



I AM FULL FRAME POWER











- "With 6-fps continuous shooting and a superior AF system, the D610 lets you capture even the most elusive subjects."
- Lens: AF-S NIKKOR 600mm f/4G ED VR + AF-S TELECONVERTER TC-14E II
 Image quality: 12-bit RAW (NEF)
 Exposure: [M] mode, 1/2000 second, f/56
 White balance: Color Temp. (5000 K)
 Sensitivity: ISO 800
 Picture Control: Standard

- "The subject is sharply portrayed in a shallow depth of field, with a feather-soft foreground and spectacular bokeh in the background."
- Lens: AF-S NIKKOR 85mm f/1.8G Image quality: 14-bit RAW (NEF)
 Exposure: [M] mode, 1/250 second, f/2.8 White balance: Color Temp. (5000 K)
 Sensitivity: ISO 100 Picture Control: Standard © Hideki Kono

See how FX format impacts your photography

format

FX format makes a difference – here's how

The D610's FX-format CMOS image sensor will transport your photography to new heights. Boasting a larger pixel than you'll get in other formats with the same pixel count, it's able to capture more light. This technical advantage

has a huge impact on dynamic range and image quality at high ISOs, resulting in richer gradation and reduced noise. Having 24.3 megapixels at your disposal means more



flexibility when printing at large sizes and in cropping during post-production. FX format also offers shallow depth of field with beautiful bokeh, creating portraits with a new sense of depth - especially when used with fast FX NIKKOR prime lenses. With its FX-format sensor housed in a compact body, the D610 is a portable powerhouse. If you haven't experienced the difference of FX format, here's your chance.

4 key assets

Vital elements for a formidable machine: **FX-format sensor, EXPEED 3. Picture Control** and NIKKOR

The D610's innovative FX-format CMOS sensor, imageprocessing engine and lenses work together to deliver the exceptional quality you demand in your stills and videos. NIKKOR lenses realize the sensor's full potential, achieving

exquisite sharpness with minimized aberration, while rendering spectacular bokeh for a threedimensional look that's true-to-life. The D610 takes full advantage of Nikon's EXPEED 3, the same image-processing engine found in



CMOS sensor





the D4 and D800 series, meaning it can swiftly manage the large data files that an FX-format sensor produces. During image processing. Nikon's original Picture Control technology makes it simple to tailor the look and feel of your stills

and videos by fine-tuning their parameters using preset options. And with enhanced auto white balance accuracy for common shooting scenarios, the D610 reproduces colors naturally and precisely. These exclusive technologies produce

a guick, complete finish for your images that'll satisfy your photographic impulses. CONTROL



PICTURE

6-fps continuous shooting: FX-format quality at fullthrottle speed

It's easier than ever to nail key moments with the D610. The camera boasts even faster continuous shooting than its predecessor, at up to approx. 6 fps* in FX and DX formats – amazing when you consider that the former is recording 24.3 megapixels with each shot. That's thanks to the speed of the EXPEED 3 image-processing engine, and a standalone driving mechanism that drives the mirror independently.

* Based on CIPA Guidelines.



Qc shutter-release mode for quiet operation [NEW] The D610's new Qc (quiet continuous) shutter-release

mode reduces mirror noise while still offering up to 3 fps, for maximum discretion in situations such as ceremonies and school plays, or when taking pictures of wildlife and insects.







Indispensable features for FX-format imaging — and no compromises

Approx. 100% frame coverage



The bright, clear glass prism of the D610's optical viewfinder covers approx. 100% of the image area, an

invaluable asset for accurate framing. The approx. 0.7x* magnification - the same as the D4 and D800/D800E - means it's easy to see all the visual elements in the viewfinder, while the optional grid line display enhances composition for landscape and architecture photography.

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

39 focus points and f/8 compatibility

The D610's AF system gives you absolute confidence when capturing moving subjects by using 39 strategically placed focus points, with nine powerful cross-type sensors in the center to maintain accuracy even when light and contrast are low. Most impressively, you can still use seven active focus points when the effective aperture is as slow as f/8, with the telephoto lens attached via a teleconverter.







Compatible with f/5.6 Compatible with aperture Compatible with f/8

(Perform as cross-type sensors)

Double SD card slots



The D610's double SD card slots provide multiple options for recording and storing large files:

vou can write RAW and JPEG data to separate cards, copy from one card to another, or select a slot according to the remaining capacity during video shooting. The slots are UHS-I compatible, and can transfer data faster thanks to the camera's EXPEED 3 image-processing engine.

Dependable body and shutter



The D610's rugged body utilizes a durable magnesium alloy for the top and rear frames, and its weather-sealing

gives it the same dust- and moistureproof reliability as the D800 series. The shutter unit has been rigorously tested for 150,000 cycles on the body with the driving mechanism, so you can keep shooting for as long - or as hard - as your creativity demands.

Built-in flash to trigger remote Speedlights

The D610's built-in flash makes Advanced Wireless Lighting with Nikon Speedlights even easier and more portable. Turn the flash to commander mode and you can wirelessly trigger your remote Speedlights (SB-700 or SB-910) with ease, producing creative and comprehensive lighting that'll go wherever your imagination takes you.



