

Nikon D5600



Tech Specs

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

Image sensor :DX, CMOS, 23.5 mm x 15.6 mm

Total pixels :24.78 million

Dust-reduction system :Image sensor cleaning, Image Dust Off reference data (Capture NX-D software required)

Effective pixels :24.2 million

Image size (pixels) :(L) 6000 x 4000, (M) 4496 x 3000, (S) 2992 x 2000

Storage file formats :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

Storage media :SD, SDHC (UHS-I compliant), SDXC (UHS-I compliant)

Card slot :1 Secure Digital (SD) card

File system :DCF 2.0, Exif 2.3, PictBridge

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 m-1

Focusing screen :Type B BriteView Clear Matte Mark VII screen

Reflex mirror :Quick return

Lens aperture :Instant return, electronically controlled

Shutter type :Electronically-controlled vertical-travel focal-plane shutter

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 mode :S (single frame), CL (continuous low speed), CH (continuous high speed), Q (quiet shutter-release), Self-timer; interval timer photography supported

Frame advance rate :Up to 5 fps, CL: Up to 3 fps CH: 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 metering: 3D color matrix metering II (type G, E, and D lenses); color matrix metering II (other CPU lenses). Center-weighted metering: Weight of 75% given to 8-mm circle in center of frame. Spot metering: Meters 3.5-mm circle (about 2.5% of frame) centered on selected focus point

Metering range (ISO 100, f/1.4 lens, 20 °C/68 °F): Matrix or center-weighted metering: 0–20 EV. Spot metering: 2–20 EV

Exposure meter coupling: CPU

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 +5EV, in steps of 1/3 or 1/2 EV, in P, S, A, M, SCENE, and night vision modes

Exposure lock :Luminosity locked at detected value with AE-L/AF-L button

ISO sensitivity :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

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.). Autofocus is available with AF-S, AF-P, and AF-I lenses.

Detection range :–1 to +19 EV (ISO 100, 20 °C/68 °F)

Lens servo :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 points :39, can be selected from 39 or 11 focus points

AF-area mode :Single-point AF, 9-, 21-, or 39- point dynamic-area AF, 3D-tracking, auto-area AF

Focus lock :Focus can be locked by pressing shutter-release button halfway (single-servo AF) or by pressing AE-L/AF-L button

Built-in flash:Auto, portrait, child, close up, night portrait, party/indoor, pet portrait, super 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 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

Flash compensation:-3 to +1 EV in steps 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:Nikon CLS supported

Sync terminal:AS-15 sync terminal adapter (available separately)

White balance:Auto, incandescent, fluorescent (7 types), direct sunlight, flash, cloudy, shade, preset manual, all except preset manual with fine-tuning.

Bracketing types: Exposure, White balance, ADL

Live view - lens servo

Autofocus (AF): Single-servo AF (AF-S), full-time-servo AF (AF-F); Manual focus (MF)

Live view - AF-area mode

Face-priority AF, Wide-area AF, Normal-area AF, Subject-tracking AF

Live view - autofocus

Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected)

Live View - automatic scene selection

Available in auto and auto flash off modes

Movie –metering

TTL exposure metering using main image sensor

Movie - metering method

Matrix

Movie - frame size (pixels) and frame rate: 1920 x 1080; 60p (progressive), 50p, 30p, 25p, 24p; 1280 x 720; 60p, 50p, actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both high and normal image quality

Movie - file format: MOV

Movie - video compression: H.264/MPEG-4 Advanced Video Coding

Movie - audio recording format: Linear PCM

Movie - audio recording device: Built-in or external stereo microphone; sensitivity adjustable

Movie - ISO sensitivity: ISO 100 to 25600

Other options:Time-lapse movies

Monitor:8.1 cm (3.2-in.) diagonal; TFT vari-angle LCD touch screen with 170 ° viewing angle, approx. 100% frame coverage, brightness adjustment, and eye-sensor controlled on/off; Approx. 1037k-dot (720 x 480 x 3 = 1,036,800 dots)

Playback:Full-frame and thumbnail (4, 12, or 80 images or calendar) playback with playback zoom, playback zoom cropping, playback face 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)

USB:Hi-Speed USB, with Micro-USB connector; connection to built-in USB port is recommended

HDMI output:Type C HDMI connector

Audio input:Stereo mini-pin jack (3.5 mm diameter); supports optional ME-1 stereo microphones

Accessory terminal(s):Wireless remote controllers: WR-1, WR-R10 (available separately).

Remote cords: MC-DC2 (available separately). GPS units: GP-1/GP-1A (available separately)

Wi-Fi (Wireless LAN) standards:IEEE 802.11b, IEEE 802.11g

Wi-Fi (Wireless LAN) operating frequency:2412 to 2462 MHz (channels 1 to 11)

Wi-Fi (Wireless LAN) security:Authentication: Open system, WPA2-PSK

Wi-Fi (Wireless LAN) range (line of sight):Approximately 10 m (32 ft) without interference; range may vary with signal strength and presence or absence of obstacles

NFC - Operation:NFC Forum Type 3 Tag

Bluetooth standards:Bluetooth Specification Version 4.1

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

Battery:One EN-EL14a rechargeable Li-ion battery

AC adapter:EH-5b AC adapter; requires EP-5A power connector (available separately)

Tripod socket:1/4-in. (ISO 1222)

Dimensions (W x H x D):Approx. 124 x 97 x 70 mm (4.9 x 3.9 x 2.8 in.)

Weight:Approx. 465 g (1 lb 0.4 oz), with battery and memory card but without body cap; approx. 415 g/14.7 oz (camera body only)

Operating environment – temperature: Temperature: 0 °C to 40 °C (+32 °F to 104 °F)

Operating environment – humidity: Humidity: 85% or less (no condensation)

Supplied accessories:DK-25 rubber eyecup, BF-1B body cap, EN-EL14a rechargeable Li-ion battery (with terminal cover), AN-DC3 strap, MH-24 battery charger (plug adapter supplied in countries or regions where required; shape depends on country of sale)

Unless otherwise stated, all measurements are performed in conformity with Camera and Imaging Products Association (CIPA) standards or guidelines.

- All figures are for a camera with a fully-charged battery.
- Nikon reserves the right to change the appearance and specifications of the hardware and software described in these specifications at any time and without prior notice. Nikon will not be held liable for damages that may result from any mistakes that these specifications may contain.