

CONSUMER DSLR & ILEV F CAMERAS AS AT 25 MAY 2009

	Canon EOS 5D Mark II	Canon EOS 50D	Canon EOS 40D	Canon EOS 500D
Sensor type	CMOS	CMOS	CMOS	CMOS
Sensor size (mm)	36 x 24	22.3 X 15.1	22.2 x 14.8	22.3 X 14.9
Effective resolution (megapixels)	21.1	15.1	10.1	15.1
Photosite dimensions (microns)	6.41	4.69	5.18	4.69
Lens multiplier (cf 35mm)	1.0x	1.6x	1.6x	1.6x
Storage media	CF I/II, Microdrive	CF I/II, Microdrive	CF I/II, Microdrive	SD/SDHC
Image file formats	RAW, sRAW1/2, JPEG, RAW+JPEG	RAW, sRAW1/2, JPEG, RAW+JPEG	RAW, JPEG, RAW+JPEG	RAW, JPEG, RAW+JPEG
Image size options	5616 x 3744	4752 x 3168	4288 x 2848	4752 x 3168
	4080 x 2720; 3861 x 2574	3456 x 2304	3216 x 2136	3456 x 2304
	2784 x 1856	2352 x 1568	2144 x 1424	2352 x 1568
Lens mount	Canon EF	Canon EF & EF-S	Canon EF & EF-S	Canon EF & EF-S
Supplied with lens	No	Option	Option	Option
Image stabilisation	Lens-based only	Lens-based only	Lens-based only	Lens-based only
Sensor dust removal	Yes	Yes	Yes	Yes
Shutter speeds	30-1/8000 + B	30-1/8000 + B	30-1/8000 + B	30-1/4000 + B
ISO sensitivity	100-3200 (ext. to 50/25600)	100-3200 (ext. to 12,800)	100-1600 (ext. to 3200)	100-3200 (ext. to 12,800)
Burst rate/ Buffer capacity	3.9 fps/ 78 frames (JPEG)	6.3 fps/ 60 frames (JPEG)	6.5 fps/ 75 frames (JPEG)	3.4 fps/ 170 frames (JPEG)
Built-in flash GN	No flash	13	13	13
Colour space	sRGB, Adobe RGB	sRGB, Adobe RGB, B&W	sRGB, Adobe RGB, B&W	sRGB, Adobe RGB, B&W
AF type	TTL-CT-SIR (CMOS sensor)	TTL-CT-SIR with CMOS sensor	TTL-CT-SIR (CMOS sensor)	TTL-CT-SIR with CMOS sensor
AF area points	9AF + 6 Assist AF	9	9	9
Metering	35-zone TTL	35-zone TTL	35-zone TTL	35-zone TTL
Custom functions	25	25	24	13
Viewfinder type/FOV coverage	pentaprism/ 98%	pentaprism/ 95%	pentaprism/ 95%	pentamirror/ 95%
Monitor size/resolution	3.0-inch/920,000 pixels	3.0-inch/920,000 pixels	3.0-inch/230,000 pixels	3.0-inch/902,000 pixels
Live View	Yes+ HD Video capture	Yes	Yes	Yes + HD Video capture
PC interface	USB 2.0 Hi-Speed	USB 2.0 Hi-Speed	USB 2.0 Hi-Speed	USB 2.0 Hi-Speed
Battery	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion
Body dimensions (WxHxD in mm)	152 x 113.5 x 75	145.5 x 107.8 x 73.5	145.5 x 107.8 x 73.5	128.8 x 97.5 x 61.9
Body weight in grams	810	730	740	480
Current RRP	\$4799 (body only)	\$1899 (body only)	\$1299 (body only)	\$1499 (body only)