Full HD D-Movie and time-lapse feature

The D610 can record 1080p Full HD video at 30p in H.264/MPEG-4 AVC, with a choice of both FX- and DX-based movie formats, plus comprehensive audio control including a dedicated stereo headphone connector. It enables you to watch simultaneous live view output on external monitors and record uncompressed video via HDMI. You can also create timelapse photography through simple menu operations, with no need for elaborate calculations and editing.





State-of-the-art NIKKOR lenses: maximizing the potential of FX format



AF-S NIKKOR 50mm f/1.8G

A compact, lightweight standard prime lens, with aspherical elements to correct aberration, vielding stunning sharpness and bokeh. The lens handles low-light situation especially well. Lends itself to virtually any subject matter - from portraits and still lifes to landscapes.



AF-S NIKKOR 85mm f/1.8G

A fast mid-range prime lens, delivering crisply sharp images from a surprisingly light and compact body. Take advantage of the impressive bokeh for creative portrait work



AF-S NIKKOR 18-35mm f/3.5-4.5G ED

A compact, lightweight zoom lens that complements the D610's agility. Incorporates multiple ED glass and aspherical lens elements for clear images with minimal aberration at a 0.28 m minimum focus distance, perfect for close-up nature photography.



AF-S NIKKOR 24-85mm f/3.5-4.5G ED VR

A compact and versatile lens that covers the most frequently used zoom range. The Vibration Reduction (VR) enhancement of up to 4.0 stops* improves your handheld capability, opening up a wide range of subject matter - from portraits and still lifes to landscapes.



AF-S NIKKOR 28-300mm f/3.5-5.6G ED VR

A versatile, high-powered 11x zoom lens with VR enhancement of up to 3.5 stops*. Delivers outstanding image integrity throughout the broad zoom range. Best suited for travel photography.



AF-S NIKKOR 70-200mm f/4G ED VR AF-S TELECONVERTER TC-20E III A telephoto zoom with impressive VR enhancement of up to 4.0 stops*,

offering increased opportunities for handheld shooting. Its 1.0 m minimum focus distance produces beautiful bokeh, while the Nano Crystal Coat minimizes flare and ghost. Most importantly, it produces convincing autofocus results even when used handheld with a 2x teleconverter at 400 mm and f/8. (See above for details.) Useful in a broad range of shooting scenarios, from action sports to candid portraits



AF-S NIKKOR 80-400mm f/4.5-5.6G ED VR

An agile 5x super-telephoto zoom lens with VR enhancement of up to 4.0 stops*. Boasts superior optical performance thanks to its one Super ED and four ED glass elements, and Nano Crystal Coat to reduce flare and ghost. Offers unparalleled image quality, especially for sports, wildlife and travel.

* Based on CIPA Standard. The value is achieved when attached to an FX-format digital SLR camera, with zoom set at the maximum telephoto position.

