

Nikon D750

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| | Type |
| Type | Single-lens reflex digital camera |
| Lens mount | Nikon F mount (with AF coupling and AF contacts) |
| Effective angle of view | Nikon FX format |
| | Effective pixels |
| Effective pixels | 24.3 million |
| | Image sensor |
| Image sensor | 35.9 x 24.0 mm CMOS sensor |
| Total pixels | 24.93 million |
| Dust-reduction system | Image sensor cleaning, Image Dust Off reference data (optional Capture NX-D software required) |
| | Storage |
| Image size (pixels) | <ul style="list-style-type: none">• FX (36x24) image area: 6016 x 4016 [L], 4512 x 3008 [M], 3008 x 2008 [S]• 1.2x (30x20) image area: 5008 x 3336 [L], 3752 x 2504 [M], 2504 x 1664 [S]• DX (24x16) image area: 3936 x 2624 [L], 2944 x 1968 [M], 1968 x 1312 [S]• FX-format photographs taken in movie live view: 6016 x 3376 [L], 4512 x 2528 [M], 3008 x 1688 [S]• DX-format photographs taken in movie live view: 3936 x 2224 [L], 2944 x 1664 [M], 1968 x 1112 [S] Note: Photographs taken in movie live view have an aspect ratio of 16:9; the camera offers a choice of DX- and FX-based formats |
| File format | <ul style="list-style-type: none">• NEF (RAW): 12 or 14 bit, lossless compressed or compressed• JPEG: JPEG-Baseline compliant with fine (approx. 1:4), normal (approx. 1:8) or basic (approx. 1:16) compression (Size priority); Optimal quality compression available• 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 |
| Double card slots | Slot 2 can be used for overflow or backup storage or for separate storage of copies created using NEF+JPEG; pictures can be copied between cards |

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| File system | DCF 2.0, DPOF, Exif 2.3, PictBridge |
| Viewfinder | |
| Viewfinder | Eye-level pentaprism single-lens reflex viewfinder |
| Frame coverage | <ul style="list-style-type: none"> • FX (36x24): Approx. 100% horizontal and 100% vertical • 1.2x (30x20): Approx. 97% horizontal and 97% vertical • DX (24x16): Approx. 97% horizontal and 97% vertical |
| Magnification | Approx. 0.7x (50 mm f/1.4 lens at infinity, -1.0 m^{-1}) |
| Eyepoint | 21 mm (-1.0 m^{-1} ; from center surface of viewfinder eyepiece lens) |
| Diopter adjustment | -3 to $+1 \text{ m}^{-1}$ |
| Focusing screen | Type B BriteView Clear Matte Mark III screen with AF area brackets (framing grid can be displayed) |
| Reflex mirror | Quick return |
| Depth-of-field preview | Pressing Pv button stops lens aperture down to value selected by user (A and M modes) or by camera (other modes) |
| Lens aperture | Instant return, electronically controlled |
| Lens | |
| Compatible lenses | Compatible with AF NIKKOR lenses, including type G, E and D lenses (some restrictions apply to PC lenses) and DX lenses (using DX (24x16) 1.5x image area), AI-P NIKKOR lenses, and non-CPU AI 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/5.6 or faster (the electronic rangefinder supports the 11 focus points with lenses that have a maximum aperture of f/8 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, X200 |
| Flash 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) |
| Release | |
| Release mode | S (single frame), CL (continuous low speed), CH (continuous high speed), Q (quiet shutter-release), QC (quiet continuous shutter-release), Self-timer, MUP (mirror up) |
| Frame advance rate | 1 to 6 fps (CL), 6.5 fps (CH) or 3 fps (QC) |
| 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 control modes (ML-L3) | Delayed remote, quick-response remote, remote mirror-up |
| Exposure | |
| Metering | TTL exposure metering using RGB sensor with approx. 91K (91000) pixels |
| Metering method | <ul style="list-style-type: none"> • Matrix: 3D color matrix metering III (type G, E and D lenses); |

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| | color matrix metering III (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data |
| | <ul style="list-style-type: none"> • Center-weighted: Weight of approx. 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15, or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12-mm circle) • 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) • Highlight-weighted: Available with type G, E and D lenses; equivalent to center-weighted when other lenses are used • Matrix, center-weighted or highlight-weighted metering: 0 to 20 EV • Spot metering: 2 to 20 EV |
| Range (ISO 100, f/1.4 lens, 20°C/68°F) | |
| Exposure meter coupling | Combined CPU and AI |
| Exposure mode | Auto modes (auto; auto [flash off]); 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; color sketch; miniature effect; selective color; silhouette; high key; low key); programmed auto with flexible program (P); shutter-priority auto (S); aperture-priority auto (A); manual (M); U1 (user settings 1); U2 (user settings 2) |
| 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 | 2 to 9 frames in steps of 1/3, 1/2, 2/3 or 1 EV; 2 to 5 frames in steps of 2 or 3 EV |
| Exposure lock | Luminosity locked at detected value with AE-L/AF-L button |
| ISO sensitivity (Recommended Exposure Index) | ISO 100 to 12800 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 50 equivalent) below ISO 100 or to approx. 0.3, 0.5, 0.7, 1 or 2 EV (ISO 51200 equivalent) above ISO 12800; auto ISO sensitivity control available |
| Active D-Lighting | Auto, extra high, high, normal, low, off |
| ADL bracketing | 2 frames using selected value for one frame or 3 to 5 frames using preset values for all frames |
| | Focus |
| Autofocus | Nikon Advanced Multi-CAM 3500 II autofocus sensor module with TTL phase detection, fine-tuning, 51 focus points (including 15 cross-type sensors; f/8 supported by 11 sensors), and AF-assist illuminator (range approx. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.) |

