I AM PERFECTED BY PROS

D4s

www.nikon-asia.com
Tenacious AF tracking: Extreme motion captured, even at close range

When shooting sports, it can be challenging to get up close to the action, while still retaining the ability to accurately and reliably track your subject. With the D4S, that task is now much easier.

- Lens: AF-S NIKKOR 600mm f/4G ED VR
- Image quality: 14-bit RAW (NEF)
- Exposure: [M] mode, 1/2000 second, f/4
- White balance: Direct sunlight
- Sensitivity: ISO 320
- Picture Control: Standard

© Robert Beck

Sharp, quick AF acquisition to capture even the most unpredictable subjects

With significantly refined autofocus performance, the D4S delivers sharp focus with fast and accurate initial AF detection, even when subjects are thrust unpredictably into the frame.

- Lens: AF-S NIKKOR 70-200mm f/2.8G ED VR II
- Image quality: 14-bit RAW (NEF)
- White balance: Direct sunlight
- Sensitivity: ISO 200
- Picture Control: Standard

© Robert Beck

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- Image quality: 14-bit RAW (NEF)
- Exposure: [M] mode, 1/2000 second, f/4
- White balance: Direct sunlight
- Sensitivity: ISO 320
- Picture Control: Standard

© Robert Beck
Sharp and clear regardless of the light, with vastly improved noise reduction

Even in low-light environments, the D4S produces amazing image quality with accurately reproduced skin tones. Fine details really make your images pop, giving them a lifelike feeling of depth.

- Lens: AF-S NIKKOR 14-24mm f/2.8G ED
- Image quality: 14-bit RAW (NEF)
- Exposure: [M] mode, 1/500 second, f/4
- White balance: Auto 1
- Sensitivity: ISO 6400
- Picture Control: Standard

© Dave Black

Assuring, liberating AF lets you focus more on composition

Photographers can confidently rely on the D4S’s auto focus performance, which holds subjects tightly so they can concentrate more on composition. The new group-area AF detects and keeps subjects in focus with the AF points, letting you shoot erratically moving subjects with complete assurance.

- Lens: AF-S NIKKOR 800mm f/5.6E FL ED VR
- Image quality: 14-bit RAW (NEF)
- Exposure: [M] mode, 1/1600 second, f/7.1
- White balance: Auto 1
- Sensitivity: ISO 1000
- Picture Control: Standard

© Dave Black
Versatile autofocus lets you confidently capture the most elusive movements

Wildlife photography requires fast initial AF acquisition and relentless tracking capabilities. Maximizing the capability of all focus points, the D4S’s dynamic-area AF mode (51 points) provides the autofocus versatility needed for elusive subjects, such as the bird pictured above.

• Lens: AF-S NIKKOR 300mm f/2.8G ED VR II • Image quality: 14-bit RAW (NEF) • Exposure: [S] mode, 1/4000 second, f/9 • White balance: Auto 1 • Sensitivity: ISO 3200 • Picture Control: Standard
© George Karbus

Reliability to nail the shot at high ISO, maintaining smooth, rich tonal gradation

Venture out into nature with the D4S, even under a grey stormy sky or on a rainy night. Combined with a durable and water-resistant body, the high ISO capability of the D4S lets you take your art to wild new places.

• Lens: AF-S NIKKOR 70-200mm f/2.8G ED VR II • Image quality: 14-bit RAW (NEF) • Exposure: [A] mode, 1/400 second, f/18 • White balance: Auto 1 • Sensitivity: ISO 3200 • Picture Control: Landscape
© George Karbus
In the world of sport, it takes a specific combination of factors to become a champion. The same can be said for photographers who cover the athletic drama as it unfolds. To render an athlete’s story with all the physical and emotional intensity it deserves, the photographer needs gear that meets the most rigorous demands. To do this consistently, however, capturing images that win the attention of editors and audiences around the world, the camera must go even further.

The D4S is that camera.

With all the speed and power you expect from a new Nikon flagship, the D4S is packed with expanded features and versatility. Put simply: it shoots what you want, where you want, faithfully following your intentions with an incredibly accurate initial AF detection and AF tracking performance, even at high magnifications or after sudden changes in your subject’s distance. You get incredible JPEG image quality straight out of the camera, including a new level of depth, sharpness and malleability. Video capabilities are more powerful and versatile than ever, with a new 1080/60p and shockingly sharp 1920 × 1080 crop mode that must be seen to be believed.