Nikon Digital SLR Camera D610 Specifications

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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) image areal, AI-P NIKKOR lenses, and non-CPU AI lenses (A and M modes only); IX-NIKKOR lenses, lenses for the F34A, and non AI lenses cannot be used; the electronic rangefinder can be used with lenses that have a maximum aperture of 1/5.6 or faster (the electronic rangefinder supports the center 7 for points with lenses that have a maximum aperture of 1/6 or faster) Electronically controlled vertical-travel focal-plane shutter 1/4,000 to 30 s in steps of 1/3 or 1/2 EV, bulb, time (requires optional MIL-13 Remote Control), X200 Elease modes Electronically controlled vertical-travel focal-plane shutter 1/4,000 to 30 s in steps of 1/3 or 1/2 EV, bulb, time (requires optional MIL-13 Remote Control), X200 Elease modes S (single frame), Cu (continuous low speed), Cu (continuous high speed), O (quiet shutter-releas Oc (quiet continuous shutter-release), © (self-timer) Approx. 1 to 5 fps (Cl.), approx. 6 fps (Ch) or 3 fps (Qc) 2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2 or 3 s Delayed remote, quick-response remote, remote mirror-up TIL exposure metering Metering method Autor (Enter-weighted: Weight of 75% givine to 12-mm circle in center of frame; diameter of circ can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (no CPU lenses us e12-mm circle or average) of entire frame (so up., Embosure metered on selected focus point (on center focus point when non-CPU lens is used to frame) centered on selected focus point (on center focus point when non-CPU lens is used with family and cape, \$\tilde{\text{ port matrix}} \tilde{\text{ port matrix}} \text{	Depth-of-field preview	Pressing depth-of-field preview button stops lens aperture down to value selected by user (A and M modes) or by camera (other modes)
apply to PC lenses), DX lenses [using DX (24×16) image area], AI-P NIKKOR lenses, and non-CPU All lenses (A and M modes 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/6.8 or faster and the center 37 focus points with lenses that have a maximum aperture of f/6.8 or faster and the center 33 focus points with lenses that have a maximum aperture of f/6.8 or faster and the center 33 focus points with lenses that have a maximum aperture of f/6.8 or faster and the center 33 focus points with lenses that have a maximum aperture of f/6.8 or faster and the center 33 focus points with lenses that have a maximum aperture of f/6.8 or faster and the center 33 focus points with lenses that have a maximum aperture of f/6.8 or faster and the center 33 focus points with lenses that have a maximum aperture of f/6.8 or faster and the center 33 focus points with lenses that have a maximum aperture of f/6.8 or faster and the center 33 focus points with lenses that have a maximum aperture of f/6.8 or faster and the center 33 focus points with lenses that have a maximum aperture of f/6.8 or faster and the center 34 focus points with lenses that have a maximum aperture of f/6.8 or faster and the center 34 focus points with lenses that have a maximum aperture of f/6.8 or slower (flash range drops at speeds between 1/200 and 1/250 s) Island sync speed X=1/200 s; synchronizes with shutter at 1/250 s or slower (flash range drops at speeds between 1/200 and 1/250 s) X=1/200 s; synchronizes with shutter at 1/250 s or slower (flash range drops at speeds between 1/200 and 1/250 s) X=1/200 s; synchronizes with shutter at 1/250 s or slower (flash range drops at speeds between 1/200 and 1/250 s) X=1/200 s; synchronizes with shutter at 1/250 s or slower (flash range drops at speeds between 1/200 and 1/250 s) X=1/200 s; synchronizes with shutter at 1/250 s or slower (flash range drops at speeds between 1/200 and 1/250 s) X=1/	Lens aperture	Instant return, electronically controlled
non-CPU Al lenses (A and M modes only); IX-MIKKOR lenses, lenses for the F3AF, and non Al lenses cannot be used: the electronic rangefinder can be used with lenses that nave a maximum aperture of f/6.6 or faster (the electronic rangefinder supports the center 7 focupoints with lenses that have a maximum aperture of f/6.8 or faster) Electronically controlled vertical-travel focal-plane shutter I/4,000 to 30 s in steps of 1/3 or 1/2 EV, bulb, time (requires optional ML-L3 Remote Control), X200 Iash sync speed I/2,000 s; synchronizes with shutter at 1/250 s or slower (flash range drops at speeds between 1/200 s; or shower (flash range drops at speeds between 1/200 s; or shower (flash range drops at speeds between 1/200 s; or shower (flash range drops at speeds between 1/200 s; or shower (flash range drops at speeds between 1/200 s; or shower (flash range drops at speeds between 1/200 s; or shower (flash range drops at speeds between 1/200 s; or shower (flash range drops at speeds between 1/200 s; or shower (flash range drops at speeds between 1/200 s; or shower (flash range drops at speeds between 1/200 s; or shower (flash range drops at speeds between 1/200 s; or shower (flash range drops at speeds between 1/200 s; or shower (flash range drops at speeds between 1/200 s; or shower (flash range drops at speeds between 1/200 s; or shower (flash range drops at speeds between 1/200 s; or shower (flash range drops at speeds between 1/200 s; or shower (flash speed), 0 (quiet shutter-release), 0 (self-timer), •• (remote control), MUP (mirror up Approx. 1 to 5 fps (Cu), approx. 6 fps (Cu) or 3 fps (Cu) or 3 so Delayed remote, 2 s. 5, s. 10 s. 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2 or 3 so Delayed remote, quick-response remote, remote mirror-up TTL exposure metering using 2.016-pixel RGB sensor TTL exposure metering using 2.016-pixel RGB sensor TTL exposure matrix metering 1 (type G, E and D lenses); color matrix metering 1 (other CPU lenses if user provides lens data echanged to 8, 15 or 20 mm, or weighti	Compatible lenses	
