

Nikon D7000

Nikon Camera



Tool Type: Imaging

Location: Elings 3430

Description: Camera

Manufacturer: Nikon

1/5/23 Haley

About

Single-lens reflex digital camera.

Please ask staff for help if you want to use this camera.

Detailed Specifications

- Effective pixels: 16.2 million
- Total pixels: 16.9 million
- Image sensor: 23.6 × 15.6 mm CMOS sensor
- Image size (pixels): 4,928 × 3,264 (L); 3,696 × 2,448 (M); 2,464 × 1,632 (S)
- File format: **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
- Media: SD (Secure Digital), SDHC, and SDXC memory cards. 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.
- Magnification: Approx. 0.94 × (50 mm f/1.4 lens at infinity, -1.0 m-1)
- Eyepoint: 19.5 mm (-1.0 m-1)
- Diopter adjustment: -3-+1 m-1
- Shutter speed: 1/8000 - 30 s in steps of 1/3 or 1/2 EV, bulb, time (requires optional ML-L3

remote control), X250

- Flash sync speed: $X=1/250$ s; synchronizes with shutter at $1/320$ s or slower (flash range drops at speeds between $1/250$ and $1/320$ s)
- Detection range: -1 – $+19$ EV (ISO 100, 20 °C/ 68 °F)
- Focus point: Can be selected from 39 or 11 focus points
- Flash compensation: -3 – $+1$ EV in increments of $1/3$ or $1/2$ EV
- Interface: USB; NTSC, PAL video output; Type C mini-pin HDMI connector; Stereo mini-pin jack (3.5 mm diameter) audio input
- Battery: rechargeable Li-ion EN-EL15 battery

Compatible lenses

- DX AF NIKKOR: All functions supported
- Type G or D AF NIKKOR: All functions supported (PC Micro-NIKKOR does not support some functions). IX NIKKOR lenses not supported
- Other AF NIKKOR: All functions supported except 3D color matrix metering II. Lenses for F3AF not supported;
- AI-P NIKKOR: All functions supported except 3D color matrix metering II
- Non-CPU: Can be used in modes A and M; color matrix metering and aperture value display supported if user provides lens data (AI lenses only)
- Electronic rangefinder can be used if maximum aperture is $f/5.6$ or faster

Reference Documentation

D7000 manual

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