The bar has been raised. Whether near or far, the D4S shoots pictures that were once unattainable. Even in extremely difficult shooting situations, the D4S captures pictures that sell.

All-round professional performance: a true gearshift
Unbeatable AF accuracy and versatility

- New algorithms to further empower the accurate AF acquisition of extremely fast and erratically moving subjects, both near and far
- Tenacious AF tracking to frame fast-approaching or receding subjects up-close for a dynamic, professional composition
- Swift and strategic AF-area mode selection via focus operation buttons on super-telephoto NIKKOR lenses, for optimized AF in any situation

Accurate AF acquisition and powerful tracking to push professionals further, even in extreme situations

Expect an entirely new level of AF performance — one where you can conquer aesthetic goals while winning your editor’s approval. After listening to countless professionals who compete in this truly demanding sport, Nikon responded with a new and inspired AF system — the ultimate focusing performance for professionals who face extreme situations day in and day out. With its thoroughly recalibrated AF algorithms, the Advanced Multi-CAM 3500FX autofocus sensor module quickly zeros in exactly where and how you intend — no matter how near, far, or abruptly your subject appears in the scene. Expect detection accuracy, even for subjects in low-contrast situations. The detected subject stays in constant focus, thanks to bolstered tracking capabilities. Imagine a speed skater hurtling toward you; the D4S lets you track the subject more confidently until the frame is filled with a more aesthetically striking composition. The days of constantly shooting loose for safety are over. This same high-level AF performance applies to a wide array of challenging situations that today’s sports shooter must face. Moreover, tracking performance remains powerful even when the view of your intended subject is momentarily obstructed, such as during a football or rugby match. With true AF versatility like this, the D4S helps you capture more winning images in any situation.

Versatile AF-area modes for varying professional needs

The D4S further empowers its flagship focusing versatility. In addition to the four time-tested modes (single-point AF, dynamic-area AF, auto-area AF, and 3D-tracking) a fifth AF-area mode option is now available. The new group-area AF focuses more securely on your desired subject by using five AF points simultaneously like a net, in contrast to dynamic-area AF which uses one initial AF point. This can be extremely useful when targeting unpredictable subject matter that is hard to lock on to — all while avoiding unintentional focus on the background. Photographers can now feel more confident, knowing that small, distant and fast-moving objects can be captured quicker, more successfully, and rendered sharper.

Strategic, swift AF-area mode change via focus operation buttons on super-telephoto NIKKOR lenses

A good game plan leads you toward the shots you want. For example, most sports shooters rely heavily on dynamic-area AF mode with nine points, but there might be moments during a single game or performance when a different AF-area mode would be more appropriate. You may prefer single-point AF mode for sport focus on an athlete’s eye, but then moments later need other dynamic-area AF modes or group-area AF mode if the same subject begins to move unpredictably. With the D4S, your super-telephoto NIKKOR’s focus operation buttons work as a strategic shortcut to one pre-registered AF-area mode. Now you can switch back and forth between your two most vital modes instantly, and without ever taking your eye away from the subject. Simply press to switch modes, and then release to return to the previous mode.

AF strength with diverse NIKKOR lens and teleconverter combinations

The D4S features 51 focus points with 15 cross-type sensors in the center area of the viewfinder, expertly detecting contrast in both vertical and horizontal directions for better AF performance. All 51 points are responsive to f/5.6 and deliver a 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. The result: stress-free focusing when using 1.4x or 1.7x teleconverters. Moreover, 11 focus points are even compatible with f/8, thereby giving you significant AF power when combining a 2x teleconverter with super-telephoto NIKKOR lenses.

- Perform as cross-type sensors
- Perform as line sensors

Compatible with 1.4x
Compatible with 1.7x
Compatible with 2x

Note: Switching to the pre-registered AF-area mode is not possible when 3D-tracking is selected on the camera while using autofocus.
For many of today’s professional photographers, winning images are expected to be online within seconds of capture. In order to grab and keep a photo editor’s attention you need out-of-the-camera image quality — once an image is shot, it must be ready to publish without requiring post-production. The D4S is designed with this specific goal in mind. Within seconds of pressing the shutter-release button, the camera is constantly improving its noise-control expertise. The powerful EXPEED 4 image-processing engine incorporates an entirely new algorithm for noise reduction at high ISO and color fidelity, resulting in an enhanced at-a-glance overall sharpness and clarity without sacrificing subtle textures and luminous details. Image quality is retained even when noise-reduction levels are set at “High.” Noise is kept to a minimum even on flat planes in the mid-tonal range. Combined with the camera’s many other image-processing enhancements, your images will retain deeper tones, a healthier saturation and project an overall bolder look. Even within the realm of professional gear, the D4S’s image quality reaches a new level of achievement. See for yourself.

