

Nikon D7000

Nikon Camera

Tool Type: Imaging
Location: Innovation Workshop
Description: Camera
Manufacturer: Nikon

About

Single-lens reflex digital 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 (3.5mm 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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