Adapter or MB-D12 Multi-Power Battery Pack with batteries other than EN-EL15.



The EXPEED 4 image-processing engine
Logomarks not actually imprinted

Expanded sensitivity range of ISO 64 to 12800 without sacrificing dynamic range

Thanks to the improved light reception capabilities of its new image sensor and the EXPEED 4's sophisticated image processing, the D810 boasts an expanded standard sensitivity range of ISO 64 to 12800, which can be extended to Lo 1 and Hi 2 (equivalent to ISO 32 and 51200). Noise is carefully controlled across all ISO sensitivities, and at higher ISO range the effects are particularly pronounced. Fine details are captured with a greater sense of dimensionality, all the way up to ISO 12800.

New Picture Control system for more flexible image-tuning



PICTURE CONTROL

Even when you've chosen the camera settings for a shot, there are other important parameters that determine how it will look and feel. Nikon's new Picture Control system gives you more detailed and flexible control over all of these, making it easier to explore the full range of the D810's formidable imaging potential. From sharpening and contrast to saturation and hue, you can now tailor images in finer increments of 0.25*, while brightness can be adjusted in a wider ± 1.5 range. A dedicated button on the camera body takes you straight to the Picture Control menu, where you can select the most appropriate Picture Control to match your creative intention, including Standard, Landscape and the new Flat.

* Excluding quick adjust.



Finer parameter control in 0.25 steps



Clarity +2

©Hisao Asano

Clarity adjustment for controlling crispness

The existing sharpening and contrast in Picture Control are now complemented by a new clarity setting, which emphasizes or reduces the crispness of images by adjusting local contrast. Applying enhanced clarity to the D810's high-resolution images can bring greater depth and drama to landscape shots, and lend extra punch to portraits. Or it can be used to achieve the opposite effect, rendering a softer, more impressionistic look.



Clarity -4



Clarity 0



Clarity +4

Tailor Picture Controls with a dedicated application: Picture Control Utility 2

It's simple and intuitive to customize Picture Control using this standalone application. Picture Control Utility 2 lets you fine-tune various items, including the new clarity setting, and adjust the tone curve while checking its effects. Adjusted settings can be saved as a custom Picture Control and imported to the camera via CF or SD card, then selected during shooting. The application can be used on its own, or launched via Capture NX-D or ViewNX 2.



The D810's accurate AF brings pin sharpness to an image exactly where it is intended.
• Lens: AF-S NIKKOR 200mm f/2G ED VR II • Exposure: [M] mode, 1/125 second, f/2.8 • White balance: Cool-white fluorescent • Sensitivity: ISO 80 • Picture Control: Portrait ©Miss Aniela

Precision to push the limits of high-megapixel photography

Radically improved AF system fine-tuned for high-definition images

Extremely high-megapixel photos require tack-sharp focusing on your intended subject. The D810 achieves an unprecedented level of focus control, especially for portraits and still subjects, allowing it to maximize the high definition of its stunning 36.2-megapixel* images. Improved focusing algorithms and the Advanced Multi-CAM 3500FX autofocus sensor module, with 51 focus points, empower photographers to achieve exact focus with rigorous precision.



The Advanced Multi-CAM 3500FX autofocus sensor module

* FX (36 × 24) image area, 7360 × 4912 recording pixels (L).

Electronic front-curtain shutter function achieves minimum vibration

Minimizing vibrations becomes even more important if you're taking landscape shots with a telephoto lens, when the greater magnification makes it harder to eliminate camera shake, even if the utmost care is taken. The D810 addresses this concern with its electronic front-curtain

shutter function. Once enabled*, this new option makes the camera's image sensor perform the role of mechanical front shutter curtain, thereby effectively reducing the internal vibrations that can be produced by colliding mechanical components.

* Selectable only in Mup mode. The fastest shutter speed is limited to 1/2000 second.

Minimized mechanical vibration delivers stunning sharpness in every detail

Mechanical vibrations caused by a camera's mirror and shutter movements, however tiny, can have a significant impact on images taken with high-megapixel cameras. That's why the D810's mirror and shutter release sequence and its mechanisms have been redesigned from the ground up. The newly developed mirror balancer limits mirror shock, while the motor-governed mirror and shutter unit can operate at low revs in Q and QC modes to realize low-vibration and low-noise shutter operation. Together, these improvements help minimize camera shake in order to achieve maximum sharpness in images.



Sophisticated technologies for faithful reproduction

New highlight-weighted metering mode preserves details in highlights

When capturing a ballet performer wearing a white costume, brightly lit by a spotlight on a darkened stage, even experienced photographers may struggle to avoid overblown highlights with conventional spot metering. The new highlight-weighted metering mode automatically determines exposure avoiding overblown highlights by giving priority to the brighter portions of a scene.

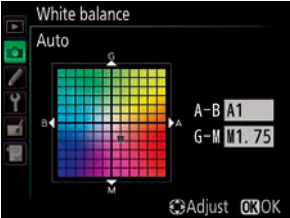
Advanced Scene Recognition System with detailed 91K-pixel RGB sensor for sophisticated auto control

The D810 employs Nikon's revolutionary Advanced Scene Recognition System, the same as the flagship D4S. The camera's 91K-pixel RGB sensor recognizes your scene's colors and brightness with unprecedented precision, then uses that information to implement various automatic controls, such as autofocus, auto exposure, auto white balance and i-TTL flash exposure. It also utilizes face-detection information from the image sensor for magnified

playback of human faces, as well as auto exposure and autofocus control of live view shooting, including video.

Enhanced auto white balance achieves more accurate, natural-looking results

The EXPEED 4 image-processing engine uses a new algorithm for auto white balance that performs rigorously minute image analysis to detect whites in the scene more precisely. Each white balance option, including auto, can also be calibrated in even finer steps than before to achieve your desired look. In addition, the camera's spot white balance feature allows you to calculate on-the-spot preset manual white balance via live view, using a tiny white or gray area in your frame. This makes the process of acquiring preset white balance easy in situations where a gray card isn't available — another practical convenience that professionals will appreciate.



Securely confirm the shot via the crisp LCD image

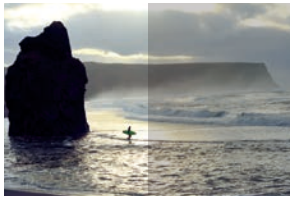
Zoom preview for precise focus monitoring

When you need to obtain incredibly precise focusing quickly, the D810's live view monitor is invaluable. The camera's image-sensor readout method has been changed to make it easier to find the focus peak even when zoomed in, allowing you to check that you've achieved pinpoint focus. Playback images can be magnified up to approx. 46x (Large-size images in FX format), for quick and precise focus confirmation.