Winning image quality for when speed means business

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Stunning image quality directly ready for the world

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A whole new level of clarity with unprecedented noise reduction

From its standard range of ISO 100 to ISO 25600, the D4S delivers consistently sharp edges and clean colors — achieved through Nikon’s own meticulous and uncompromising testing procedures. Nikon is constantly improving its noise-control expertise. The powerful EXPEED 4 image-processing engine incorporates an entirely new algorithm for noise reduction at high ISO and color fidelity, resulting in an enhanced at-a-glance overall sharpness and clarity without sacrificing subtle textures and luminous details. Image quality is retained even when noise-reduction levels are set at “High.” Noise is kept to a minimum even on flat planes in the mid-tonal range. Combined with the camera’s many other image-processing enhancements, your images will retain deeper tones, a healthier saturation and project an overall bolder look. Even within the realm of professional gear, the D4S’s image quality reaches a new level of achievement. See for yourself.

Formidable technologies at the heart of your images

Every winning shot you take with the D4S is made possible by a formidable quartet of exclusive Nikon imaging technologies. The newly designed FX-format CMOS image sensor offers 16.2-megapixel resolution and a remarkably wide light sensitivity range: ISO 100 to 25600 as standard without sacrificing dynamic range, which can be expanded to the equivalent of ISO 100 to 409600. The perfect accompaniment to such a sensor is the NIKKOR line of lenses. Unmatched in sharpness, clarity and accuracy, each lens draws out the full potential of the D4S’s sensor in diverse lighting conditions. The powerful EXPEED 4 image-processing engine receives 14-bit 16-bit processing to maintain your image information’s peak richness and on websites. Capture

Healthy skin tones with accurate white balance

The powerful EXPEED 4 image-processing engine uses a new, intelligent algorithm for auto white balance that more accurately detects light sources through rigorously detailed image analysis. This significantly contributes to healthier-looking, better-saturated skin tones under a diverse range of light sources. Each white balance option, including auto, can also be calibrated in even finer steps than before for a more granular control of color. In addition, the camera’s new Spot White Balance feature allows you to calculate on-the-spot preset manual white balance during live view using a tiny data acquisition area selected in your frame. Attaining the level of accuracy that professionals demand, any preset data acquisition area set will maintain its size even when the live view image is magnified. If you’re not satisfied with the result, simply move the acquisition area manually to receive a new Spot White Balance reading. Do this as many times as needed, all without repeating the process from the beginning — another real-world convenience delivering efficiency that professionals will appreciate.

Nikon’s exclusive Advanced Scene Recognition System

Professionals can confidently rely on the D4S for accuracy and seamless synergy of crucial camera controls such as autofocus, auto exposure, auto white balance and i-TTL flash exposure. Using its 91K-pixel RGB sensor that also functions as a precision metering sensor, the D4S’s Advanced Scene Recognition System studies each shooting scenario for brightness, contrast, color, distribution of highlights, and even the existence of human faces. It then applies this information to achieve the best scene analysis possible — accurately, and all in milliseconds before shutter release, with every image you take, even during high-speed continuous shooting. Silently and subtly, the Advanced Scene Recognition System works in the background to help you achieve the best images possible. Expect more powerful focus tracking, tack-sharp focus on faces, well-balanced exposures that retain highlights, and even more faithful white balance. The system also utilizes information from the image sensor for magnified playback of your subject’s face, as well as auto exposure and autofocus control of live view shooting, including video.