CONSUMER DSLR & ILEVF CAMERAS AS AT 25 MAY 2009

	Canon EOS 450D	Canon EOS 1000D	Nikon D60	Nikon D5000
Sensor type	CMOS	CMOS	CCD	CMOS
Sensor size (mm)	22.2 x 14.8	22.2 x 14.8	23.6 x 15.8	23.6 x 15.8
Effective resolution (megapixels)	12.2	10.1	10.2	12.3
Photosite dimensions (microns)	5.2	5.71	6.09	5.50
Lens multiplier (cf 35mm)	1.6x	1.6x	1.5x	1.5x
Storage media	SD/SDHC	SD/SDHC	SD/SDHC	SD/SDHC
Image file formats	RAW, JPEG, RAW+JPEG	RAW, JPEG, RAW+JPEG	RAW, JPEG, RAW+JPEG	RAW, JPEG, RAW+JPEG
Image size options	4272 x 2848	3888 x 2592	3872 x 2592	4288 x 2848
	3088 x 2056	2816 x 1880	2896 x 1944	3216 x 2136
	2256 x 1504	1936 x 1288	1936 x 1296	2144 x 1424
Lens mount	Canon EF & EF-S	Canon EF & EF-S	Nikkor AF/ F mount	Nikkor AF/ F mount
Supplied with lens	Option	Option	Option	Option
Image stabilisation	Lens-based only	Lens-based only	Lens-based only	Lens-based only
Sensor dust removal	Yes	Yes	Yes	Yes
Shutter speeds	30-1/4000 + B	30-1/4000 + B	30-1/4000 + B	30-1/4000 + B
ISO sensitivity	100-1600	100-1600	100-1600 (exp to 3200)	200-3200 (exp. to 100 & 6400)
Burst rate/ Buffer capacity	3.5 fps/ 53 frames (JPEG)	3 fps/ 514 frames (JPEG)	3 fps/100 JPEG	4 fps/100 JPEG
Built-in flash GN	13	13	12	12
Colour space	sRGB, Adobe RGB, B&W	sRGB, Adobe RGB	sRGB, Adobe RGB	sRGB, Adobe RGB
AF type	TTL-CT-SIR with CMOS sensor	TTL-CT-SIR with CMOS sensor	Nikon Multi-CAM 350	Nikon Multi-CAM1000
AF area points	9	7		11
Metering	35-zone TTL	35-zone TTL	3D-Colour Matrix Metering II	3D Matrix Metering II
Custom functions	13	11	17	23
Viewfinder type/FOV coverage	pentamirror/ 95%	pentamirror/ 95%	penta-Dach mirror/95%	pentamirror/96%
Monitor size/resolution	3.0-inch/230,000 pixels	2.5-inch/230,000 pixels	2.5-inch/230,000 pixels	2.7-inch/230,000 pixels
Live View	Yes	Yes	No	Yes + HD Video capture
PC interface	USB 2.0 Hi-Speed	USB 2.0 Hi-Speed	USB 2.0 Hi-Speed	USB 2.0 Hi-Speed
Battery	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion
Body dimensions (WxHxD in mm)	128.8 x 97.5 x 61.9	126.1 x 97.5 x 61.9	126 x 94 x 64	127 x 104 x 80
Body weight in grams	475	450	495	560
Current RRP	\$1099 (body only)	\$849 (body only)	\$849 (body only)	\$1499

CONSUMER DSLR & ILEVF CAMERAS AS AT 25 MAY 2009

	Nikon D90	Nikon D300	Nikon D700
Sensor type	CMOS	CMOS	CMOS
Sensor size (mm)	23.6 x 15.8	23.6 x 15.8	36.0 x 23.9
Effective resolution (megapixels)	12.3	12.3	12.1
Photosite dimensions (microns)	5.50	5.50	8.45
Lens multiplier (cf 35mm)	1.5x	1.5x	1x
Storage media	SD/SDHC	CF I/II, Microdrive	CompactFlash Type 1
Image file formats	RAW, JPEG, RAW+JPEG	RAW, JPEG, RAW+JPEG	JPEG, TIFF, RAW, RAW+JPEG
Image size options	4288 x 2848	4288 x 2848	4256 x 2832, 4256 x 2832
	3216 x 2136	3216 x 2136	3184 x 2120, 2080 x 1384
	2144 x 1424	2144 x 1424	2128 x 1416, 1392 x 920
Lens mount	Nikkor AF/ F mount	Nikkor AF/ F mount	Nikkor AF/ F mount
Supplied with lens	Option	Option	Option
Image stabilisation	Lens-based only	Lens-based only	Lens-based only
Sensor dust removal	Yes	Yes	Yes
Shutter speeds	30-1/4000 + B	30-1/8000 + B	30-1/8000 + B
ISO sensitivity	200-3200 (exp. to 100 & 6400)	200-3200 (exp. to 100 & 6400)	200-6400 (exp. to 100 & 25,600)
Burst rate/ Buffer capacity	4.5 fps/100 JPEG	8 fps/ 100 (JPEG/Normal)	5 fps/100 (JPEG/L)
Built-in flash GN	12	17	17
Colour space	sRGB, Adobe RGB	sRGB, Adobe RGB	sRGB, Adobe RGB
AF type	Nikon Multi-CAM1000	Nikon MultiCAM 3500 DX	Nikon MultiCAM 3500 FX
AF area points	11	51	51
Metering	3D Matrix Metering II	3D Colour Matrix Metering II	3D Colour Matrix Metering II
Custom functions	50	48	50
Viewfinder type/FOV coverage	pentaprism/96%	pentaprism/100%	pentaprism/95%
Monitor size/resolution	3.0-inch/920,000 pixels	3.0-inch/920,000 pixels	3.0-inch/920,000 pixels
Live View	Yes + HD Video capture	Yes	Yes
PC interface	USB 2.0 Hi-Speed	USB Hi-speed	USB Hi-speed
Battery	Lithium-ion	Lithium-ion	Lithium-ion
Body dimensions (WxHxD in mm)	132 x 103 x 77	147 x 114 x 74	147 x 123 x 77
Body weight in grams	620	825	995
Current RRP	\$1,699 (body only)	\$2,799 (body only)	\$4799 (body only)