All 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 center 7 foct points with lenses that have a maximum aperture of f/8 or faster and the center 33 focus points with lenses that have a maximum aperture of f/6.8 or faster) Electronically controlled vertical-travel focal-plane shutter 1/4,000 to 30 s in steps of 1/3 or 1/2 EV, bulb, time (requires optional ML-L3 Remote Control), X200 X=1/200 s; synchronizes with shutter at 1/250 s or slower (flash range drops at speeds between 1/200 and 1/250 s) S (single frame), CL (continuous low speed), CH (continuous high speed), Q (quiet shutter-release), QS (self-timer), and (quiet continuous shutter-release), QS (self-timer), and (premote control), MUP (mirror up approximate), 1 to 5 fips (CL), approx. 6 fps (CH) or 3 fps (CL) S , 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2 or 3 s Delayed remote, quick-response remote, remote mirror-up **Exposure metering** Metering method **Matrix: 3D color matrix metering available with non-CPU lenses if user provides lens data and be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (no CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data and be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (no CPU lenses use 12-mm circle or average of entire frame) exposure meter of circle or average of entire frame). Metering range **Motival or centered on selected focus point (on center focus point when non-CPU lens is used what is a constructive or average of entire frame). **Matrix: or centere-weighted metering: 0 to 20 EV **Sposure meter coupling **Combined CPU and Al **Auto (?*) auto: Q** auto: [flash off]), scene (**) portrait; **D landscape, **S child. **s sports. **D clow of frame) cannot		
maximum aperture of f/5.6 or faster (the electronic rangefinder supports the center 7 focu points with lenses that have a maximum aperture of f/6 or faster and the center 33 focus points with lenses that have a maximum aperture of f/6 or faster) Shutter type		
points with lenses that have a maximum aperture of f/8 or faster and the center 33 focus points with lenses that have a maximum aperture of f/8.8 or faster) Electronically controlled vertical-travel focal-plane shutter 1/4,000 to 30 s in steps of 1/3 or 1/2 EV, bulb, time (requires optional ML-13 Remote Control), X200 Ilash sync speed X=1/200 s; synchronizes with shutter at 1/250 s or slower (flash range drops at speeds between 1/200 and 1/250 s) S (single frame), C (continuous low speed), C H (continuous high speed), Q (quiet shutter-release), Co (quiet continuous shutter-release), C (self-timer), enemote control), MUP (mirror up Approx. 1 to 5 fps (Cu), approx. 6 fps (Ch) or 3 fps (Cu). Self-timer 2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2 or 3 s Delayed remote, quick-response remote, remote mirror-up TTL exposure metering Metering method Auto: Metering range • Matrix: 30 color matrix metering lil (type G, E and D lenses); color matrix metering lil (other CPU lenses); color matrix metering lil (type G, E and D lenses); color matrix metering using 2.016-pixel RGB sensor • Matrix: 30 color matrix metering available with non-CPU lenses if user provides lens data • Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circ can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (no CPU lenses use 12-mm circle or average of entire frame) • Spot: Meters 4-mm circle (about 1.5 of frame) centerer coupling • Matrix or center-weighted metering: 0 to 20 EV Metering range • Matrix or center-weighted metering: 0 to 20 EV Spot metering: 2 to 20 EV Exposure modes Auto (\$\mathrew{\mathr		
points with lenses that have a maximum aperture of f/6.8 or faster) Electronically controlled vertical-travel focal-plane shutter (A) 400 to 30 is in steps of 1/3 or 1/2 EV, bulb, time (requires optional MI-L3 Remote Control), X200 X=1/200 s; synchronizes with shutter at 1/250 s or slower (flash range drops at speeds between 1/200 and 1/250 s) Selease modes S (single frame), C. (continuous low speed), CH (continuous high speed), Q (quiet shutter-release), S (self-timer), ™ (remote control), MUP (mirror up Approx. 1 to 5 fps (CL), approx. 6 fps (CH) or 3 fps (CD) Remote release modes Delayed remote, quick-response remote, remote mirror-up TTL exposure metering using 2,016-pixel RGB sensor Metering method Attrix: 3D color matrix metering available with non-CPU lenses if user provides lens data Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circ can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (no CPU lenses use 12-mm circle or average of entire frame) S 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 when you put it is a subject of frame) centered on selected focus point (on center focus point when non-CPU lens is used when you put it is a subject of the provint it is a subject of the provint it is a subject of the provint is used to 1/2 in a subject of the provint it is a subject of the provint is		
Electronically controlled vertical-travel focal-plane shutter 1/4,000 to 30 s in steps of 1/3 or 1/2 EV, bulb, time (requires optional ML-L3 Remote Control), X200 Elease modes Selease modes Selease modes Selease modes Seletimer Approx. 1 to 5 fps (Ct.), approx. 6 fps (Ct.) or 3 fps (Ct.) Seletimer advance rate Approx. 1 to 5 fps (Ct.), approx. 6 fps (Ct.) or 3 fps (Ct.) Seletimer advance metering Elevering method Approx. 1 to 5 fps (Ct.), approx. 6 fps (Ct.) or 3 fps (Ct.) Seletimer advance metering TIL exposure metering using 2,016-pixel RGB sensor • Matrix: 30 color matrix metering 11 (type G, E and D lenses); color matrix metering 11 (other CPU lenses) is color matrix metering available with non-CPU lenses if user provides lens data • Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circ can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (no CPU lenses use 12-mm circle or average of entire frame) • Matrix or center-weighted metering: 0 to 20 EV **xposure meter coupling Combined CPU and AI Auto (**) auto (*		