© Robert Beck

Original framing of the image shown above, before cropping. © Robert Beck

NEW! 105mm ED—IF AF-S VR

• Powerful EXPEED 4 image-processing engine for clear images with minimized noise from ISO 100 to 25600
• Stunning sharpness, healthy skin tones and enhanced depth in JPEGs straight out of the camera
• JPEGs right out of the camera maintain sharpness that's ready for publication, even after aggressive cropping
• Accurate auto skin balance renders healthy skin tones
• Saving auto skin balance renders healthy skin tones

Winning image quality

Winning image quality

Winning image quality

Winning image quality

Winning image quality
Enhanced professional artistry, all under your control

- Excellent file malleability and Nikon’s Picture Control System maintain image integrity while expanding creative freedom
- Nikon Creative Lighting System with “Background only” exposure compensation option separate from flash compensation
- Active D-Lighting to retain more highlight and shadow details in harsh light for natural-looking results — unique to Nikon

Enhanced artistry for professionals — Nikon’s Picture Control System

The D4S delivers exceptional image quality in every default-setting JPEG straight out of the camera, but the benefits don’t stop there. The superior malleability of the camera’s image files means that professionals can easily expand on their artistic impact by taking advantage of Nikon’s original Picture Control System. Simply apply a preset Picture Control option according to your preference, and enjoy the distinctive images. Slightly adjust the parameter sliders to further enhance the look. You can even create custom Picture Controls by modifying preset options using the Picture Control Utility* on a PC. The Picture Control System lets you fully explore each picture’s photographic potential without compromising the image’s integrity.

Give your images an extra edge by experimenting with Picture Controls

Try applying preset Picture Controls to unusual subject matter as a means of discovering a different look or style for your photography

- “Landscape” creates more impressive contrast in portraits
- “Portrait” enhances the soft, smooth appearance of landscape shots

Active D-Lighting with “Extra high 2” option

When working with extremely high-contrast lighting, such as in backlight conditions exceeding the camera’s already broad dynamic range, the D4S’s Active D-Lighting feature provides the unique capability to preserve details in both highlights and shadows. It does this while maintaining appropriate contrast and a natural photographic look. The powerful EXPED 4 image-processing engine achieves high color fidelity with shorter processing time — working in real-time as you shoot. In the harshest lighting conditions, try the “Extra high 1” or “Extra high 2” option. Active D-Lighting works with a single shutter release, and can prove very effective when movement is inherent to your image.

Nikon Creative Lighting System: studio-level lighting, virtually anywhere

Moving beyond available light is easy with Nikon’s unbeatable Creative Lighting System (CLS). Portable Nikon Speedlights (optional) can transform any location into your own personal studio, using the diverse array of CLS flash features to add more depth and dynamism to your images. Advanced Wireless Lighting gives you precise control of remote flash units; control up to three groups of Speedlights, with an unlimited number of units in each group. Operation is as intuitive as controlling an on-camera Speedlight, using a simple, easy-to-understand interface. Thanks to Nikon’s exclusive i-TTL flash control, results will be accurate. In addition, the D4S offers an exposure compensation option that affects only the background of your image. Unlike the entire frame compensation option that changes both flash and the background exposures, this feature allows photographers to emphasize what they want most in their composition without complicated calculations.

HDR (High Dynamic Range)

In the HDR mode, the D4S combines two images taken at different exposures (differential can extend up to 3 EV) into one shutter release to create a single frame that covers a wider latitude than the camera’s native dynamic range. The smoothness of the edges where the two exposures meet can be adjusted. Most suitable for landscapes, interiors and studio work, the resulting images maintain rich saturation and tonality with minimum noise.

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Setting minimum shutter speed to avoid image blur for auto ISO sensitivity control

In the auto ISO sensitivity control option, the camera automatically adjusts ISO sensitivity when it cannot achieve the correct exposure at the selected sensitivity. Maximum sensitivity can be set from ISO 200 to HI-4. In P or s mode, the minimum shutter speed to activate auto ISO sensitivity control can be selected from 1/4000 to 30 s. If the brightness of your subject matter is constantly in flux, such as when clouds are moving rapidly overhead or for shooting in a partially shaded sports area, select fast shutter speed as the minimum shutter speed in order to avoid unintended blur. Using the auto option when setting the minimum shutter speed, the D4S will automatically choose the shutter speed that activates auto ISO sensitivity control based on the focal length of the attached lens — very useful when shooting with a zoom NIKKOR lens.

Four image area options

The combination of the D4S and NIKKOR lenses provides you with unprecedented versatility. Aside from FX format (36.0 x 23.9 mm), the D4S also shoots with a 5:4 crop (29.9 x 23.9 mm) and 1.2× crop (29.9 x 19.9 mm), as well as DX format (23.4 x 15.6 mm). The last two are approx. 1.2x or 1.5x options, which can be extremely useful for creating telephoto effect to an existing lens.
Clear viewfinder visibility during high-speed continuous shooting lets you better track any subjects.