CONSUMER DSLR & ILEVF CAMERAS AS AT 25 MAY 2009

	Olympus E-420	Olympus E-520	Olympus E-620
Sensor type	Live MOS	Live MOS	Live MOS
Sensor size (mm)	17.3 x 13.0	17.3 x 13.0	17.3 x 13.0
Effective resolution (megapixels)	10	10	12.3
Photosite dimensions (microns)	4.74	4.74	4.29
Lens multiplier (cf 35mm)	2x	2x	2x
Storage media	CF/Microdrive/xD	CF/Microdrive/xD	CF/Microdrive/xD
Image file formats	JPEG, RAW, RAW+JPEG	JPEG, RAW, RAW+JPEG	JPEG, RAW, RAW+JPEG
Image size options	3648 x 2736, 3200 x 2400, 2560 x 1920	3648 x 2736, 3200 x 2400, 2560 x 1920	4032 x 3024, 3200 x 2400, 2560 x 1920
	1600 x 1200, 1280 x 960	1600 x 1200, 1280 x 960	1600 x 1200, 1280 x 960
	1024 x 768, 640 x 480	1024 x 768, 640 x 480	1024 x 768, 640 x 480
Lens mount	4/3 standard	4/3 standard	4/3 standard
Supplied with lens	Option	Option	Option
Image stabilisation	No	Sensor-shift	Sensor-shift
Sensor dust removal	SSWF	SSWF	SSWF
Shutter speeds	60-1/4000 + B (to 30 mins)	60-1/4000 + B (to 8 mins)	60-1/4000 + B (to 30 mins)
ISO sensitivity	100-1600	100-1600	100 - 3200
Burst rate/ Buffer capacity	3.5 fps/ unlimited JPEG	3 fps/ unlimited JPEG	4 fps/ 5 RAW, up to 280 JPEG
Built-in flash GN	12	12	13
Colour space	sRGB, Adobe RGB	sRGB, Adobe RGB	sRGB, Adobe RGB
AF type	TTL phase difference detection	TTL phase difference detection	TTL phase difference detection
AF area points	3	3	11 full-twin cross type
Metering	Digital ESP (49 zones)	Digital ESP (49 zones)	Digital ESP (49 zones)
Custom functions	18 scene modes + 1 user memories	18 scene modes + 2 user memories	66
Viewfinder type/FOV coverage	TTL optical + Live View	TTL optical + Live View	TTL optical (95%) + Live View
Monitor size/resolution	2.7-inch/230,000 pixels	2.7-inch/230,000 pixels	Vari-angle 2.7-inch/230,000 pixels
Live View	Yes	Yes	Yes
PC interface	USB 2.0 Hi-Speed	USB 2.0 Hi-Speed	USB 2.0 Hi-Speed
Battery	Lithium-ion	Lithium-ion	Lithium-ion
Body dimensions (WxHxD in mm)	129.5 x 91 x 53	136 x 91.5 x 68 mm	130 x 94 x 60
Body weight in grams	380	470	475
Current RRP	\$799 (body only)	\$999	\$1,299