The brighter, crisper TFT LCD monitor with RGBW array

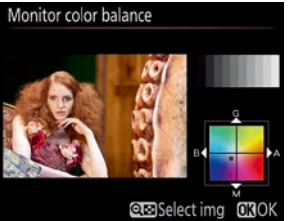
The D810's approx. 1229k-dot, 3.2-in./8-cm LCD monitor uses an RGBW alignment for increased brightness. By combining this with an integrated glass-and-panel structure, it offers significantly enhanced visibility in bright daylight and a wide color reproduction range. The monitor also employs scratch- and shock-resistant reinforced glass on the surface.



RGBW array RGB array

Color customization of LCD monitor

Careful preparation leads to better results. The D810's LCD has been meticulously calibrated to display correct colors. In addition, you can adjust the color balance of the LCD monitor to your preference.



Split-screen display zoom for accurate leveling

When you need to achieve perfect leveling of your subject — a vital consideration in architectural photography — the D810's split-screen display zoom function is invaluable. During live view, two points on the same horizontal line are enlarged on a split screen, and can be magnified simultaneously at the same ratio. By adjusting the camera's leveling while monitoring these magnified portions on the screen, you can confirm that they are perfectly level in your composition before shooting. This function can be accessed using the **i** button.



Capture smooth action in 1080/60p with superior definition





Enhanced movie capabilities for photographers

Sumptuous Full HD movies with enhanced definition at up to 60p

Surpassing the video quality of the D800, the D810 achieves truly incredible image quality by employing an entirely new method of video signal processing, realizing effectively reduced moiré and false color while attaining enhanced definition. Movies are efficiently recorded using IPB compression and the H.264 codec to ensure high image quality while retaining a compact file size. And with the ability to record Full HD (1920 × 1080) at 60p (59.94 fps), you can capture fast-moving action then play it back at a slower 24p frame rate for smooth, fluid 2.5x slow motion. Movies can be recorded up to a maximum of 20 minutes* in 1080/60p.

* 10 minutes when image quality is set to high.

NIKKOR lens system: the filmmaker's choice

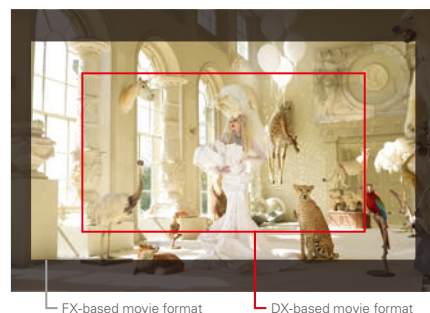
The superior optical quality of NIKKOR lenses has made them a favorite among professional filmmakers. Many are specifically designed to bring out the full potential of high-megapixel D-SLR cameras. But the artistic choices don't stop there. As the Nikon F mount has been in constant use

since the legendary Nikon F in 1959, the D810 is compatible with literally hundreds of legacy lenses, each with distinctive characteristics that add an even greater variety to your moviemaking.

Choice of FX- and DX-based movie formats draws two perspectives from a single lens

With the D810, you don't have to change lenses or move the camera frequently when you want to alter your angle of view: you can simply switch between FX- and DX-based movie formats*. This feature, unique to Nikon, can be helpful when shooting live performances or interviews, letting you add an alternate angle without changing the lens.

* The aspect ratio of movies is 16:9 whichever format is selected. In the FX-based movie format, the width of the image area is approx. 91% of that in the still image FX format.



— FX-based movie format — DX-based movie format

Creative options for producing striking time-lapse movies

The D810 offers two methods for making awe-inspiring time-lapse movies with smooth exposure transitions. Using the time-lapse photography function, you can create entire sequences right in the camera — an exclusive Nikon benefit. With interval-timer shooting mode, meanwhile, you can render sequences of full-size still images over a longer period* to produce a time-lapse movie of nearly 8K resolution. Thanks to the huge image size, it's possible to add camera movements in the video while editing the pictures into Full HD, for an even more dramatic movie.

* Up to 9999 exposures possible.

Stable and predictable exposure reading with center- and highlight-weighted metering modes

Stable exposure in video shooting is paramount for producing visually pleasing footage with smooth exposure transitions. The D810 adds two new exposure metering modes in movie recording. Optimized for movies, center-weighted metering offers more stable exposure readings that aren't prone to sudden brightness changes for subjects in the center area of the frame. Meanwhile, highlight-weighted metering lets you shoot subjects under stage spotlights while avoiding overblown highlights.

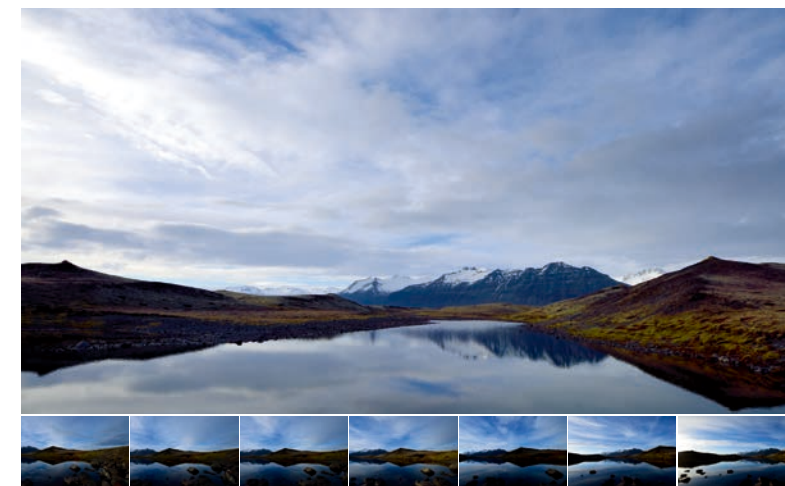
Zoom in to achieve precise focus in movie live view

Focus checking in movie live view is even easier using the D810's zoom image preview on the LCD monitor, thanks to a new image-sensor readout method that enables you to see focus peaks more clearly. Meanwhile, the smaller focus area size in normal-area AF allows for more precise focusing on small subjects or specific parts of the scene while you set up a shot.

Extended options for movie professionals

Uncompressed video recording via HDMI

For the purest video quality, the D810 allows direct output of uncompressed files to an external recorder via HDMI in 8-bit 4:2:2 formats. Professionals needing to back up data securely can also record video to the in-camera memory card (H.264/MPEG-4 AVC) simultaneously. Using the included HDMI cable clip, you can prevent the HDMI cable from becoming accidentally detached, leading to more stable operation during shooting.