- Lens: AF-S NIKKOR 70-200mm f/2.8G ED VR II
- Image quality: 14-bit RAW (NEF)
- Exposure: [M] mode, 1/1600 second, f/4.5
- White balance: Auto 2
- Sensitivity: ISO 3200
- Picture Control: Standard

© Dave Black

Clear viewfinder visibility during high-speed continuous shooting lets you better track agile subjects. The D4S lets you shoot at 11 fps with full AF and AE performance, and maintains high speeds at any aperture.

- A wide range of practical customization options to handle diverse professional needs
- New mirror-movement mechanism for better viewfinder visibility while tracking subjects in high-speed continuous shooting
- Built-in wired LAN terminal (1000BASE-T) for fast data transmission

The D4S’s inspired image quality and AF performance can only reach their full potential if a photographer has a clear view of what he or she is shooting. Even when capturing fast, erratically moving subjects using high-speed continuous shooting, the D4S maintains a clear view of your target so you can better track agile subjects. To achieve this, Nikon’s newly designed mirror-moving mechanism employs double mirror balancers for the main mirror, that effectively absorb mirror slap. Also incorporated are dedicated receptacle pins on both sides of the sub-mirror, that swiftly and accurately stop the mirror movement. Both contribute to accurate AF tracking during 11 fps high-speed continuous shooting with full-time AF and AE compatibility, in which the viewfinder image is more stable with minimized image blackout time, maintaining this clear view for up to 205 JPEG shots* nonstop. Moreover, a selected focus point stays constantly illuminated without blinking in the viewfinder at every shutter release during high-speed continuous shooting, helping a photographer concentrate when tracking fast and erratically moving subjects.

*When using a 32 GB Sony S-series QD-S32E XQD card.

Faster image processing with EXPEED 4 and RAW size S
The D4S offers a variety of fast and efficient ways to deliver quality images to your editor or any other audience. If your mission is to send JPEG images without a post-production edit, then rely on EXPEED 4 for 30% faster processing while maintaining an unprecedented level of image quality. If you need both post-production enhancement and speed, the D4S lets you shoot in RAW size S* (12 bit, uncompressed) with a quarter of the resolution of RAW size L (12 bit, uncompressed, the file size of RAW size S is about a half) while maintaining sharpness and noise level equivalent to JPEG size S.*Some value options, such as NEF (RAW) processing and image overlay, cannot be applied.

• Faster image processing with EXPEED 4 and RAW size S
The D4S offers 4 different focus points for each camera orientation.

- Minute changes in body contours, button locations and textures
- A cutting-edge workflow without cutting corners

New mirror-movement mechanism for better viewfinder visibility while tracking subjects in high-speed continuous shooting

© Dave Black

The D4S lets you shoot at 11 fps with full AF and AE performance, and maintains high speeds at any aperture.

© Dave Black

A different focus point can be selected for each camera orientation.

© Dave Black

The D4S’s AF functions are ready to be customized to serve more attentively to a professional’s many needs. In addition to being able to store separate focus point selection for horizontal and vertical compositions, you can now do so with different AF-area modes as a set by camera orientation. With preset focus point customization, you can return to the designated focus point at the push of a button. To avoid choosing unneeded lens servo and AF-area mode combinations, the D4S lets you customize and stay only with the modes you want.

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Clear subject view with minimized image blur caused by mirror movement gives better tracking results during high-speed continuous shooting

© Dave Black

A wide range of practical customization options to handle diverse professional needs

© Dave Black

A cutting-edge workflow without cutting corners

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© Dave Black

A cutting-edge workflow without cutting corners

© Dave Black
1080/60p Full HD video with full manual control and wide standard ISO range of 200 to 25600

Professional assignments rarely happen in ideal conditions, whether shooting still images, running a video production, or both. Photographers who shoot video often need to move quickly, with as little equipment weighing them down as possible. The D4S reliably delivers amazing, broadcast-quality video in such environments, with 1080/60p Full HD capability packed into its rugged body. Thanks to its powerful EXPEED 4 for smooth exposures, rich tones and minimum noise, even at high ISOs.

