Nikon D5500 DLSR Camera

Type	
Type	Single-lens reflex digital camera
Lens mount	Nikon F mount (with AF contacts)
Effective angle of view	Nikon DX format; focal length equivalent to approx. 1.5x that of lenses with FX-format angle of view
Effective pixels	
Effective pixels	24.2 million
Image sensor	
Image sensor	23.5 x 15.6 mm CMOS sensor
Total pixels	24.78 million
Dust-reduction system	Image Sensor Cleaning, Image Dust Off reference data (Capture NX-D software required)
Storage	
Image size (pixels)	6000 x 4000 [L] 4496 x 3000 [M] 2992 x 2000 [S]
File format	NEF (RAW): 12 or 14 bit, compressed JPEG: JPEG-Baseline compliant with fine (approx. 1:4), normal (approx. 1:8) or basic (approx. 1:16) compression NEF (RAW)+JPEG: Single photograph recorded in both NEF (RAW) and JPEG formats
Picture Control system	Standard, Neutral, Vivid, Monochrome, Portrait, Landscape, Flat; selected Picture Control can be modified; storage for custom Picture Controls
Media	SD (Secure Digital) and UHS-I compliant SDHC and SDXC memory cards
File system	DCF 2.0, DPOF, Exif 2.3, PictBridge

Viewfinder	
Viewfinder	Eye-level pentamirror single-lens reflex viewfinder
Frame coverage	Approx. 95% horizontal and 95% vertical
Magnification	Approx. 0.82x (50 mm f/1.4 lens at infinity, -1.0 m^{-1})
Eyepoint	17 mm (-1.0 m^{-1}; from center surface of viewfinder eyepiece lens)
Diopter adjustment	-1.7 to $+0.5 \text{ m}^{-1}$
Focusing screen	Type B BriteView Clear Matte Mark VII screen
Reflex mirror	Quick return
Lens aperture	Instant return, electronically controlled
Lens	
Compatible lenses	Autofocus is available with AF-S and AF-I lenses; autofocus is not available with other type G and D lenses, AF lenses (IX NIKKOR and lenses for the F3AF are not supported), and AI-P lenses; non-CPU lenses can be used in mode M, but the camera exposure meter will not function The electronic rangefinder can be used with lenses that have a maximum aperture of f/5.6 or faster
Shutter	
Type	Electronically controlled vertical-travel focal-plane shutter
Speed	1/4000 to 30 s in steps of 1/3 or 1/2 EV; Bulb; Time
Flash sync speed	X=1/200 s; synchronizes with shutter at 1/200 s or slower
Release	
Release mode	Single frame, continuous low, continuous high, quiet shutter release, self-timer, delayed remote; ML-L3, quick-response remote; ML-L3 Interval timer photography supported

Frame advance rate	Continuous low : Up to 3 fps Continuous high : Up to 5 fps (JPEG and 12-bit NEF/RAW) or 4 fps (14-bit NEF/RAW) Note: Frame rates assume continuous-servo AF, manual or shutter-priority auto exposure, a shutter speed of 1/250 s or faster, Release selected for Custom Setting a1 (AF-C priority selection), and other settings at default values
Self-timer	2 s, 5 s, 10 s, 20 s; 1 to 9 exposures
Exposure	
Metering	TTL exposure metering using 2016-pixel RGB sensor
Metering method	Matrix: 3D color matrix metering II (type G, E and D lenses); color matrix metering II (other CPU lenses) Center-weighted: Weight of 75% given to 8-mm circle in center of frame Spot: Meters 3.5-mm circle (about 2.5% of frame) centered on selected focus point
Range (ISO 100, f/1.4 lens, 20°C/68°F)	Matrix or center-weighted metering: 0 to 20 EV Spot metering: 2 to 20 EV
Exposure meter coupling	CPU
Exposure mode	Auto modes (auto; auto, flash off); programmed auto with flexible program (P); shutter-priority auto (S); aperture-priority auto (A); manual (M); scene modes (portrait; landscape; child; sports; close up; night portrait; night landscape; party/indoor; beach/snow; sunset; dusk/dawn; pet portrait; candlelight; blossom; autumn colors; food); special effects modes (night vision; super vivid; pop; photo illustration; toy camera effect; miniature effect; selective color; silhouette; high key; low key)
Exposure compensation	Can be adjusted by -5 to +5 EV in increments of 1/3 or 1/2 EV in P, S, A, M, SCENE and night vision modes
Exposure bracketing	3 shots in steps of 1/3 or 1/2 EV
Exposure lock	Luminosity locked at detected value with AE-L/AF-L button