Shutter speed	Shutter type	·
X=1/200 s; synchronizes with shutter at 1/250 s or slower (flash range drops at speeds between 1/200 and 1/250 s) Release modes S (single frame), C. (continuous low speed), C. (continuous high speed), D (quiet shutter-releas Oc (quiet continuous shutter-release), S (self-timer), (remote control), MUP (mirror up Approx. 1 to 5 fps (Ct), approx. 6 fps (Ch) or 3 fps (Dc) Refi-timer Approx. 1 to 5 fps (Ct), approx. 6 fps (Ch) or 3 fps (Dc) Belayed remote, quick-response remote, remote mirror-up TTL exposure metering using 2,016-pixel RGB sensor Matrix: 3D color matrix metering II (type G, E and D lenses); color matrix metering II (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circ can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (no CPU lenses used 12-mm circle or average of entire frame) (spott. Meters 4-mm circle (about 13 of frame) centered on selected focus point (on center focus point when non-CPU lens is used 4-matrix or center-weighted metering: 0 to 20 EV Spot metering: 2 to 20 EV Spot metering: 2 to 20 EV Approx. 1 to 2 matrix metering: 2 to 20 EV Combined CPU and Al Auto (auto	Shutter speed	1/4,000 to 30 s in steps of 1/3 or 1/2 EV, bulb, time (requires optional ML-L3 Remote
S (single frame), CL (continuous low speed), CH (continuous high speed), Q (quiet shutter-release) C (quiet continuous shutter-release), O (self-timer), (remote control), MUP (mirror up Approx. 1 to 5 fps (CL), approx. 3 fps (CL) Self-timer S	Flash sync speed	X=1/200 s; synchronizes with shutter at 1/250 s or slower (flash range drops at speeds
Approx. 1 to 5 fps (CL), approx. 6 fps (CH) or 3 fps (CD) Self-timer 2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2 or 3 s Remote release modes Exposure metering Metering method **TL exposure metering using 2,016-pixel RGB sensor • Matrix: 30 color matrix metering II (type G, E and D lenses); color matrix metering II (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data • Center-weighted: Weight of 75% given to 12-mm circle in center of frame, diameter of circ can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (no CPU lenses use 12-mm circle or average of entire frame) • 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 * Matrix or center-weighted metering: 0 to 20 EV **Sposure meter coupling Combined CPU and AI **Exposure meter coupling Combined CPU and AI **Autol (**B* autol (**B* autol (**B*) au	Release modes	S (single frame), CL (continuous low speed), CH (continuous high speed), Q (quiet shutter-release),
Self-timer 2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2 or 3 s	F	
Delayed remote, quick-response remote, remote mirror-up TTL exposure metering using 2,016-pixel RGB sensor • Matrix: 3D color matrix metering available with non-CPU lenses; color matrix metering l1 (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data • Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circ can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (no CPU lenses use 12-mm circle or average of entire frame) • 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 the store of frame) centered on selected focus point (on center focus point when non-CPU lens is used with a frame) • Spot metering: 2 to 20 EV Exposure meter coupling Combined CPU and Al Auto (S auto (S auto (S auto (Bash off))), scene (S portrait, landscape, A child, s sports, down, landscape, l		
## Authors of the protrait and and authorises of the protrait and authorises of the provides and authorises of the protrait		
Matrix: 30 color matrix metering II (type G, E and D lenses); color matrix metering II (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data		
CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data • Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circ can be changed to 8, 15 or 20 mm, or weighting can be based on average of interesting can be changed to 8, 15 or 20 mm, or weighting can be based on average of the frame). Metering range * Matrix or center-weighted metering: 0 to 20 EV * 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 to 1.5 of frame). * Spot metering: 2 to 20 EV * Spot metering: 2 to 2		
CPU lenses use 12-mm circle or average of entire frame) • Spot: Meters 4-mm circle (about 1.5 of frame) centered on a selected focus point (on center focus point when non-CPU lens is used Matrix or center-weighted focus point (on center focus point when non-CPU lens is used when some content weighted focus point (on center focus point when non-CPU lens is used when some center weighted focus point (on center focus point when non-CPU lens is used when some center weighted focus point (on center focus point when non-CPU lens is used when some center focus point when non-CPU lens is used when some center focus point when non-CPU lens is used when some center focus point when non-CPU lens is used to frame center focus point when non-CPU lens is used to frame center focus point when non-CPU lens is used to frame center focus point when non-CPU lens is used to frame center focus point when non-CPU lens is used to frame center focus point when non-CPU lens is used to frame center focus point when non-CPU lens is used to frame center focus point when non-CPU lens is used to frame center focus point when non-CPU lens is used to frame the focus point when non-CPU lens is used to find the metring of 0 to 20 EV *Sposure compensation key.** **Sposure compensation compe		CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data • Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle
of frame) centered on selected focus point (on center focus point when non-CPU lens is used Metering range S0 100, 1/1.4 lens, 20°C/68°° P Exposure meter coupling Combined CPU and Al Auto [23 auto; ③ auto [16 ash off]), scene [25 portrait, a landscape, 45 child, 35 sports, 35 closs up, a light portrait, a landscape, 45 child, 35 sports, 35 closs up, a light portrait, a landscape, 45 child, 35 sports, 35 closs up, a light portrait, a landscape, 45 child, 35 sports, 35 closs up, a light portrait, a landscape, 45 child, 35 sports, 35 closs up, a light portrait, a landscape, 45 child, 35 sports, 35 closs up, a light portrait, a landscape, 45 child, 35 sports, 35 closs up, a light portrait, a landscape, 45 child, 35 sports, 35 closs up, a light portrait, a landscape, 45 child, 35 sports, 35 closs up, a light portrait, a landscape, 45 child, 35 sports, 35 closs up, a light landscape, 45 child, 35 sports, 35 closs up, a light landscape, 45 child, 35 sports, 35 closs up, a light landscape, 45 child, 35 sports, 35 closs, 45		
Matrix or center-weighted metering: 0 to 20 EV Spot meter coupling Combined CPU and AI Auto (常 auto; ② auto [flash off]), scene (≇ portrait, ☐ landscape, ④ child, ◄ sports, ④ clos up. ☐ night portrait, ☐ andlelight, ④ blossom, ④ autumn colors, If food, 益 silhouette, ☐ in key, ☐ low key), programmed auto with flexible program (P), shutter-priority auto (S), apertu priority auto (A), manual (M), U1 (user settings 1), U2 (user settings 2) Exposure compensation Exposure lock SO sensitivity SO sensitivity SO sensitivity SO sensitivity SO dequivalent) below ISO 100 or 6400 in steps of 1/3 or 1/2 EV can also be set to approx. 0.3, 0.5, 0.7 or 1 EV (IS Secommended Exposure Index) So equivalent) below ISO 100 or to approx. 0.3, 0.5, 0.7, 1 or 2 EV (ISO 25600 equivalent) above ISO 6400; auto ISO sensitivity control available Autofocus Nikon Multi-CAM 4800 autofocus sensor module with T1 phase detection, fine-tuning, 3 focus points (including 9 cross-type sensors; the center 33 points are available at apertur slower than f/5.6 and faster than f/8, while the center 7 points are available at f/8), and A assist illuminator (range approx. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.) **Autofocus Autofocus (AF): Single-servo AF (AF-S); continuous-servo AF (AF-C); auto AF-S/AF-C		
SO 100, V1.4 lens, 20°C/89°F) • Spot metering: 2 to 20 EV Exposure meter coupling Combined CPU and AI Exposure modes Auto (★ auto (★ auto) Auto (Auto) Auto (Auto) Auto (Auto) Auto (Auto) Auto (Auto) Auto (Auto) Auto (Aut	Metering range	
Exposure meter coupling Combined CPU and AI Auto [3] auto [4] auto (5) auto [6] au	(ISO 100, f/1.4 lens, 20°C/68°F)	
up, ☐ night portrait, ☐ night landscape, ☒ party/indoor, ♠ beach/snow, ☒ sunset, ☒ dusk, dawn, ৵ pet portrait, ₤ candlelight, ♠ blossom, ♠ autumn colors, If food, ☒ silhouette, ☐ hey, ☐ low key, □ low key low ke	Exposure meter coupling	
dawn, ¬¬ pet portrait, 2 candlelight, ¬¬ blossom, ¬¬ autumn colors, If food, △ silhouette, □ hev, □ low key), programmed auto with flexible program (P), shutter-priority auto (S), apertu priority auto (A), manual (M), U1 (seer settings 1), U2 (user settings 2) Can be adjusted by -5 to +5 EV in increments of 1/3 or 1/2 EV in P, S, A and M modes exposure bracketing 2 to 3 frames in steps of 1/3, 1/2, 2/3, 1, 2 or 3 EV Luminosity locked at detected value with AE-L/AF-L button ISO 100 to 6400 in steps of 1/3 or 1/2 EV, can also be set to approx. 0.3, 0.5, 0.7 or 1 EV (IS 0 cequivalent) below ISO 100 or to approx. 0.3, 0.5, 0.7, 1 or 2 EV (ISO 25600 equivalent) above ISO 6400; auto ISO sensitivity control available Auto, Extra high, High, Normal, Low, Off Auto focus Nikon Multi-CAM 4800 autofocus sensor module with TTL phase detection, fine-tuning, 3 focus points (including 9 cross-type sensors; the center 33 points are available at aperture slower than f/5.6 and faster than f/8, while the center 7 points are available at f/8), and A assist illuminator (range approx. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.) Detection range ens servo • Autofocus (AF): Single-servo AF (AF-S); continuous-servo AF (AF-C); auto AF-S/AF-C	Exposure modes	Auto (🖀 auto; ③ auto [flash off]), scene (℥ portrait, 🖃 landscape, ≨ child, 🕏 sports, 🛎 close
key, ■ low key), programmed auto with flexible program (P), shutter-priority auto (S), apertu priority auto (A), manual (M), U1 (user settings 1), U2 (user settings 2). Exposure compensation Exposure lock Styposure loc		
Exposure compensation Can be adjusted by -5 to -5 EV in increments of 1/3 or 1/2 EV in P, S, A and M modes Exposure bracketing 2 to 3 frames in steps of 1/3, 1/2, 2/3, 1, 2 or 3 EV Luminosity locked at detected value with AE-L/AF-L button SO sensitivity 1SO 100 to 6400 in steps of 1/3 or 1/2 EV; can also be set to approx. 0.3, 0.5, 0.7 or 1 EV (IS Determined Exposure Index) 50 equivalent) below ISO 100 or to approx. 0.3, 0.5, 0.7, 1 or 2 EV (ISO 25600 equivalent) above ISO 6400; auto ISO sensitivity control available Auto, Extra high, High, Normal, Low, Off Auto focus Nikon Multi-CAM 4800 autofocus sensors module with TTL phase detection, fine-tuning, 3 focus points (including 9 cross-type sensors; the center 37 points are available at aperture slower than f/5.6 and faster than f/8, while the center 7 points are available at f/8), and A assist illuminator (range approx. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.) Detection range -1 to +19 EV (ISO 100, 20°C/68°F) -Autofocus (AF): Single-servo AF (AF-S); continuous-servo AF (AF-C); auto AF-S/AF-C		key, 🔟 low key), programmed auto with flexible program (P), shutter-priority auto (S), aperture-