In addition to smooth motion capture, the D4S also renders exposure transitions smoothly. When a scene’s exposure changes significantly, such as filming at dawn or panning from one light level to another, the D4S’s image sensor and EXPEED 4 work hand-in-hand to render a natural transition between bright and dark scenes, all while delivering rich tones, sharp edges and minimized noise, even at high ISOs.

Multi-area mode full HD video with the stunningly sharp 1920 × 1080 crop mode

Professionals have to travel light, but they also need plenty of creative options. When working in multimedia, having more visual options for your footage can be the key to success, but it can also mean carrying lots of extra gear. The design of the D4S addresses this head-on, essentially serving as three cameras in one. Its multi-area modes allow you to shoot with three different areas of the image sensor: FX-based format, DX-based format, and 1920 x 1080 crop format. While the FX-based format offers a shallower depth of field and better noise performance, the DX-based format and 1920 x 1080 crop format offer deeper depth of field and a further extended focal length of the lens in use — 1.5x with the DX format and 2.7x with the 1920 x 1080 crop. For exceptional sharpness in video images, the 1920 x 1080 crop format uses exactly 1920 x 1080 pixels to achieve 1080p Full HD. The result is simply amazing image sharpness. By changing modes, your NIKKOR lenses, including DX NIKKORs, can double and triple their utility, which can be an immense help when carrying additional lenses is difficult or impossible.

Advanced video versatility, amazing multimedia

• 1080/60p Full HD video with EXPEED 4, rendering rich, smooth tones with minimized noise from ISO 200 to 25600
• 1920 × 1080 crop mode delivers stunning sharpness without resizing, with an approx. 2.7x increase to focal length
• 1080/60p Full HD video with EXPEED 4, rendering rich, smooth tones with minimized noise from ISO 200 to 25600
• Wide standard ISO range of 200 to 25600 — also helps professionals achieve their objectives using the DX-based format, DX NIKKORs, can double and triple their utility, which can be an immense help when carrying additional lenses is difficult or impossible.

Powerful EXPEED 4 for smooth exposures, rich tones and minimum noise

In addition to smooth motion capture, the D4S also renders exposure transitions smoothly. When a scene’s exposure changes significantly, such as filming at dawn or panning from one light level to another, the D4S’s image sensor and EXPEED 4 work hand-in-hand to render a natural transition between bright and dark scenes, all while delivering rich tones, sharp edges and minimized noise, even at high ISOs.

Smother exposure transition during time-lapse and interval timer photography

Creating breathtaking time-lapse movies is even easier with the D4S. In a time-lapse movie of scenes where the brightness changes gradually, such as dawn or dusk, even a slight difference of exposure of each frame can create annoying flickering. The D4S intelligently measures exposure variances and renders the transitions with unprecedented smoothness. Such scenes have previously been difficult to capture, but now you can confidently apply auto-exposure to achieve professional-grade time-lapse and interval shooting. The maximum number of exposures available in interval timer shooting is 9999, increased from 999 with the D4.

Auto ISO control while shutter speed and aperture are fixed

Imagine you are shooting a long sequence that starts in a dark corridor and ends in the bright outdoors. The D4S lets you maintain manual exposure for controlled shutter speeds and aperture settings while the camera automatically dictates the sensitivity for the correct exposure. Maximum sensitivity can be set from ISO 400 to HI 4. For assignments with dramatic shifts in lighting, this can be a remarkably useful tool.

HDMI Cable Clip

HDMI. Output can be edited using the ProRes® format, making for an efficient editing workflow. New to the D4S is the ability to record video in the same compressed in the Intra (MPEG-4 AVC format) while simultaneously outputting uncompressed files. Using the optional HC-E1 HDMI Cable and the supplied HDMI Cable Clip, you can also expect stable operation without accidental disconnection of the cable. The cable clip also prevents the cable connector from being damaged.

*ProRes is a codec by Apple Inc. and is a registered trademark of the company.

Powerful EXPEED 4 for smooth transitions and noise reduction

The D4S’s image sensor and EXPEED 4 ensure smooth transitions in a video sequence that moves between dark and bright environments, something that was previously impossible.

Hi-8 sound control before and during recording via stereo headphones and audio level monitoring

The D4S is designed for crisp audio recording with an external stereo microphone connector. Attach the compact ME-1 Stereo Microphone (optional) to record high-quality sound while significantly reducing mechanical noise. A headphone connector enables use of headphones to effectively monitor and control audio in sonic isolation. The level sound indicators offer visual confirmation of your audio level, and the microphone sensitivity can be controlled precisely in 20 incremental steps. You can also select “Wide range” for recording musical performances or the ambient sound of city streets or “Vocal range” for recording human voices. When recording with the built-in microphone, you can apply wind noise reduction.

