

Nikon D3500 Specifications

Tripod socket

1/4-in. (ISO 1222)

Picture Control System

Standard, Neutral, Vivid, Monochrome, Portrait, Landscape, Flat; selected Picture Control can be modified

Sync terminal

AS-15 sync terminal adapter (available separately)

Viewfinder

Eye-level pentamirror single-lens reflex viewfinder

Operating environment - temperature

0 °C to 40 °C (+32 °F to 104 °F)

Storage file formats

NEF (RAW): 12 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

Flash sync speed

X=1/200 s; , synchronizes with shutter at 1/200 s or slower

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

11, Can be selected from 11 focus points

Live View - automatic scene selection

Available in auto and auto, flash off modes

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

Live view - lens servo

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

Frame advance rate

Up to 5 fps; Note: Frame rates assume manual focus, manual or shutter-priority auto exposure, a shutter speed of 1/250 s or faster, and other settings at default values.

Release mode

S (single frame), Continuous, QC (quiet continuous shutter-release), Self-timer

Battery

One EN-EL14a rechargeable Li-ion battery

Flash control

TTL: i-TTL flash control using 420-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

Movie - audio recording format

Linear PCM

Accessory shoe

ISO 518 hot-shoe with sync and data contacts and safety lock

Movie - metering method

Matrix

Operating environment - humidity

85% or less (no condensation)

Live view - AF-area mode

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

Movie - video compression

H.264/MPEG-4 Advanced Video Coding

Exposure compensation

Can be adjusted by -5 to $+5$ EV, in increments of $1/3$ EV, in P, S, A, M, scene, and night vision modes

Storage media

SD, SDHC (UHS-I compliant), SDXC (UHS-I compliant)

Total pixels

24.78 million

Movie - audio recording device

Built-in monaural microphone; sensitivity adjustable

Eyepoint

18 mm (-1.0 m $^{-1}$; from center surface of viewfinder eyepiece lens)

ISO sensitivity

ISO 100 to 25600, in steps of 1 EV, Auto ISO sensitivity control available

Image size (pixels)

(L) 6000 x 4000 (24.0 million), (M) 4496 x 3000 (13.5 million), (S) 2992 x 2000 (6.0 million)

Guide Number

Approx. 7/22, 8/26 with manual flash (m/ft, ISO 100, 20 °C/68 °F)

Focusing screen

Type B BriteView Clear Matte Mark VII screen

Built-in flash

Auto, portrait, close up, night portrait, super vivid, pop, photo illustration, toy camera effect: Auto flash with auto pop-up; P, S, A, M: Manual pop-up with button release

Weight

Approx. 415 g (14.7 oz), with battery and memory card but without body cap; approx. 365 g/12.9 oz (camera body only)

Card slot

1 Secure Digital (SD) card

Dimensions (W x H x D)

Approx. 124 x 97 x 69.5 mm (4.9 x 3.9 x 2.8 in.)

Effective angle of view

Nikon DX format; focal length equivalent to approx. 1.5x that of lenses with FX format angle of view

Flash-ready indicator

Lights when built-in flash or optional flash unit is fully charged; flashes after flash is fired at full output

Exposure metering

TTL exposure metering using 420-pixel RGB sensor

Image sensor

DX, CMOS, 23.5 mm x 15.6 mm

AF-area mode

Single-point AF, dynamic-area AF, auto-area AF, 3D-tracking (11 points)

Autofocus

Nikon Multi-CAM 1000 autofocus sensor module with TTL phase detection, 11 focus points (including one cross-type sensor), and AF-assist illuminator (range approx. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.)

Shutter speed

1/4000 to 30 s, in steps of 1/3 EV; Bulb; Time

Metering 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

Self-timer

2 s, 5 s, 10 s, 20 s; 1 to 9 exposures

Active D-Lighting

On, off

Bluetooth standards

Bluetooth Specification Version 4.1; Bluetooth: 2402 to 2480 MHz, Bluetooth Low Energy: 2402 to 2480 MHz; 1.2 dBm (EIRP); Approximately 10 m (32 ft) without interference, range may vary with signal strength and presence or absence of obstacles

Exposure meter coupling

CPU

Supplied accessories

AN-DC3 Strap, DK-25 Rubber Eyecup (comes attached to camera), BF-1B Body Cap, EN-EL14a Rechargeable Li-ion Battery (with terminal cover), MH-24 Battery Charger (plug adapter supplied in countries or regions where required; shape depends on country of sale)

Focus lock

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

Live view - autofocus

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

Monitor

7.5-cm (3-in.) diagonal; TFT LCD with 170° viewing angle, approx. 100% frame coverage, and brightness adjustment; Approx. 921k-dot (VGA)

Flash compensation

Can be adjusted by -3 to +1 EV in steps of 1/3 EV, in P, S, A, M, and scene modes

Movie - metering

TTL exposure metering using main image sensor

Movie - file format

MOV

Magnification

Approx. 0.85 x (50 mm f/1.4 lens at infinity, -1.0 m^{-1})

Lens mount

Nikon F mount (with AF contacts)

Shutter type

Electronically-controlled vertical-travel focal-plane shutter

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

Detection range

-1 to +19 EV (ISO 100, 20 °C/68 °F)

USB

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

Frame coverage

Approx. 95% horizontal and 95% vertical

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; sports; close up; night portrait); special effects modes (night vision; super vivid; pop; photo illustration; toy camera effect; miniature effect; selective color; silhouette; high key; low key)

Nikon Creative Lighting System

i-TTL flash control, Color Information Communication, AF-assist for multi-area AF

Playback

Full-frame and thumbnail (4, 9, or 72 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)

Reflex mirror

Quick return

Effective pixels

24.2 million

Dust-reduction system

Image Dust Off reference data (Capture NX-D software required)

AC adapter

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

Metering method

Matrix metering: 3D color matrix metering II; 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

White balance

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

HDMI output

Type C HDMI connector

Type

Single-lens reflex digital camera

File system

DCF 2.0, Exif 2.3, PictBridge

Diopter adjustment

-1.7 to +0.5 m⁻¹

Movie - ISO sensitivity

ISO 100 to 25600

Lens aperture

Instant return, electronically controlled

Exposure lock

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