Exposure bracketing 2 to 3 frames in steps of 1/3, 1/2, 2/3, 1, 2 or 3 EV	Evnouiro cor	priority auto (A), manual (M), U1 (user settings 1), U2 (user settings 2)
Exposure lock Luminosity locked at detected value with AE-L/AF-L button ISO 100 to 6400 in steps of 1/3 or 1/2 EV; can also be set to approx. 0.3, 0.5, 0.7 or 1 EV (IS Recommended Exposure Index) 50 equivalent) below ISO 100 or to approx. 0.3, 0.5, 0.7, 1 or 2 EV (ISO 25600 equivalent) above ISO 6400; auto ISO sensitivity control available Auto, Extra high, High, Normal, Low, Off 2 frames using selected value for one frame or 3 frames using preset values for all frames Autofocus Nikon Multi-CAM 4800 autofocus sensor module with TTL phase detection, fine-tuning, 3 focus points (including 9 cross-type sensors; the center 33 points are available at apertur slower than f/5.6 and faster than f/8, while the center 7 points are available at f/8), and A assist illuminator (range approx. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.) Detection range -1 to +19 EV (ISO 100, 20°C/68°F) ens servo • Autofocus (AF): Single-servo AF (AF-S); continuous-servo AF (AF-C); auto AF-S/AF-C		2 to 3 frames in stens of 1/3 1/2 2/3 1 2 or 3 FV
SO sensitivity ISO 100 to 6400 in steps of 1/3 or 1/2 EV; can also be set to approx. 0.3, 0.5, 0.7 or 1 EV (Note the commended Exposure Index) 50 equivalent) below ISO 100 or to approx. 0.3, 0.5, 0.7, 1 or 2 EV (ISO 25600 equivalent) above ISO 6400; auto ISO sensitivity control available Auto, Extra high, High, Normal, Low, Off 2 frames using selected value for one frame or 3 frames using preset values for all frames Autofocus Nikon Multi-CAM 4800 autofocus sensor module with TTL phase detection, fine-tuning, 3 focus points (including 9 cross-type sensors; the center 33 points are available at aperture slower than f/5.6 and faster than f/8, while the center 7 points are available at f/8), and A assist illuminator (range approx. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.) Detection range -1 to +19 EV (ISO 100, 20°C/68°F) -Autofocus (AF): Single-servo AF (AF-S); continuous-servo AF (AF-C); auto AF-S/AF-C		
above ISO 6400; auto ISO sensitivity control available Auto, Extra high, High, Normal, Low, Off ADL bracketing Autofocus Autofoc	ISO sensitivity	ISO 100 to 6400 in steps of 1/3 or 1/2 EV; can also be set to approx. 0.3, 0.5, 0.7 or 1 EV (ISO
Auto, Extra high, High, Normal, Low, Off 2 frames using selected value for one frame or 3 frames using preset values for all frames Autofocus Nikon Multi-CAM 4800 autofocus sensor module with TTL phase detection, fine-tuning, 3 focus points (including 9 cross-type sensors; the center 33 points are available at aperture slower than f/5.6 and faster than f/8, while the center 7 points are available at f/8), and A assist illuminator (range approx. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.) Detection range ens servo • Autofocus (AF): Single-servo AF (AF-S); continuous-servo AF (AF-C); auto AF-S/AF-C	(Recommended Exposure Index)	50 equivalent) below ISO 100 or to approx. 0.3, 0.5, 0.7, 1 or 2 EV (ISO 25600 equivalent)
ADL bracketing 2 frames using selected value for one frame or 3 frames using preset values for all frames Nikon Multi-CAM 4800 autofocus sensor module with TTL phase detection, fine-tuning, 3 focus points (including 9 cross-type sensors; the center 33 points are available at aperturn slower than f/5.6 and faster than f/8, while the center 7 points are available at f/8), and A assist illuminator (range approx. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.) Detection range -1 to +19 EV (ISO 100, 20°C/68°F) ens servo • Autofocus (AF): Single-servo AF (AF-S); continuous-servo AF (AF-C); auto AF-S/AF-C	Active D-Lighting	
Autofocus Nikon Multi-CAM 4800 autofocus sensor module with TTL phase detection, fine-tuning, 3 focus points (including 9 cross-type sensors; the center 33 points are available at aperture slower than f/5.6 and faster than f/8, while the center 7 points are available at f/8), and A assist illuminator (range approx. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.) 1 to +19 EV (ISO 100, 20°C/68°F) ens servo • Autofocus (AF): Single-servo AF (AF-S); continuous-servo AF (AF-C); auto AF-S/AF-C	ADL bracketing	2 frames using selected value for one frame or 3 frames using preset values for all frames
slower than f/5.6 and faster than f/8, while the center 7 points are available at f/8), and A assist illuminator (range approx. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.) Detection range -1 to +19 EV (ISO 100, 20°C/68°F) ens servo • Autofocus (AF): Single-servo AF (AF-S); continuous-servo AF (AF-C); auto AF-S/AF-C	Autofocus	Nikon Multi-CAM 4800 autofocus sensor module with TTL phase detection, fine-tuning, 39 focus points (including 9 cross-type sensors; the center 33 points are available at apertures
assist illuminator (range approx. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.) Detection range -1 to +19 EV (ISO 100, 20°C/68°F) ens servo • Autofocus (AF): Single-servo AF (AF-S); continuous-servo AF (AF-C); auto AF-S/AF-C		slower than $f/5.6$ and faster than $f/8$, while the center 7 points are available at $f/8$, and AF-
ens servo • Autofocus (AF): Single-servo AF (AF-S); continuous-servo AF (AF-C); auto AF-S/AF-C		assist illuminator (range approx. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.)
	Detection range	
Selection (AE-A): predictive todis tracking activated automatically according to subject	Lens servo	
status • Manual focus (M): Electronic rangefinder can be used		