Index marking can be registered during recording for efficient editing

Save valuable time using the index-marking feature, which lets you designate important frames while filming. This takes it easy to locate key points in your footage during the later stages of in-camera editing. Markings are indicated along with the progress bar, and are easy to confirm visually.

Option to tailor the shutter-release button to start/finish video recording

The D4S’s custom function allows you to customize the shutter-release button as a movie start/finish button. This means that you can shoot video remotely with either a remote cord or the WR-1 Wireless Remote Controller, even when the camera is placed at a distant or less accessible location, such as in a remote-controlled helicopter for aerial shooting.

Power aperture for smooth aperture control during recording on an external HDMI device

Instead of rotating the sub-command dial, power aperture* allows you to fine-tune aperture settings by using the preview button and a function button that you can designate via the custom menu. Power aperture is compatible with recording on an external device via HDMI.

*Available in A and M modes.

The image above shows three image area options (aspect ratio 16:9) on an FX-based format in the index-marking viewfinder. The image area options are indicated along with the progress bar, and are easy to confirm visually.
NIKKOR lenses: The defining strength for winning photographs and videos

• Exceptional sharpness, from the image center to the periphery
• Sharp resolution that renders a point light source as a point
• Smooth transitions from sharp focus to soft bokeh, faithfully defining three-dimensional space in your images
• Image clarity free from ghost and flare in difficult lighting

NIKKOR lenses: Optical masterpieces for Nikon D-SLRs

Whether they shoot with Nikon or not, professionals unanimously praise the exceptional optical performance of NIKKOR lenses. Realizing the full professional quality and performance of Nikon’s newest flagship, NIKKOR lenses represent the clear advantage of achieving the best images possible. NIKKOR lenses are engineered based on Nikon’s strict lens-making criteria, and fulfill the demands of professionals in both video and still image shooting. This level of optical performance is unattained by any other lens maker. Trusted by still photographers and video professionals alike, NIKKOR lenses exemplify the NIKKOR spirit, with edge-to-edge sharpness across the frame. NIKKOR lenses are optical masterpieces that render the superb look of beautiful, continuous bokeh and natural depth. In night landscape shooting, the lens defines point light sources as point images even in the peripheral areas at the maximum aperture. The exquisite bokeh depicts subjects even more attractively in portrait or still-life shooting.

AF-S NIKKOR 24mm f/1.4G ED
This wide-angle lens delivers stunning images with natural bokeh while achieving a remarkable level of coma aberration correction, even at the maximum aperture. Standard 1/8 second, f/18 • White balance: Color Temperature (3030K) • Sensitivity: Lo 1 • Picture Control: Standard © Dave Black

AF-S NIKKOR 24-70mm f/2.8G
This telephoto zoom keeps weight to a minimum during super-telephoto assignments that require stamina and image quality. NIKKOR Coat and VR support contribute to sharper images under demanding conditions. AF-S NIKKOR 24-70mm f/2.8 • Image quality: 14-bit RAW (NEF) • Exposure: [M] mode, 1/2500 second, f/5.6 • White balance: Auto 1 • Sensitivity: ISO 500 • Picture Control: Standard © Dave Black

AF-S NIKKOR 58mm f/1.4G
A fast, standard prime lens offering high resolution and VR support (up to 3.0 stops*). Nano Crystal Coat reduces ghost and flare effects, helping to create stunningly crisp, clear images. The best choice for indoor and action sports. AF-S NIKKOR 58mm f/1.4G • Image quality: 14-bit RAW (NEF) • Exposure: [M] mode, 1/4000 second, f/5.6 • White balance: Auto 1 • Sensitivity: ISO 500 • Picture Control: Standard © Dave Black

AF-S NIKKOR 300mm f/2.8G ED VR II
This super-telephoto lens delivers crystal-clear images, with ED and Super ED glass reducing chromatic aberration while Nano Crystal Coat minimizes flare and ghost. Handheld shooting is made possible thanks to VR support (up to 3.0 stops*) and a fast f/2 maximum aperture. AF-S NIKKOR 300mm f/2.8G ED VR II • Image quality: 14-bit RAW (NEF) • Exposure: [M] mode, 1/2500 second, f/5.6 • White balance: Auto 1 • Sensitivity: ISO 640 • Picture Control: Standard © Dave Black