©Lucas Gilman

Auto ISO sensitivity control adds flexibility to full-manual movie shooting

Maintaining a specific depth of field while keeping the same shutter speed can be vitally important to achieving your desired look during moviemaking. The D810 now offers the ability to let the camera control the ISO sensitivity automatically, in order to maintain proper exposure. This setting gives you greater leeway when you want to shoot across a variety of lighting situations in the course of a single sequence. There is also an option to set a maximum ISO sensitivity (ISO 200 to Hi 2), to prevent it from running too high.

Power aperture control now available during in-camera movie recording

When there are significant changes in brightness during a shot, such as when panning a camera from a dark room to a bright exterior outside a window, the D810's power aperture option lets you alter the aperture smoothly and quietly, without rotating the command dial. This useful feature is now possible even when recording to an internal memory card, as well as in movie live view.

Highlight display helps avoid overblown highlights

The D810's highlight indicator lets you check for overblown highlights in the frame with the aid of "zebra" patterns that are displayed on the LCD monitor and/or an HDMI-connected monitor. These patterns can be turned off in the HDMI output while remaining active on the live view monitor, allowing clean, uncompressed recording to an external recorder.



Freeze that exact moment up tight at 7 fps*

* In DX format, when used together with batteries or a power supply other than EN-EL15.



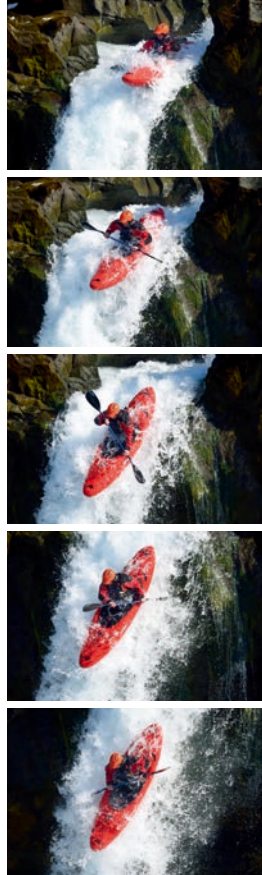
- Lens: AF-S NIKKOR 70-200mm f/2.8G ED VR II
- Exposure: [A] mode, 1/8000 second, f/5.6
- White balance: Direct sunlight
- Sensitivity: ISO 800
- Picture Control: Vivid

©Lucas Gilman



Massive file sizes are no barrier to capturing fast-moving subjects, thanks to approx. 5 fps bursts in FX format.

• Lens: AF-S NIKKOR 800mm f/5.6E FL ED VR • Exposure: [M] mode, 1/2000 second, f/5.6 • White balance: Auto 1 • Sensitivity: ISO 400 • Picture Control: Standard



©Lucas Gilman

Unparalleled image quality at unmatched speeds

Faster continuous shooting at approx. 5 fps, expandable to up to approx. 7 fps*

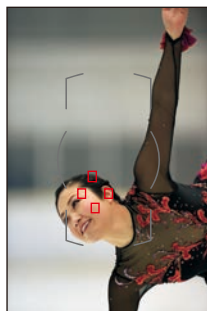
The D810 brings a new level of adaptability to capturing moving targets in high-resolution photography. Even with a massive megapixel count in full frame, it's able to capture scenes at a faster continuous shooting speed of approx. 5 fps in FX format. When more speed is needed, this can be extended to approx. 6 fps in 1.2x crop mode, and even further up to approx. 7 fps* in DX format. With the ability to capture both static subjects and moments of action, the D810 has the potential to expand your photography further.

* When using EH-5b AC Adapter or MB-D12 Multi-Power Battery Pack with batteries other than EN-EL15.

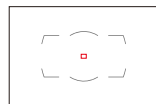


New group-area AF offers enhanced subject detection and tracking

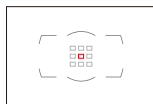
Capturing unpredictable subjects feels like second nature with the D810. In addition to the four time-tested AF modes (single-point AF, dynamic-area AF, 3D-tracking, and auto-area AF), the camera now also offers group-area AF, a new mode first introduced with the flagship D4S. In contrast to dynamic-area AF, which uses one focus point for initial subject detection, group-area AF employs five focus points all at once, enabling it to detect subjects more securely and without focus shifting to the background. This can be useful when targeting small, distant and fast-moving subjects, allowing you to achieve quicker acquisition and more secure capturing than before.



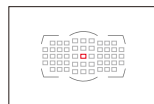
Group-area AF mode



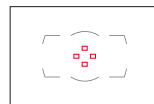
Single-point AF mode



Dynamic-area AF mode (9 points)



Dynamic-area AF mode (51 points)



Group-area AF mode

Powerful AF system for secure capturing with a wide range of telephoto lenses with teleconverters

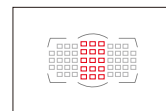
The D810's 51 focus points include 15 cross-type sensors in the center area, which are responsive to f/5.6 and deliver full performance with all AF-NIKKOR lenses. In addition, the center nine points, as well as three points to the left and right of these nine, are compatible with apertures slower than f/5.6 and faster than f/8*¹. The result: stress-free focusing when using 1.4x or 1.7x teleconverters. Moreover, 11 focus points are even compatible with f/8*², thereby giving you significant AF power when combining a 2.0x teleconverter with super-telephoto NIKKOR lenses.

*¹ The nine focus points in the center area work as cross-type sensors, while the other six points work as line sensors.

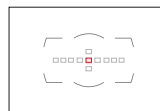
*² The center focus point works as a cross-type sensor, while the other ten points work as line sensors.



Compatible with aperture slower than f/5.6 and faster than f/8



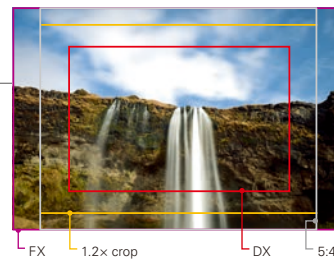
Compatible with f/5.6



Compatible with f/8

Shoot with multiple formats in one camera

The D810 offers four image area options: FX format (35.9 × 24.0 mm), 5:4 (30.0 × 24.0 mm), 1.2x (30.0 × 19.9 mm), and DX format (23.4 × 15.6 mm) with all cropped image areas visually masked in the viewfinder. DX format offers approx. 1.5x, and 1.2x crop offers approx. 1.2x telephoto effect. When a DX NIKKOR lens is used, DX format is automatically selected.



RAW size S balances compact file size and rich tonality

When you want to keep shooting in RAW with a view to creative enhancement in post-processing, but also need to develop files quickly, the D810 offers another alternative to JPEG. The new RAW size S* (12 bit, uncompressed) has a quarter of the resolution and half the size of uncompressed RAW size L, maintaining the sharpness and noise level equivalent to JPEG size S, yet exhibiting the richness and malleability of RAW format.