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| Detection range | -3 to +19 EV (ISO 100, 20°C/68°F) |
| Lens servo | <ul style="list-style-type: none"> 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 (M): Electronic rangefinder can be used |
| Focus point | Can be selected from 51 or 11 focus points |
| AF-area mode | Single-point AF; 9-, 21- or 51-point dynamic-area AF, 3D-tracking, group-area AF, 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, color sketch: 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 RGB sensor with approx. 91K (91000) pixels is available with built-in flash; i-TTL balanced fill-flash for digital SLR is used with matrix, center-weighted and highlight-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; 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 9 frames in steps of 1/3, 1/2, 2/3 or 1 EV; 2 to 5 frames in steps of 2 or 3 EV |
| 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) | Nikon CLS supported; commander mode option available |
| Sync terminal | AS-15 Sync Terminal Adapter (available separately) |
| White balance | |
| White balance | Auto (2 types), incandescent, fluorescent (7 types), direct sunlight, flash, cloudy, shade, preset manual (up to 6 values can be stored, spot white balance measurement available during live view), choose color temperature (2500 K to 10000 K), all with fine-tuning |
| White balance bracketing | 2 to 3 frames in steps of 1, 2 or 3 |
| Live view | |
| Live view mode | Live view photography (still images), movie live view (movies) |
| Lens servo | <ul style="list-style-type: none"> Autofocus (AF): Single-servo AF (AF-S); full-time servo AF |

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| | (AF-F) |
| | <ul style="list-style-type: none"> • Manual focus (M) |
| 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) |
| | Movie |
| Metering | TTL exposure metering using main image sensor |
| Metering method | Matrix, center-weighted or highlight-weighted |
| | <ul style="list-style-type: none"> • 1920 x 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 x 720; 60p, 50p |
| Frame size (pixels) and frame rate | 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 |
| 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 (10 or 20 min. depending on frame size/rate and movie quality settings) |
| Other movie options | Index marking, time-lapse photography |
| | Monitor |
| Monitor | 8-cm/3.2-in., approx. 1229 k-dot (VGA; 640 x RGBW x 480 = 1,228,800 dots), low-temperature polysilicon tilting TFT LCD monitor with approx. 170° viewing angle, approx. 100% frame coverage and brightness and angle adjustment |
| | Playback |
| Playback | Full-frame and thumbnail (4, 9 or 72 images or calendar) playback with playback zoom, movie playback, photo and/or movie slide shows, histogram display, highlights, photo information, location data display and auto image rotation |
| | Interface |
| USB | Hi-Speed USB; connection to built-in USB port is recommended |
| HDMI output | Type C HDMI connector |
| Accessory terminal | Wireless remote controllers: WR-1 and WR-R10, Remote cord: MC-DC2, GPS unit: GP-1/GP-1A (all 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) |
| | Wireless |
| Standards | IEEE 802.11b, IEEE 802.11g |

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| Communications protocols | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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-EL15 Rechargeable Li-ion Battery |
| Battery pack | Optional MB-D16 Multi-Power Battery Pack with one EN-EL15 Rechargeable Li-ion Battery or six R6/AA-size alkaline, Ni-MH or lithium batteries |
| AC adapter | EH-5b AC Adapter; requires EP-5B Power Connector (available separately) |
| Tripod socket | |
| Tripod socket | 1/4 in. (ISO 1222) |
| Dimensions / weight | |
| Dimensions (W x H x D) | Approx. 140.5 x 113 x 78 mm/5.6 x 4.5 x 3.1 in. |
| Weight | Approx. 840 g/1 lb 13.7 oz with battery and memory card but without body cap; approx. 750 g/1 lb 10.5 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-EL15 Rechargeable Li-ion Battery, MH-25a Battery Charger, UC-E17 USB Cable, AN-DC14 Camera Strap, BF-1B Body Cap, DK-5 Eyepiece Cap, DK-21 Rubber Eyecup, ViewNX 2 CD-ROM |
| | <ul style="list-style-type: none"> • The SD, SDHC and SDXC logos are trademark of the SD Card Association. • PictBridge is a trademark. |

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