

Features Comparison DSLRs with 36 x 24mm Sensors January 2009

		Canon EOS-1Ds Mark III	Canon EOS 5D Mark II	Nikon D3	Nikon D3X	Nikon D700	Sony DSLR A900
Launch date		20/8/2007	17/9/2008	23/8/2007	1/12/2008	1/7/2008	9/9/2008
Megapixels (effective)		21.2	21.1	12.1	24.5	12.2	24.6
Pixel Pitch		6.3 microns	6.4 microns	8.4 microns	5.9 microns	8.4 microns	5.9 microns
A/D Resolution Power		14-bit	14-bit	12- or 14-bit	12- or 14-bit	12- or 14-bit	12-bit
Image sizes	Large	5616 x 3744	5616 x 3744	4256 x 2832, 3552 x 2832, 2784 x 1848	6048 x 4032, 5056 x 4032, 3968 x 2640	4256 x 2832, 2784 x 1848	6048 x 4032, 6048 x 3408, 3924 x 2656
	Medium	4992 x 3328, 4080 x 2720	4992 x 3328, 4080 x 2720	3184 x 2120, 2656 x 2120, 2080 x 1384	4544 x 3024, 3792 x 3024, 2976 x 1976	3184 x 2120, 2080 x 1384	4400 x 2936, 4400 x 2472, 2896 x 1928
	Small	2784 x 1856	2784 x 1856	2128 x 1416, 1776 x 1416, 1392 x 920	3024 x 2016, 2582 x 2016, 1984 x 1320	2128 x 1416, 1392 x 920	3024 x 2016, 3024 x 1704, 1984 x 1320
ISO range		ISO 100-1600; exp. to ISO 50 and ISO 3200	ISO 100-6400; exp. to ISO 50 and ISO 25,600	ISO 200-6400; exp. to 100 (Lo) and 25,600 (Hi)	ISO 100-1600; exp. to ISO 50 and ISO 6400	ISO 200-6400; exp. to 100 (Lo) and 25,600 (Hi)	200-3200; exp. to ISO 100 and ISO 6400
Shutter speeds		1/8000 to 30 sec. (1/3- and 1/2-stop increments), bulb, X-sync at 1/250 sec.	1/8000 to 30 sec. (1/3- and 1/2-stop increments), bulb, X-sync at 1/200 sec.	1/8000 to 30 sec in 1/3, 1/2 or 1 EV plus Bulb; X-synch at 1/250 sec.	1/8000 to 30 sec in 1/3, 1/2 or 1 EV plus Bulb; X-synch at 1/250 sec.	1/8000 to 30 sec in 1/3, 1/2 or 1 EV plus Bulb; X-synch at 1/250 sec.	1/8000 to 30 sec in 1/3, 1/2 or 1 EV plus Bulb; X-synch at 1/250 sec.
Shutter durability rating		300,000 cycles	150,000 cycles	300,000 cycles	300,000 cycles	Not rated	100,000 cycles
Burst rate (high-res. JPEG)		5 fps	3.9 fps	FX format - 9 fps; DX format – 11 fps	FX format - 5 fps; DX format – 7 fps	5 fps (8fps with MB-10 battery pack)	5fps
Buffer capacity		56 JPEG, 12 raw, 10 RAW+JPEG	78 JPEG, 13 raw, 8 RAW+JPEG	130 JPEG, 17 raw	130 JPEG	100 JPEG, 19 raw, 15 RAW+JPEG	175 JPEG, 12 raw, 10 RAW+JPEG
Autofocusing system		TTL-Area-SiR with CMOS sensor	TTL SiR phase detection	TTL phase detection with MultiCAM 3500FX	TTL phase detection with MultiCAM 3500FX	TTL phase detection with MultiCAM 3500FX	TTL phase-detection system
AF points		19 (cross type) plus 26 Assist AF points; single/9-point selection	9 (cross type) plus 6 Assist AF points; AF point selection	51 (single point selection from 51 or 11 points)	51 (single point selection from 51 or 11 points)	51 (single point selection from 51 or 11 points)	9 points + 10 assist focus points
EV		+/- 3 EV in 1/3 or	+/- 2 EV in 1/3 or	+/- 5 EV in	+/- 5 EV in	+/- 5 EV in	+/- 3EV in 1/3

compensation/bracketing increments	1/2 EV steps	1/2 EV steps	increments of 1/3, 1/2 or 1 EV	increments of 1/3, 1/2 or 1 EV	increments of 1/3, 1/2 or 1 EV	or 1/2 EV steps
Exposure metering	63-zone TTL full-aperture metering	35-zone TTL full-aperture metering	TTL full-aperture metering with 1005-pixel RGB sensor	TTL full-aperture metering with 1005-pixel RGB sensor	3D-Colour Matrix Metering II	40-segment honeycomb-pattern SPC TTL
Dust reduction	Yes	Yes	No	Reference data only (requires Capture NX2)	Yes	Yes
Stabilisation	Lens-based	Lens-based	Lens-based	Lens-based	Lens-based	Body-integrated
White balance	Auto, plus 6 manual modes, custom (up to 5 settings), colour temperature, personal (up to 5 settings)	Auto, plus 6 manual modes, custom, colour temperature	Auto plus 7 manual modes with fine-tuning, colour temperature setting	Auto plus 7 manual modes with fine-tuning, colour temperature setting	Auto plus 7 manual modes with fine-tuning	Auto plus 6 manual modes with fine-tuning, colour temperature setting
Dynamic range adjustment	Highlight Tone Priority	Auto Lighting Optimiser	Active D-Lighting	Active D-Lighting	Active D-Lighting	D-Range Optimiser
Viewfinder coverage/magnification	100% / 0.76x	98% / 0.71x	100% / 0.7x	100% / 0.7x	95% / 0.72x	100% / 0.74x
LCD monitor	3.0-inch TFT LCD; 230,000 pixels	3.0-inch TFT LCD, 920,000 pixels	3.0-inch TFT LCD, 920,000 pixels	3.0-inch TFT LCD, 920,000 pixels	3.0-inch TFT LCD, 920,000 pixels	3.0-inch TFT LCD, 921,000 pixels
Live view	Yes; auto/manual focus supported	Yes; auto/manual focus supported	Yes; auto/manual focus supported	Yes; auto/manual focus supported	No	No
Video/sound recording options	Sound recording (max. 30 sec)	MOV (Video: H.264, Audio: Linear PCM) 1920 x 1080, 640 x 480	No	No	No	No
Media slots	CF + SD/SDHC	1x CF	2x CF	2x CF	1x CF	CF + MS
Body dimensions (wxhxd)	156 x 159.6 x 79.9 mm	152 x 113.5 x 75 mm	159.5 x 157 x 87.5 mm	159.5 x 157 x 87.5 mm	147 x 123 x 77 mm	156 x 117 x 82 mm
Body weight	1.21 kg	0.81 kg	1.24 kg	1.22 kg	0.995 kg	0.85 kg
Current RRP	\$11,999	\$4,299	\$6,999	\$13,999	\$3,999	\$4,499