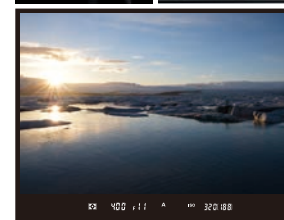
* Retouch menu options cannot be applied.

First-rate fundamentals, real reliability

Brighter glass-prism optical viewfinder with 100% frame coverage and clearer OEL information display

See everything clearly and precisely. The D810's optical viewfinder offers approx. 100% frame coverage and 0.7x magnification* in FX format. With improved coating on its glass pentaprism, the viewfinder now produces a brighter image with even more accurate color. A new organic EL viewfinder display element is employed for bright, high-contrast information display, and low power consumption. You can also expect exceptional visibility outdoors, even with harsh backlighting.

* 50mm f/1.4 lens at infinity, -1.0 m⁻¹.



Organic EL display element employed

Fast response time for fleeting moments

The D810 is designed to respond immediately whenever you need it. Once switched on, the D810 starts up in approx. 0.12 second* and release time lag is approx. 0.052 second* — ensuring that you don't miss a good photo opportunity.

* Based on CIPA Guidelines.

High-speed CF and SD dual card slots

Card recording speed is yet another crucial element of a smooth and productive shooting experience. The D810's CF memory card slot is compatible with the latest UDMA 7, and its SD card slot is compatible with SDXC (Secure Digital eXtended Capacity) and UHS-I. You can also use two cards simultaneously for a number of functions, such as recording JPEG and RAW data on separate cards, recording the same data simultaneously on two cards for backup and more.

Sturdy body using magnesium, built for the elements

The D810 is built for durability using magnesium alloy. The sturdy camera body protects the sophisticated technologies against accidental shock. It also boasts extensive weather- and dust-sealing applied to its joint parts and seams, allowing you to shoot with confidence even in harsh weather conditions.



NIKKOR

Ultimate optical performance for 36.3 megapixels

When drawing out the full potential that a 36.3-megapixel camera can offer, lens performance is of vital importance. With their exceptionally high resolving power, NIKKOR lenses are a perfect partner for the D810, allowing photographers in every field to better capture the essence of their vision, and render every delicate tone or nuance. The NIKKOR lens lineup is fully optimized to deliver the image quality the D810 truly deserves.

85
million
NIKKOR



©Hisao Asano



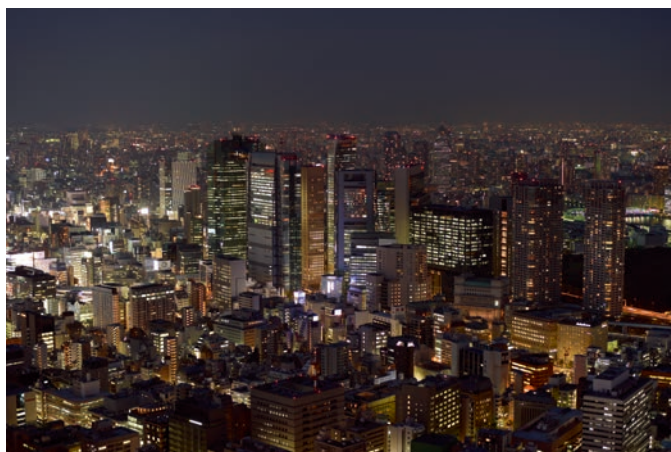
©Lucas Gilman

AF-S NIKKOR 14-24mm f/2.8G ED



Wide-angle zoom with fixed f/2.8 aperture for superior depiction

With a fixed maximum aperture of f/2.8, this professional lens realizes edge-to-edge sharpness across the frame. Its Nano Crystal Coat minimizes ghost and flare even in backlit conditions, while ED glass reduces chromatic aberration to ensure outstanding contrast. Tough and reliable, this is essential glass for professional photographers everywhere.



Licensed by TOKYO TOWER

©Shinichi Sato



©Miss Aniela

AF-S NIKKOR 58mm f/1.4G



Natural blur and sharp point light reproduction combined in a standard prime

This prime lens achieves impressive scene description with high resolution and smooth, beautiful bokeh. Despite the fast aperture, sharp, high-contrast images of distant subjects can be captured. Point light sources located at infinity can be finely reproduced as point images even with the aperture set at the maximum. In addition, elaborately designed bokeh characteristics depict subjects attractively, resulting in images with natural depth.



©Lucas Gilman



©Lucas Gilman

AF-S NIKKOR 70-200mm f/2.8G ED VR II



The essential telephoto zoom lens for pros

The most reliable and essential f/2.8 fixed aperture telephoto zoom lens is optimized for FX-format cameras, and the resulting images deliver stunning detail and contrast across the entire frame when taken at any focus point or aperture. What's more, it comes equipped with Vibration Reduction (VR) with an effect equivalent to 3.5 stops* and Nano Crystal Coat, broadening your shooting potential and giving you added confidence when shooting in difficult situations.

* Based on CIPA Standard.



©Lucas Gilman



©Lucas Gilman

AF-S NIKKOR 800mm f/5.6E FL ED VR



Super-telephoto lens with the innovative touch that dedicated photographers want

With the longest focal length of all NIKKOR lenses, this is what wildlife and landscape photographers have been waiting for. Employing fluorite, ED glass and Nano Crystal Coat, this lens delivers outstandingly clear images with minimized chromatic aberration, ghosting and flare. Super-telephoto shooting is also reliably supported by Vibration Reduction (VR), offering an effect equivalent to a shutter speed 4.5 stops* faster (4.0 stops* with the AF-S TELECONVERTER TC800-1.25E ED).

* Based on CIPA Standard.

New Capture NX-D software draws the most out of RAW files

Although the D810 produces superb JPEG images, pictures saved in RAW retain a wealth of extra information that can be brought out during editing. And Nikon's new Capture NX-D software is the best tool for unlocking the full potential of RAW (NEF) data. Available free, it offers a selection of key editing functions for RAW files, including white balance adjustment, lens aberration correction and unsharp masking. The simple interface lets you see the effects of each change in a comparison view, as well as stack your preferred control panels for maximum usability, and it's designed to integrate smoothly with Picture Control Utility 2 and Camera Control Pro 2 (optional).



