

	Nikon D3100	Nikon 5100	Nikon D5000
Sensor	<ul style="list-style-type: none"> • 14.2 million effective pixels • 23.1 x 15.4 mm CMOS (DX format) 	<ul style="list-style-type: none"> • 16.2 million effective pixels • 23.6 x 15.6 mm CMOS (DX format) 	<ul style="list-style-type: none"> • 12.3 million effective pixels • 23.6 x 15.8 mm CMOS (DX format)
Image sizes	<ul style="list-style-type: none"> • 4608 x 3072 (14.2 MP) • 3456 x 2304 • 2304 x 1536 	<ul style="list-style-type: none"> • 4928 x 3264 (16.2MP) • 3696 x 2448 • 2464 x 1632 	<ul style="list-style-type: none"> • 4288 x 2848 (12 MP) • 3216 x 2136 • 2144 x 1424
Movie mode	<ul style="list-style-type: none"> • 1080p24 • 720p30/25/24 • 424p24 	<ul style="list-style-type: none"> • 1080p24 • 720p30/25/24 • 424p24 	<ul style="list-style-type: none"> • 720p24
Sensor cleaning	<ul style="list-style-type: none"> • Image Sensor Cleaning • Airflow control system • Image Dust Off reference data (optional Capture NX 2 software required) 	<ul style="list-style-type: none"> • Image Sensor Cleaning • Image Dust Off reference data (optional Capture NX 2 software required) 	<ul style="list-style-type: none"> • Image Sensor Cleaning • Airflow control system • Image Dust Off reference data (optional Capture NX 2 software required)
AF drive mode	<ul style="list-style-type: none"> • AF-A • AF-S • AF-C • MF • AF-F (Live view only) 	<ul style="list-style-type: none"> • AF-A • AF-S • AF-C • MF • AF-F (Live view only) 	<ul style="list-style-type: none"> • AF-A • AF-S • AF-C • MF
Sensitivity	<ul style="list-style-type: none"> • ISO 100 - 3200 • To ISO 12800 with boost 	<ul style="list-style-type: none"> • ISO 100 - 6400 • To ISO 25600 with boost 	<ul style="list-style-type: none"> • ISO 200 - 3200 • ISO 100-6400 with boost
Continuous	<ul style="list-style-type: none"> • 3 fps 	<ul style="list-style-type: none"> • 4 fps • 100 / 16 frames (Fine JPEG / RAW) 	<ul style="list-style-type: none"> • 4 fps • 63 / 11 frames (Fine JPEG / RAW)
Viewfinder magnification	<ul style="list-style-type: none"> • 0.8x 	<ul style="list-style-type: none"> • 0.78x 	<ul style="list-style-type: none"> • 0.78x
Viewfinder Frame coverage	<ul style="list-style-type: none"> • Approx. 95% 	<ul style="list-style-type: none"> • Approx. 95% 	<ul style="list-style-type: none"> • Approx. 95%
LCD monitor	<ul style="list-style-type: none"> • 3.0" TFT LCD • 230,000 pixel TFT 	<ul style="list-style-type: none"> • 3.0" TFT LCD • 921,000 pixel TFT • Articulated 	<ul style="list-style-type: none"> • 2.7" TFT LCD • 230,000 pixel TFT • Articulated
Dimensions	124 x 96 x 74.5 mm (4.9 x 3.7 x 3.0 in)	128 x 97 x 79 mm (5.0 x 3.8 x 3.1in)	127 x 104 x 80 mm (5.0 x 4.1 x 3.1 in)
Weight	<ul style="list-style-type: none"> • No battery: 455g (1.0 lb) • With battery: 505g (1.1 lb) 	<ul style="list-style-type: none"> • No battery: 510g (1.1 lb) • With battery: 560g (1.2 lb) 	<ul style="list-style-type: none"> • No battery: 560g (1.2 lb) • With battery: 611g (1.3 lb)
Image processing engine	<ul style="list-style-type: none"> • Expeed 2 • 12 bit 	<ul style="list-style-type: none"> • Expeed 2 • 14 bit 	<ul style="list-style-type: none"> • Expeed • 12 bit
Active D-lighting	On/Off	Auto, Extra high, High, Normal, Low, or Off	Auto, Extra high, High, Normal, Low, or Off
In-camera retouching	<ul style="list-style-type: none"> • D-Lighting • Red-eye reduction • Trimming • Monochrome & filter effects • Color balance • Small picture • Image overlay • NEF (RAW) processing • Quick retouch • Straighten • Distortion control • Fisheye • Color outline • Perspective control • Miniature effect • Edit movie 	<ul style="list-style-type: none"> • D-Lighting • Red-eye reduction • Trimming • Monochrome & filter effects • Color balance • Image overlay • NEF (RAW) processing • Resize • Quick retouch • Straighten • Distortion control • Fisheye • Color outline • Color sketch • Perspective control • Miniature effect • Selective Color • Edit movie • Side-by-side comparison 	<ul style="list-style-type: none"> • D-Lighting • Red-eye reduction • Trimming • Monochrome & filter effects • Color balance • Small picture • Image overlay • NEF (RAW) processing • Quick retouch • Straighten • Distortion control • Fisheye • Color outline • Perspective control
Bracketing	No	Yes	Yes