

### Entry-level DSLR Comparison January 2009

|                                   | <b>Pentax K-m</b>              | <b>Canon EOS 1000D</b>   | <b>Nikon D60</b>                   | <b>Olympus E-420</b>                  | <b>Sony DSLR-A200</b>        |
|-----------------------------------|--------------------------------|--------------------------|------------------------------------|---------------------------------------|------------------------------|
| Sensor type                       | CCD                            | CMOS                     | CCD                                | Live MOS                              | CCD                          |
| Sensor size (mm)                  | 23.5 x 15.7                    | 22.2 x 14.8              | 23.6 x 15.8                        | 17.3 x 13.0                           | 23.6 x 15.8                  |
| Effective resolution (megapixels) | 10.2                           | 10.1                     | 10.2                               | 10                                    | 10.2                         |
| Photosite dimensions (microns)    | 6.07                           | 5.71                     | 6.09                               | 4.74                                  | 6.09                         |
| Storage media                     | SD/SDHC                        | SD/SDHC                  | SD/SDHC                            | CF/Microdrive/xD                      | CF I/II, Microdrive          |
| Image file formats                | JPEG, RAW (PEF + DNG) RAW+JPEG | RAW, JPEG, RAW+JPEG      | RAW, JPEG, RAW+JPEG                | JPEG, RAW, RAW+JPEG                   | RAW, JPEG, RAW+JPEG          |
| Image size options                | 3872 x 2592                    | 3888 x 2592              | 3872 x 2592                        | 3648 x 2736, 3200 x 2400, 2560 x 1920 | 3872 x 2592                  |
|                                   | 3008 x 2000                    | 2816 x 1880              | 2896 x 1944                        | 1600 x 1200, 1280 x 960               | 2896 x 1936                  |
|                                   | 1824 x 1216                    | 1936 x 1288              | 1936 x 1296                        | 1024 x 768, 640 x 480                 | 1920 x 1280                  |
| Image stabilisation               | Yes (in body)                  | Lens-based only          | Lens-based only                    | No                                    | Yes (in body)                |
| Sensor dust removal               | Yes                            | Yes                      | Yes                                | SSWF                                  | Yes                          |
| Shutter speeds                    | 30-1/4000 + B                  | 30-1/4000 + B            | 30-1/4000 + B                      | 60-1/4000 + B                         | 30-1/4000 + B                |
| ISO sensitivity                   | 100-3200                       | 100-1600                 | 100-1600 (exp to 3200)             | 100-1600                              | 100-3200                     |
| Burst rate/ Buffer capacity       | 3.5 fps/ 4 RAW or 5 JPEG       | 3 fps/ 514 frames (JPEG) | 3 fps/100 JPEG                     | 3.5 fps/ unlimited JPEG               | 3 fps/ 6 RAW, unlimited JPEG |
| Built-in flash GN                 | 11                             | 13                       | 12                                 | 12                                    | 12                           |
| AF area points                    | 5 cross sensors                | 7                        | 3                                  | 3                                     | 9                            |
| Metering                          | 16-segment TTL                 | 35-zone TTL              | 3D-Colour Matrix II (420 segments) | Digital ESP (49 zones)                | 40-segment TTL               |
| Custom functions                  | 23                             | 11                       | 17                                 | 18 scene modes + 1 user memories      | 8 Creative Styles            |
| Viewfinder type/FOV coverage      | pentamirror/96%                | pentamirror/ 95%         | penta-Dach mirror/95%              | TTL optical + Live View               | penta-Dach mirror/95%        |
| Monitor size/resolution           | 2.7-inch/230,000 pixels        | 2.5-inch/230,000 pixels  | 2.5-inch/230,000 pixels            | 2.7-inch/230,000 pixels               | 2.7-inch/230,400 pixels      |
| Live View                         | No (but digital preview)       | Yes                      | No                                 | Yes                                   | No                           |
| Battery                           | 4x AA                          | Lithium-ion              | Lithium-ion                        | Lithium-ion                           | Lithium-ion                  |
| Body dimensions (WxHxD in mm)     | 122.5 x 91.5 x 67.5            | 126.1 x 97.5 x 61.9      | 126 x 94 x 64                      | 129.5 x 91 x 53                       | 130.8 x 98.5 x 71.3          |
| Body weight in grams              | 525                            | 450                      | 495                                | 380                                   | 532                          |
| Current RRP (with lens)           | \$1099 (with Pentax lens)      | \$949                    | \$899                              | \$899                                 | \$799                        |