Capture NX-D



Hidden in a book, the SB-910 is controlled wirelessly using the D810's built-in flash to bounce light off the pages and illuminate the model.
• Lens: AF-S NIKKOR 24mm f/1.4G ED • Exposure: [M] mode, 1/80 second, f/6.3 • White balance: Flash • Sensitivity: ISO 100 • Picture Control: Portrait ©Miss Aniela

Get studio quality lighting virtually everywhere

Built-in flash for more balanced results and Creative Lighting System

The D810 features a built-in flash with a guide number of 12/39 (m/ft, ISO100, 20°C/68°F) and a commander function. Using its 91K-pixel RGB sensor for face detection and highlight analysis, it precisely illuminates faces in relation to the surrounding brightness, making it possible to achieve excellent results even when shooting with the camera alone. Meanwhile, the Nikon Creative Lighting System offers unrivaled reliability and flexibility. Using the built-in flash's commander function to fire optional Nikon Speedlights*, lighting is as powerful and comprehensive as you want it to be via Advanced Wireless Lighting.

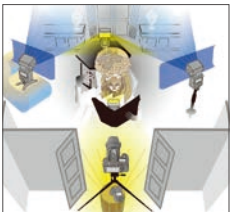
* SB-910, SB-700 or SB-R200 Speedlights.

Note: Range of AF-assist illuminator may be shorter than expected depending on shooting situation.



Unparalleled lighting performance — SB-910 Speedlight (optional)

When in need of a versatile i-TTL for on-camera or wireless flash control, Nikon's SB-910 offers refined operability and a powerful guide number of 34/111.5 (m/ft, ISO 100, STD, FX format with zoom head set at 35 mm, 20°C/68°F). Improved menus and controls provide more operational ease, and when a hard-type incandescent or fluorescent color filter is attached, the SB-910 detects it to enable instant white balance adjustment by the camera.



Five SB-910 Speedlights are triggered wirelessly, using the built-in flash's commander function.



Accessories to expand versatility

WR-1 Wireless Remote Controller (optional) offers a variety of remote operating functions

Eagerly awaited by professional photographers, the WR-1 advanced multifunctional remote controller provides a wealth of new shooting opportunities. With a WR-1 or WR-R10*1, 2 (receiver) attached to the D810, you can view or change the camera's settings*3 using another WR-1's display (transmitter) and release the shutter remotely. Moreover, you can release the shutters of several cameras simultaneously with a WR-1 alone, or by synchronizing them to a master camera with a WR-1 attached. Groups of cameras can be controlled separately*4, and you can also use the WR-1 for movie shooting and interval timer photography. Utilizing radio waves, the communication range between WR-1 units reaches up to 120 m/394 ft*5, with 15 channels available. The WR-R10/WR-T10 can also be used in conjunction with the WR-1 for remote shooting.

*1 WR-R10 firmware needs to be upgraded from version 1.00 to 2.00 before use. *2 WR-A10 Adapter required to connect to the D810, which uses a ten-pin terminal. *3 Functions limited. *4 Grouping function cannot be used when WR-R10 units are used as receivers. *5 At approx. height of 1.2 m/3.9 ft; may be shorter depending on presence of obstacles and weather conditions.



UT-1 Communication Unit (optional) enables secure wired data transfer

The UT-1 Communication Unit can be mounted on the D810's accessory shoe. It enables the high-speed transfer of image data from the camera to a PC or FTP server, as well as remote control of the camera from a PC*1 via wired LAN. Wireless LAN use is also possible*2 when the unit is combined with the WT-5A/B/C/D Wireless Transmitter (optional).

*1 Requires Camera Control Pro 2.
*2 Based on IEEE 802.11a/b/g/n.



WR-R10/WR-T10 Wireless Remote Controllers (optional) with hands-on remote capabilities

Using the WR-T10 as a transmitter, you can control multiple cameras attached with WR-R10 receivers*. Utilizing radio waves, these remote controllers enable remote shooting even when obstacles such as trees stand in the way. The maximum communication distance between a WR-R10 and WR-T10 is 20 m/66 ft. These controllers also enable you to operate AF by half-pressing the shutter-release button. To use continuous shooting, keep the shutter-release button pressed. You can also operate movie recording just as easily.

* WR-A10 Adapter required to connect to the D810, which uses a ten-pin terminal.



Versatile remote camera controls: Camera Control Pro 2 (optional)

For those who want to operate their camera via computer, Camera Control Pro 2 lets you control camera settings and various features from a distance. Aside from controlling exposure mode, shutter speed, and aperture, the software offers numerous functions to ensure exceptionally smooth live view operation. Creative control opportunities include remote start and stop for movie shooting and switching between live view for stills and movies. You can also adjust the monitor hue of live view photography and the resulting image's white balance individually, which can be quite helpful when working in the studio. You can also display audio level indicators during movie shooting. And with the optional WT-5A/B/C/D Wireless Transmitter*, image files can be transferred using either Wi-Fi or an Ethernet connection.

* The UT-1 Communication Unit is required to connect it to the D810.

Unlimited continuous shooting for creating virtually seamless light-trail photography

The D810's continuous shooting capability can be used to produce spectacular light-trail photography of star trails. Using a continuous release mode (CH or CL) and a shutter speed set between 4 and 30 seconds, you can now keep shooting for as long as your media cards and battery life allow. With shorter-duration gaps between each exposure than when using the interval timer, you can then create a composite picture using third-party software that joins your shots almost seamlessly, to beautiful effect.