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Focus point AF-area modes	Can be selected from 39 or 11 focus points Single-point AF, 9-, 21- or 39-point dynamic-area AF, 3D-tracking, auto-area AF
Focus lock	Focus can be locked by pressing shutter-release button halfway (single-servo AF) or by
1 ocus lock	pressing AE-L/AF-L button
Built-in flash	智, 差, 备, 圆, 溪, ¥: Auto flash with auto pop-up
	P, S, A, M, 11: Manual pop-up with button release
Guide number	Approx. 12/39, 12/39 with manual flash (m/ft, ISO 100, 20°C/68°F)
Flash control	TTL: i-TTL flash control using 2,016-pixel RGB sensor is available with built-in flash and
	SB-910, SB-900, SB-800, SB-700, SB-600, SB-400 or SB-300; i-TTL balanced fill-flash for digital SLR is used with matrix and center-weighted metering, standard i-TTL flash for digital
	SLR with spot metering
Flash modes	Auto, auto with red-eye reduction, auto slow sync, auto slow sync with red-eye reduction,
	fill-flash, red-eye reduction, slow sync, slow sync with red-eye reduction, rear-curtain with
	slow sync, rear-curtain sync, off; auto FP high-speed sync supported
Flash compensation	-3 to +1 EV in increments of 1/3 or 1/2 EV
Flash bracketing	2 to 3 frames in steps of 1/3, 1/2, 2/3, 1, 2 or 3 EV
Flash-ready indicator	Lights when built-in flash or optional flash unit is fully charged; flashes after flash is fired at
Accessory shoe	full output ISO 518 hot-shoe with sync and data contacts and safety lock
Nikon Creative	Advanced Wireless Lighting supported with built-in flash, SB-910, SB-900, SB-800 or
Lighting System (CLS)	SB-700 as a master flash and SB-600 or SB-R200 as remotes, or SU-800 as commander;
gg =/=-=(===/	built-in flash can serve as master flash in commander mode; auto FP high-speed sync and
	modeling illumination supported with all CLS-compatible flash units except SB-400; Flash
	Color Information Communication and FV lock supported with all CLS-compatible flash units
Sync terminal	AS-15 Sync Terminal Adapter (available separately)
White balance	Auto (2 types), incandescent, fluorescent (7 types), direct sunlight, flash, cloudy, shade, preset
	manual (up to 4 values can be stored), choose color temperature (2,500 K to 10,000 K); all with
White belones breeketing	fine-tuning
White balance bracketing	2 to 3 frames in steps of 1, 2 or 3
Live view modes Live view lens servo	Live view photography (still images), movie live view (movies) • Autofocus (AF): Single-servo AF (AF-S); full-time servo AF (AF-F) • Manual focus (M)
AF-area modes	Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF
Autofocus	Contrast-detect AF anywhere in frame (camera selects focus point automatically when
	face-priority AF or subject-tracking AF is selected)
Movie metering	TTL exposure metering using main image sensor
Movie metering method	Matrix
Frame size (pixels)	• 1,920 × 1,080; 30p (progressive), 25p, 24p • 1,280 × 720; 60p, 50p, 30p, 25p
and frame rate	Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps
F1: (respectively; options support both ★ high and normal image quality
File format Video compression	MOV H.264/MPEG-4 Advanced Video Coding
Audio recording format	Linear PCM
Audio recording device	Built-in monaural or external stereo microphone; sensitivity adjustable
Maximum length	Approx. 29 min. 59 s (20 min. depending on frame size/rate and movie quality settings)
Other movie options	Index marking, time-lapse photography
Monitor	8-cm (3.2-in.), approx. 921k-dot (VGA), low-temperature polysilicon TFT LCD with approx.
	170° viewing angle, approx. 100% frame coverage, and automatic monitor brightness
	control using ambient brightness sensor
Playback	Full-frame and thumbnail (4, 9, 72 images or calendar) playback with playback zoom, movie
	playback, photo and/or movie slide shows, histogram display, highlights, photo information,
LICD	GPS data display and auto image rotation
USB HDMI output	Hi-Speed USB Type C mini-pin HDMI connector
Accessory terminal	Remote cord: MC-DC2 (available separately), GPS unit: GP-1/GP-1A (available separately)
Audio input	Stereo mini-pin jack (3.5-mm diameter; plug-in power supported)
Audio output	Stereo mini-pin jack (3.5-mm diameter)
Supported languages	Arabic, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French,
	German, Greek, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean, Norwegian,
	Polish, Portuguese (Portugal and Brazil), Romanian, Russian, Spanish, Swedish, Thai,
	Turkish, Ukrainian
Battery	One EN-EL15 Rechargeable Li-ion Battery
Battery pack	Optional MB-D14 Multi-Power Battery Pack with one EN-EL15 Rechargeable Li-ion Battery
AC adapter	or six AA 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. 141 × 113 × 82 mm/ 5.6 × 4.4 × 3.2 in. Approx. 950 g/1 lb 14.0 az with bettery and manage and but without body again approx. 750 g/
Weight	Approx. $850g/1$ lb 14.0 oz with battery and memory card but without body cap; approx. $760g/1$ lb 10.8 oz (camera body only)
Operating environment	Temperature: 0 to 40°C/32 to 104°F; humidity: 85% or less (no condensation)
Supplied accessories	EN-EL15 Rechargeable Li-ion Battery, MH-25 Battery Charger, DK-5 Eyepiece Cap, DK-21
(may differ by country or area)	Rubber Eyecup, UC-E15 USB Cable, AN-DC10 Camera Strap, BM-14 LCD Monitor Cover,
. , , ,	BF-1B Body Cap, BS-1 Accessory Shoe Cover, ViewNX 2 CD-ROM
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