

## Re: Digital Reflex on microscope

**Source:** <http://sci.tech-archive.net/Archive/sci.techniques.microscopy/2004-06/0111.html>

---

**From:** David Littlewood ([david\\_at\\_nospam.demon.co.uk](mailto:david_at_nospam.demon.co.uk))

**Date:** 06/27/04

Date: Sun, 27 Jun 2004 12:09:54 +0100

In article <hujsd0t7p73ai32dfidv0usvu663ogmmmj@4ax.com>, Aaron <nghy@comcast.net> writes

>Hi David,

>

>With the Coolpix 5000 and the other newer Nikon Compacts and SLRs, Nikon has introduced a wonderful new RAW format called NEF for Nikon Electronic Format. This format captures the values of each cell of the camera CCD without any internal processing. It also captures the camera settings.. The new NikonCapture Editor software with control the SLRs from the computer, however its most valuable feature is the ability to edit the NEF files.

>

>The NEF files are original data, independent of any processing. with a listing of processing instructions.. The editing software creates copies of the original dat and then processes the instructions. The editor does not change the original data so you can go back and change the processing instructions with the editor any time without affecting the original data.

>

>The bottom line is that the camera settings do not affect the NEF data. The camera sharpening routines are never applied to the original data and the operator has complete artistic control of the edited output.

>

>Aaron

>

Thanks, Aaron; I was not aware of this – I have a Coolpix 995.

Incidentally, it is IMO regrettable that Nikon have moved away from the configuration of the 950/990/995/4500 series, which is well suited to photomicrography. The later models all have much wider lenses which appear to be less suited to fitting to an eyepiece.

David

--

David Littlewood