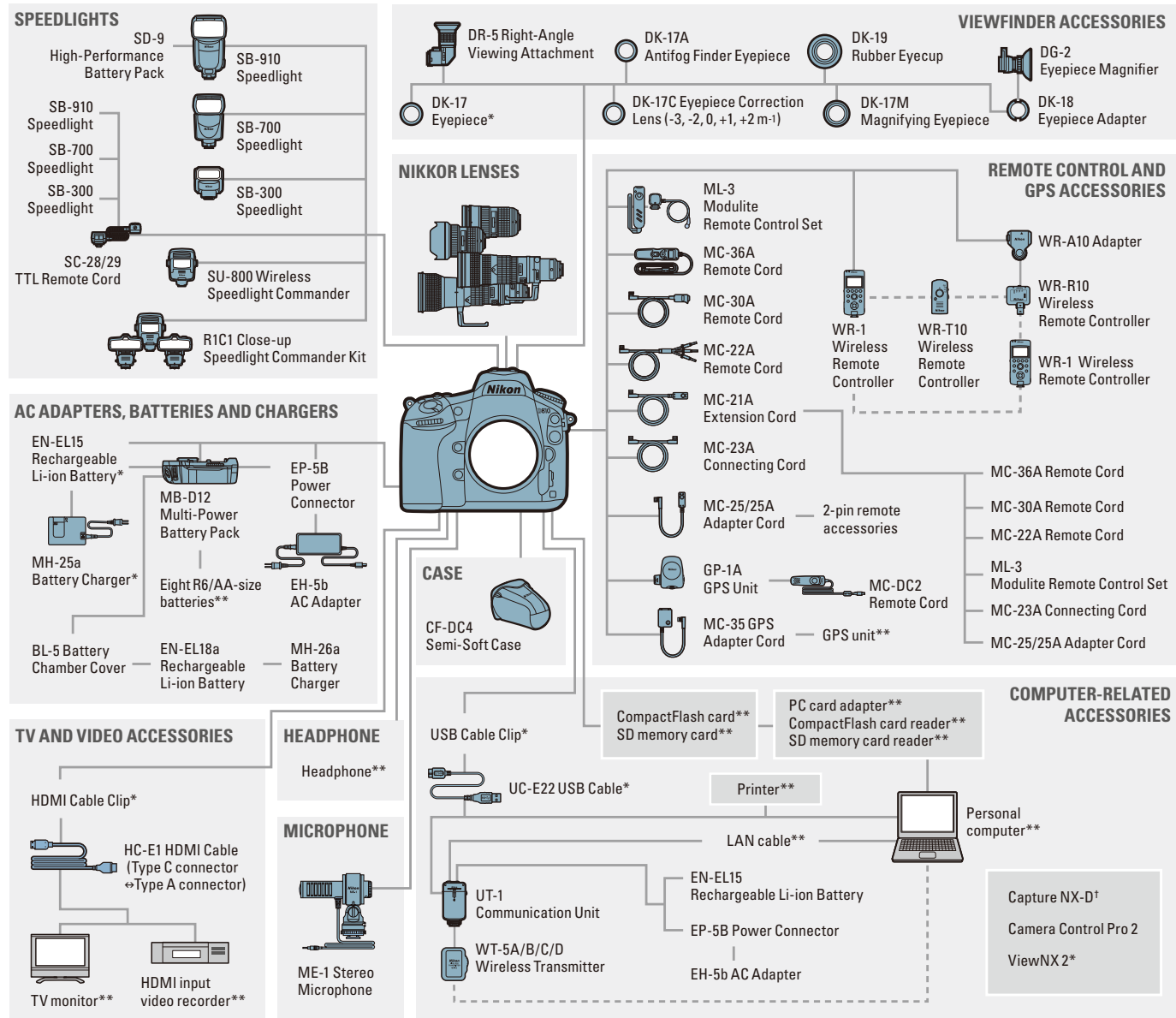
A stunning light-trail photograph comprised of over 200 images taken with a shutter speed of 10 seconds at ISO 2000. ©Lucas Gilman



PARTS AND CONTROLS



SYSTEM CHART



SPECIFICATIONS

Type of camera	Single-lens reflex digital camera
Lens mount	Nikon F mount (with AF coupling and AF contacts)
Effective angle of view	Nikon FX format
Effective pixels	36.3 million
Image sensor	35.9 × 24.0 mm CMOS sensor
Total pixels	37.09 million
Dust-reduction system	Image sensor cleaning, Image Dust Off reference data (requires Capture NX-D software)
Image size (pixels)	<ul style="list-style-type: none">FX format (36 × 24): 7360 × 4912 (L), 5520 × 3680 (M), 3680 × 2456 (S)1.2× (30 × 20): 6144 × 4080 (L), 4608 × 3056 (M), 3072 × 2040 (S)DX format (24 × 16): 4800 × 3200 (L), 3600 × 2400 (M), 2400 × 1600 (S)5.4 (30 × 24): 6144 × 4912 (L), 4608 × 3680 (M), 3072 × 2456 (S)FX-format photographs taken in movie live view: 6720 × 3776 (L), 5040 × 2832 (M), 3360 × 1888 (S)DX-format photographs taken in movie live view: 4800 × 2704 (L), 3600 × 2024 (M), 2400 × 1352 (S)
File format	<ul style="list-style-type: none">NEF (RAW): 12 or 14 bit, lossless compressed, compressed or uncompressed; small size available (12-bit uncompressed only)TIFF (RGB)JPEG: JPEG-Baseline compliant with fine (approx. 1:4), normal (approx. 1:8) or basic (approx. 1:16) compression (Size priority); Optimal quality compression availableNEF (RAW)+JPEG: Single photograph recorded in both NEF (RAW) and JPEG formats
Picture Control system	Can be selected from Standard, Neutral, Vivid, Monochrome, Portrait, Landscape, Flat; selected Picture Control can be modified; storage for custom Picture Controls
Storage media	SD (Secure Digital) and UHS-I compliant SDHC and SDXC memory cards; Type I CompactFlash memory cards (UDMA compliant)
Dual card slots	Either card can be used for primary or backup storage or for separate storage of NEF (RAW) and JPEG images; pictures can be copied between cards
File system	DCF 2.0, DPOF, Exif 2.3, PictBridge
Viewfinder	Eye-level pentaprism single-lens reflex viewfinder
Frame coverage	<ul style="list-style-type: none">FX (36×24): Approx. 100% horizontal and 100% vertical1.2× (30×20): Approx. 97% horizontal and 97% verticalDX (24×16): Approx. 97% horizontal and 97% vertical5.4 (30×24): Approx. 97% horizontal and 100% vertical
Magnification	Approx. 0.7× (50 mm f/1.4 lens at infinity, -1.0 m ⁻¹)
Eye point	17 mm (-1.0 m ⁻¹ ; from center surface of viewfinder eyepiece lens)
Diopter adjustment	-3 to +1 m ⁻¹
Focusing screen	Type B BriteView Clear Matte Mark VIII screen with AF area brackets and framing grid
Reflex mirror	Quick return
Depth-of-field preview	Pressing P _v button stops lens aperture down to value selected by user (A and M modes) or by camera (P and S modes)
Lens aperture	Instant return, electronically controlled
Compatible lenses	Compatible with AF NIKKOR lenses, including type G, E, and D lenses (some restrictions apply to PC lenses), DX lenses (using DX (24×16) 1.5× image area) AI-P NIKKOR lenses, and non-CPU AI lenses (exposure modes A and M only); iX-NIKKOR lenses, lenses for the F3AF, and non-AI lenses cannot be used. The electronic rangefinder can be used with lenses that have a maximum aperture of f/5.6 or faster (the electronic rangefinder supports the 11 focus points with lenses that have a maximum aperture of f/8 or faster)
Shutter type	Electronically controlled vertical-travel focal-plane mechanical shutter, electronic front-curtain shutter (in mirror-up release mode)
Shutter speed	1/8000 to 30 s in steps of 1/3, 1/2 or 1 EV; bulb, time, X250
Flash sync speed	X=1/250 s; synchronizes with shutter at 1/320 s or slower (flash range drops at speeds between 1/250 and 1/320 s)
Release modes	S (single frame), CL (continuous low speed), CH (continuous high speed), Q (quiet shutter-release), QC (quiet continuous shutter-release), Ⓢ (self-timer), MUP (mirror up)
Frame advance rate	<ul style="list-style-type: none">With EN-EL15 batteries (FX/5.4) CL: Approx. 1 to 5 fps, CH: Approx. 5 fps, QC: Approx. 3 fps (DX/1.2×) CL: Approx. 1 to 6 fps, CH: Approx. 6 fps, QC: Approx. 3 fpsOther power sources (FX/5.4) CL: Approx. 1 to 5 fps, CH: Approx. 5 fps, QC: Approx. 3 fps (1.2×) CL: Approx. 1 to 6 fps, CH: Approx. 6 fps, QC: Approx. 3 fps (DX) CL: Approx. 1 to 6 fps, CH: Approx. 7 fps, QC: Approx. 3 fps
Self-timer	2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2 or 3 s
Exposure metering	TTL exposure metering using 91K-pixel RGB sensor
Metering method	<ul style="list-style-type: none">Matrix: 3D color matrix metering III (type G, E and D lenses); color matrix metering III (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens dataCenter-weighted: Weight of approx. 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12-mm circle)Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)Highlight-weighted: Available with type G, E and D lenses (equivalent to center-weighted when other lenses are used)
Metering range	<ul style="list-style-type: none">Matrix, center-weighted, or highlight-weighted metering : 0 to 20 EVSpot metering: 2 to 20 EV
Exposure meter coupling	Combined CPU and AI
Exposure modes	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, 1/2 or 1 EV
Exposure bracketing	2 to 9 frames in steps of 1/3, 1/2, 2/3 or 1 EV; 2 to 5 frames in steps of 2 or 3 EV
Exposure lock	Luminosity locked at detected value with AE-L/AF-L button
ISO sensitivity	ISO 64 to 12800 in steps of 1/3, 1/2 or 1 EV; can also be set to approx. 0.3, 0.5, 0.7 or 1 EV (ISO 32 equivalent) below ISO 64 or to approx. 0.3, 0.5, 0.7, 1 or 2 EV (ISO 51200 equivalent) above ISO 12800; auto ISO sensitivity control available
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 to 5 frames using preset values for all frames