AF-S NIKKOR 340mm to 500mm f/2.8G ED VR II
This super-telephoto zoom lens, renowned for professional use, enables handheld shooting with VR support (up to 3.5 stops*), thereby offering more handheld shooting opportunities. Expect beautiful bokeh ranging from infinity to the 1.4 m 6 ft minimum focus distance, while Nano Crystal Coat minimizes glare and flare. AF-S NIKKOR 340mm to 500mm f/2.8G ED VR II • Image quality: 14-bit RAW (NEF) • Exposure: [M] mode, 1/2500 second, f/5.6 • White balance: Auto 1 • Sensitivity: ISO 640 • Picture Control: Standard © Dave Black

AF-S NIKKOR 500mm f/4G ED VR
A super-telephoto lens delivers incredibly sharp images and beautiful bokeh with a fast f/4 maximum aperture, VR support (up to 3.0 stops*), and Nano Crystal Coat. The light and durable magnesium die-cast lens barrel means true reliability. AF-S NIKKOR 500mm f/4G ED VR • Image quality: 14-bit RAW (NEF) • Exposure: [M] mode, 1/4000 second, f/5.6 • White balance: Auto 1 • Sensitivity: ISO 640 • Picture Control: Standard © Dave Black

AF-S NIKKOR 800mm f/5.6E FL ED VR
The longest of all the NIKKOR lenses maintains a very lightweight body, allowing you to produce amazingly clear super-telephoto images by employing fluorite, ED glass and Nano Crystal Coat in its construction. The VR function offers a powerful effect equivalent to shutter speeds 4.5 stops* faster. An electromagnetic diaphragm mechanism ensures stable aperture control even when the lens is used with the dedicated 2x teleconverter (supplied with this lens), extending its reach to 1000 mm.

AF-S NIKKOR 800mm f/5.6E FL ED VR • Image quality: 14-bit RAW (NEF) • Exposure: [M] mode, 1/1000 second, f/11 • White balance: Auto 1 • Sensitivity: ISO 640 • Picture Control: Standard © Dave Black
Wireless Remote Controllers (optional)

Utilizing the 2.4-GHz radio frequency band, the WR-1 and WR-RT10/WR-110 Wireless Remote Controllers enable remote control over long distances. The WR-1 unit also expands your possible shooting scenarios with multiple remote shooting options. You can communicate between WR-1 units separated up to 120 m/394 ft. Fifteen channels are available. Attaching WR-1 units on several cameras, try simultaneous shutter release, or release their shutters synchronized with a master camera that also has a WR-1 attached. You can also remotely control each group of cameras separately, or try interval timer photography.

GP-1A GPS Unit (optional)

With the optional GP-1A GPS Unit, you can store image information such as latitude, longitude, altitude and UTC (Universal Coordinated Time) as Exif data on any D4S image. Such images can be displayed on the GeoTag workspace of ViewNX 2 supplied, and this information can also be used on Nikon’s image-sharing and storage service NIKON IMAGE SPACE, as well as other online image-sharing services or digital mapping software on the market.

Nikon Professional Services:
Keeping professionals shooting

Nikon Professional Services (NPS) assists photographers who earn their living using Nikon equipment. With specialized, individual care, NPS pays attention to each professional photographer’s specific set of needs in order to provide real solutions for any technical or logistic issue they face. Whether you need repairs, equipment maintenance or image sensor cleaning, NPS is there. If the repairs take time and an assignment looms, NPS is ready with loan equipment to keep you shooting and meet your deadline. Big sporting and cultural events often serve up make-or-break moments for professionals. That’s why the Nikon service depot is present at major events across the globe to ensure that Nikon photographers have what they need to win. Nikon is a true imaging company, so NPS is not only available to still photographers but also to cinematographers and movie productions.

System chart

Usage of the GP-1A GPS Unit

With the GP-1A GPS Unit, you can store information such as latitude, longitude, altitude and UTC (Universal Coordinated Time) as Exif data on any D4S image. Such images can be displayed on the GeoTag workspace of ViewNX 2 supplied, and this information can also be used on Nikon’s image-sharing and storage service NIKON IMAGE SPACE, as well as other online image-sharing services or digital mapping software on the market.

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

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