ISO sensitivity (Recommended Exposure Index)	ISO 100 to 25600 in steps of 1/3 EV; auto ISO sensitivity control available
Active D-Lighting	Auto, extra high, high, normal, low, off
ADL bracketing	2 shots
Focus	
Autofocus	Nikon Multi-CAM 4800DX autofocus sensor module with TTL phase detection, 39 focus points (including 9 cross-type sensors), and AF-assist illuminator (range approx. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.)
Detection range	-1 to +19 EV (ISO 100, 20°C/68°F)
Lens servo	Autofocus (AF): Single-servo AF (AF-S); continuous-servo AF (AF-C); auto AF-S/AF-C selection (AF-A); predictive focus tracking activated automatically according to subject status Manual focus (MF): Electronic rangefinder can be used
Focus point	Can be selected from 39 or 11 focus points
AF-area mode	Single-point AF, 9-, 21- or 39-point dynamic-area AF, 3D-tracking, auto-area AF
Focus lock	Focus can be locked by pressing shutter-release button halfway (single-servo AF) or by pressing AE-L/AF-L button
Flash	
Built-in flash	Auto, portrait, child, close-up, night portrait, party/indoor, pet portrait, vivid, pop, photo illustration, toy camera effect: Auto flash with auto pop-up P, S, A, M, food: 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 2016-pixel RGB sensor is available with built-in flash; 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 mode	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
Flash compensation	Can be adjusted by -3 to +1 EV in increments of 1/3 or 1/2 EV in P, S, A, M and SCENE modes
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)	Advanced Wireless Lighting supported with SB-910, SB-900, SB-800, SB-700 or SB-500 as a master flash or SU-800 as commander; Flash Color Information Communication supported with all CLS-compatible flash units
Sync terminal	AS-15 Sync Terminal Adapter (available separately)
White balance	
White balance	Auto, incandescent, fluorescent (7 types), direct sunlight, flash, cloudy, shade, preset manual, all except preset manual with fine-tuning
White balance bracketing	3 shots in steps of 1
Live view	
Lens servo	Autofocus (AF): Single-servo AF (AF-S); full-time-servo AF (AF-F) Manual focus (MF)
AF-area mode	Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF
Autofocus	Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected)
Automatic scene selection	Available in auto and auto flash off modes

Movie	
Metering	TTL exposure metering using main image sensor
Metering method	Matrix
Frame size (pixels) and frame rate	1920 x 1080, 60p (progressive)/50p/30p/25p/24p, ★high/normal 1280 x 720, 60p/50p, ★high/normal 640 x 424, 30p/25p, ★high/normal Frame rates of 30p (actual frame rate 29.97 fps) and 60p (actual frame rate 59.94 fps) are available when NTSC is selected for video mode; 25p and 50p are available when PAL is selected for video mode; actual frame rate when 24p is selected is 23.976 fps
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
Maximum length	29 min. 59 s (20 min. in 1920 x 1080; 60p/50p, 3 min. in miniature effect mode)
ISO sensitivity	ISO 100 to 25600
Monitor	
Monitor	8.1-cm/3.2-in. (3:2), approx. 1037k-dot (720 x 480 x 3 =1036800 dots), TFT vari-angle LCD touch screen with 170° viewing angle, approx. 100% frame coverage, brightness adjustment and eye-sensor controlled on/off
Playback	
Playback	Full-frame and thumbnail (4, 12 or 80 images or calendar) playback with playback zoom, movie playback, photo and/or movie slide shows, histogram display, highlights, photo information, location data display, auto image rotation, picture rating and image comment (up to 36 characters)

Interface	
USB	Hi-Speed USB; connection to built-in USB port is recommended
Video output	NTSC, PAL
HDMI output	Type C HDMI connector
Accessory terminal	Wireless remote controllers: WR-1, WR-R10 (available separately) Remote cord: MC-DC2 (available separately) GPS units: GP-1/GP-1A (available separately)
Audio input	Stereo mini-pin jack (3.5-mm diameter); supports optional ME-1 Stereo Microphone

Wireless	
Standards	IEEE 802.11b, IEEE 802.11g
Communications protocols	IEEE 802.11b: DSSS/CCK IEEE 802.11g: OFDM
Operating frequency	2412 to 2462 MHz (channels 1 to 11)
Range (line of sight)	Approx. 30 m/98 ft (assumes no interference; range may vary with signal strength and presence or absence of obstacles)
Data rate	54 Mbps; maximum logical data rates according to IEEE standard; actual rates may differ
Security	Authentication: Open system, WPA2-PSK Encryption: AES
Wireless setup	Supports WPS
Access protocols	Infrastructure

Supported languages	
Supported languages	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
Power source	
Battery	One EN-EL14a Rechargeable Li-ion Battery
AC adapter	EH-5b AC Adapter; requires EP-5A Power Connector (available separately)
Tripod socket	
Tripod socket	1/4 in. (ISO 1222)
Dimensions / weight	
Dimensions (W x H x D)	Approx. 124 x 97 x 70 mm/4.9 x 3.9 x 2.8 in.
Weight	Approx. 470 g/1 lb 0.6 oz with battery and memory card but without body cap; approx. 420 g/1 lb 14.9 oz (camera body only)
Operating environment	
Operating environment	Temperature: 0 to 40°C/32 to 104°F; humidity: 85% or less (no condensation)
Accessories	
Supplied accessories (may differ by country or area)	EN-EL14a Rechargeable Li-ion Battery, MH-24 Battery Charger, DK-25 Rubber Eyecup, UC-E23 USB Cable, EG-CP16 Audio/Video Cable, AN-DC3 Camera Strap, BF-1B Body Cap

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