Autofocus	Nikon Advanced Multi-CAM 3500FX autofocus sensor module with TTL phase detection, fine-tuning, 51 focus points (including 15 cross-type sensors; 1/8 supported by 11 sensors), and AF-assist illuminator (range approx. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.)
Detection range	-2 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); predictive focus tracking automatically activated according to subject statusManual focus (M): Electronic rangefinder can be used
Focus point	Can be selected from 51 or 11 focus points
AF-area modes	Single-point AF, 9-, 21- or 51-point dynamic-area AF, 3D-tracking, group-area AF, 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	Manual pop-up with button release and a guide number of approx. 12/39, 12/39 with manual flash (m/ft, ISO 100, 20°C/68°F)
Flash control	TTL: i-TTL flash control using 91K-pixel RGB sensor is available with built-in flash; i-TTL balanced fill-flash for digital SLR is used with matrix, center-weighted, and highlight-weighted metering, standard i-TTL flash for digital SLR with spot metering
Flash modes	Front-curtain sync, slow sync, rear-curtain sync, red-eye reduction, red-eye reduction with slow sync, slow rear-curtain sync, off; auto FP high-speed sync supported
Flash compensation	-3 to +1 EV in increments of 1/3, 1/2 or 1 EV
Flash bracketing	2 to 9 frames in steps of 1/3, 1/2, 2/3 or 1 EV; 2 to 5 frames in steps of 2 or 3 EV
Flash-ready indicator	Lights when built-in flash or optional flash unit is fully charged; blinks 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)	Nikon CLS supported; commander mode option available
Sync terminal	ISO 519 sync terminal with locking thread
White balance	Auto (2 types), incandescent, fluorescent (7 types), direct sunlight, flash, cloudy, shade, preset manual (up to 6 values can be stored, spot white balance measurement available during live view), choose color temperature (2500 K to 10000 K); all with fine-tuning
White balance bracketing	2 to 9 frames in steps of 1, 2 or 3
Live view modes	Live view photography (still images), movie live view (movies)
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)
Live view AF-area modes	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)
Movie metering	TTL exposure metering using main image sensor
Movie metering method	Matrix, center-weighted, or highlight-weighted
Frame size (pixels) and frame rate	<ul style="list-style-type: none">1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p1280 × 720; 60p, 50pActual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; all options support both high and normal image quality
Movie file format	MOV
Video compression	H.264/MPEG-4 Advanced Video Coding
Audio recording format	Linear PCM
Audio recording device	Built-in or external stereo microphone; sensitivity adjustable
Movie ISO sensitivity	<ul style="list-style-type: none">Exposure modes P, S and A: Auto ISO sensitivity control (ISO 64 to Hi 2) with selectable upper limitExposure mode M: Auto ISO sensitivity control (ISO 64 to Hi 2) available with selectable upper limit; manual selection (ISO 64 to 12800 in steps of 1/3, 1/2, or 1 EV); can also be set to approx. 0.3, 0.5, 0.7, 1, or 2 EV (ISO 51200 equivalent) above ISO 12800
Other movie options	Index marking, time-lapse photography
Monitor	8-cm/3.2-in., approx. 1229 k-dot (VGA; 640 × RGBW × 480 = 1,228,800 dots) TFT monitor with 170° viewing angle, approx. 100% frame coverage, and brightness adjustment
Playback	Full-frame and thumbnail (4, 9 or 72 images) playback with playback zoom, movie playback, photo and/or movie slide shows, histogram display, highlights, photo information, location data display, auto image rotation
USB	SuperSpeed USB (USB 3.0 Micro-B connector); connection to built-in USB port is recommended
HDMI output	Type C HDMI connector
Audio input	Stereo mini-pin jack (3.5-mm diameter; plug-in power supported)
Audio output	Stereo mini-pin jack (3.5-mm diameter)
Ten-pin remote terminal	Can be used to connect optional remote control, optional WR-R10 (requires WR-A10 Adapter) or WR-1 Wireless Remote Controller, GP-1/GP-1A GPS Unit, or GPS device compliant with NMEA0183 version 2.01 or 3.01 (requires optional MC-35 GPS Adapter Cord and cable with D-sub 9-pin connector)
Supported languages (may differ by country or area)	Arabic, Bengali, Bulgarian, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean, Marathi, Norwegian, Persian, Polish, Portuguese (Portugal and Brazil), Romanian, Russian, Serbian, Spanish, Swedish, Tamil, Telugu, Thai, Turkish, Ukrainian, Vietnamese
Battery	One EN-EL15 Rechargeable Li-ion Battery
Battery pack	Optional MB-D12 Multi-Power Battery Pack with one EN-EL15/EN-EL18a*/EN-EL18* Rechargeable Li-ion Battery or eight R6/AA-size alkaline, Ni-MH or lithium batteries
AC adapter	EH-5b AC Adapter; requires EP-5B Power Connector (available separately)
Tripod socket	1/4 in. (ISO 1222)
Dimensions (W × H × D)	Approx. 146 × 123 × 81.5 mm/ 5.8 × 4.9 × 3.3 in.
Weight	Approx. 980 g/2 lb 2.6 oz with battery and SD memory card but without body cap; approx. 880 g/1 lb 15.1 oz (camera body only)
Operating environment	Temperature: 0 to 40°C/32 to 104°F; humidity: 85% or less (no condensation)

• PictBridge is a trademark. • CompactFlash is a registered trademark of SanDisk Corporation. • 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 material are simulated.



* Supplied accessories ** Non-Nikon products † Can be downloaded from Nikon website (free)

MEET THE D810 PHOTOGRAPHERS AND FILMMAKERS



Miss Aniela
Fine Art/Fashion

I am delighted with the D810: it improves on everything I loved about the D800E. I've been truly impressed with the quality of resolution, even in the first files I shot! The crispness in details is reminiscent of medium format, but with all the ergonomics, accessibility and usability of a D-SLR. Having ISO 64 means I can shoot wide open in bright or outdoor situations and still maintain the best quality, without losing dynamic range. The picture has to withstand that level of post-production — and the D810's images do.



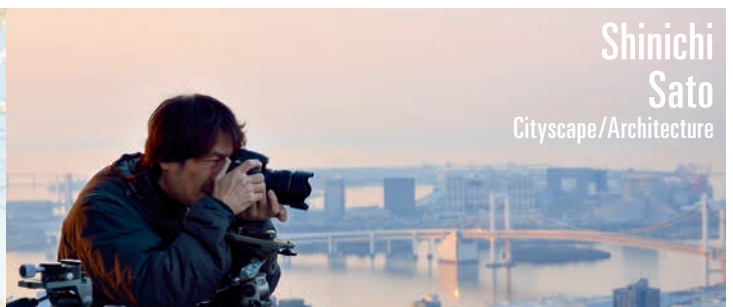
Lucas Gilman
Adventure/Film

When I first held the D810, my initial impressions were that it felt solid, elegant and refined. But it wasn't until I started shooting that the true magic came to life. There's a vivid richness and quality to the D810's images that's like nothing I've ever seen. The autofocus is so fast and fluid that it allows me to creatively zero in on the energy of the moment. Peak moments in action sports happen in one-thousandths of a second. Having 100% confidence in the D810's autofocus, along with the ability to shoot approx. 5 fps and 7 fps (DX format), makes this the most versatile camera ever.



Hisao Asano
Natural Landscape

Working with the D810 reminds me of the 4x5 camera I used when I started out as a professional. By confirming focus in live view, setting the camera to mirror-up mode and using the electronic front-curtain shutter, I can get images that are just as sharp as with a 4x5 camera, or even sharper. Setting the camera's sensitivity to ISO 64, reminiscent of some of the great reversal films, and adjusting parameters including clarity in Picture Control feels like selecting different types of film, only this camera makes it far easier than it used to be for photographers to obtain the images they want.



Shinichi Sato
Cityscape/Architecture

My photography is all about presence: I want to convey the feeling of actually being there, at the scene. I was genuinely impressed by the D810's ability to achieve a sense of depth comparable to the large-format 4x5 and 8x10 cameras and reversal films that I normally choose to work with. As an architecture photographer, the split-screen zoom function in live view is also a valuable addition, helping you achieve perfect leveling of the camera with horizontal parts of a building. The changes to the D810 may look modest, but they're actually radical improvements.



Junji Takasago
Nature/Underwater

Shooting in the Maldives, you see dramatic gradations. Digital cameras don't normally excel in this environment, but the D810 captured tonal transitions smoothly and in amazing detail. I use flash to bring out the brilliant colors of fish and coral underwater, and conditions there are so bright that you often have to stop the aperture way down, even at the fastest sync speed of 1/250 s. Having a low base sensitivity of ISO 64 meant I could shoot with the aperture at around f/5.6-f/8 and enjoy the optimal image quality. Simply put, the D810 is the perfect camera for creating images in ultimate quality.



Sandro
Portrait/
Commercial/Film

Shooting DREAM PARK was a lot of fun — using the D810, the imagery we got was so sharp and so beautiful, even the low-light scenes looked absolutely gorgeous. We saw a very romantic and cinematic feel to the footage, regardless of the scene we were shooting. From the most dimly lit alleys and industrial parks to a really high-key, overlit swimming pool — the range of the D810 and the way it performed was absolutely phenomenal.

Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. June 2014

©2014 Nikon Corporation



WARNING

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



Nikon Singapore Pte Ltd 23 Church Street, Unit #13-07, Capital Square, Singapore, 049481 www.nikon.com.sg
Nikon Hong Kong Ltd. Suite 1001, 10F, Cityplaza One, 1111 King's Road, Taikoo Shing, Hong Kong www.nikon.com.hk
Nikon (Malaysia) Sdn. Bhd. 11th Floor, Block A, Menara PKNS, No. 17, Jalan Yong Shook Lin, 46050 Petaling Jaya, Selangor Darul Ehsan, Malaysia www.nikon.com.my
Nikon Australia Pty Ltd. Suite 501, Level 5, 5 Rider Boulevard, Rhodes, NSW 2138, Australia www.nikon.com.au
Nikon India Private Limited Plot no 17, Sector 32, Institutional Area, Gurgaon 122001, Haryana, India (CIN - U74999HR2007FTC036820) www.nikon.co.in
Nikon Sales (Thailand) Co., Ltd. 195 Empire Tower, 45th Floor, River Wing East, South Sathorn Rd, Yannawa, Sathorn, Bangkok 10120, Thailand www.nikon.co.th
Nikon Middle East FZE Level 4, The Galleries Bldg. 2, Downtown Jebel Ali, P.O. Box 261908, Dubai, UAE www.nikon-me.com
PT Nikon Indonesia 35th Floor, Wisma 46 - Kota BNI, Jl. Jend. Sudirman Kav.1, Jakarta, 10220, Indonesia www.nikon.co.id
NIKON CORPORATION Shin-Yurakucho Bldg., 12-1, Yurakucho 1-chome, Chiyoda-ku, Tokyo 100-8331, Japan www.nikon.com