CONSUMER DSLR & ILEVF CAMERAS AS AT 25 MAY 2009

	Olympus E-30	Olympus E-3	Panasonic DMC-G1	Panasonic DMC-GH1
Sensor type	High Speed Live MOS	High Speed Live MOS	Live MOS	Live MOS
Sensor size (mm)	17.3 x 13.0	17.3 x 13.0	17.3 x 13.0 mm	17.3 x 13.0
Effective resolution (megapixels)	12.3	10	12.1	12.1
Photosite dimensions (microns)	4.29	4.74	4.33	4.33
Lens multiplier (cf 35mm)	2x	2x	2x	2x
Storage media	CF/Microdrive/xD	CF/Microdrive/xD	SD/SDHC/MMC	SD/SDHC/MMC
Image file formats	JPEG, RAW, RAW+JPEG	JPEG, RAW, RAW+JPEG	JPEG, RAW, RAW+JPEG	JPEG, RAW, RAW+JPEG
Image size options	4032 x 3024, 3200 x 2400, 2560 x 1920	3648 x 2736, 3200 x 2400, 2560 x 1920	4000x3000, 4000x2672	4000x3000, 4000x2672
	1600 x 1200, 1280 x 960	1600 x 1200, 1280 x 960	2816x2112, 2816x1880	2816x2112, 2816x1880
	1024 x 768, 640 x 480	1024 x 768, 640 x 480	2048x1536, 2048x1360	2048x1536, 2048x1360
Lens mount	4/3 standard	4/3 standard	Micro Four Thirds	Micro Four Thirds
Supplied with lens	Option	Option	Yes	Yes
Image stabilisation	Sensor-shift	Sensor-shift	Lens-based only	Lens-based only
Sensor dust removal	SSWF	SSWF	SSWF	SSWF
Shutter speeds	60-1/8000 + B (to 30 mins)	60-1/8000 + B (to 30 mins)	60 to 1/4000 + B (to 4 minutes)	60 to 1/4000 + B (to 4 minutes)
ISO sensitivity	100 - 3200	100-3200	100-3200	100-3200
Burst rate/ Buffer capacity	5 fps/ 14 RAW, up to 280 JPEG	5 fps/ 16 RAW, unlimited JPEG	3 fps/7 RAW, unlimited JPEG	3 fps/3 Large/Fine JPEG
Built-in flash GN	13	13	11	11
Colour space	sRGB, Adobe RGB	sRGB, Adobe RGB	sRGB, Adobe RGB	sRGB, Adobe RGB
AF type	TTL phase difference detection	TTL phase difference detection	Contrast AF	Contrast AF
AF area points	11 full-twin cross type	11 full-twin cross type	23	23
Metering	Digital ESP (49 zones)	Digital ESP (49 zones)	144-zone multi-pattern	144-zone multi-pattern
Custom functions	2 user memories, 2 settings storable	2 user memories, 2 settings storable	unknown	unknown
Viewfinder type/FOV coverage	TTL optical (98%) + Live View	TTL optical + Live View	EVF (1,440,000 dots)/ 100%	EVF (1,440,000 dots)/ 100%
Monitor size/resolution	Vari-angle 2.7-inch/230,000 pxl	Vari-angle 2.5-inch/230,000 pxl	3.0-inch/460,000 pixels	3.0-inch/460,000 pixels
Live View	Yes	Yes	Yes	Yes + HD Video capture
PC interface	USB 2.0 Hi-Speed	USB 2.0 Hi-Speed	USB 2.0 Hi-Speed	USB 2.0 Hi-Speed
Battery	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion
Body dimensions (WxHxD in mm)	141.5 x 107.5 x 75	142.5 x 116.5 x 74.5 mm	124 x 83.6 x 45.2 mm	124 x 89.6 x 45.2 mm
Body weight in grams	655	810	385	385
Current RRP	\$1799 (body only)	\$2,499 (body only)	\$1,649 (with 14-45mm lens)	\$3,299 (with lens)

CONSUMER DSLR & ILEVF CAMERAS AS AT 25 MAY 2009

	Pentax K-7	Pentax K20D	Pentax K-m
Sensor type	CMOS	CMOS	CCD
Sensor size (mm)	23.4 x 15.6	23.4 x 15.6	23.5 x 15.7
Effective resolution (MP)	14.6	14.6	10.2
Photosite dimensions (microns)	5.01	5.01	6.07
Lens multiplier (cf 35mm)	1.5x	1.5x	1.5x
Storage media	SD/SDHC	SD/SDHC	SD/SDHC
Image file formats	JPEG, RAW (PEF+DNG)	JPEG, RAW (PEF+DNG)	JPEG, RAW (PEF+DNG)
Image size options	4672 x 3104	4672 x 3104	3872 x 2592
	3872 x 2592	3872 x 2592	3008 x 2000
	1824 x 1216	1824 x 1216	1824 x 1216
Lens mount	Pentax KAF	Pentax KAF	Pentax KAF
Supplied with lens	Option	Option	Yes
Image stabilisation	Yes (in body)	Yes (in body)	Yes (in body)
Sensor dust removal	Yes	Yes	Yes
Shutter speeds	30-1/8000 + B	30-1/4000 + B	30-1/4000 + B
ISO sensitivity	100-3200 (exp. to 6400)	100-3200 (exp. to 6400)	100-3200
Burst rate/ Buffer capacity	5.2 fps/ 14-15 RAW, 40 JPEG	3 fps/ 14-16 RAW, 38 JPEG	3.5 fps/ 4 RAW or 5 JPEG
Built-in flash GN	13	11	11
Colour space	sRGB, Adobe RGB	sRGB, Adobe RGB	sRGB, Adobe RGB
AF type	SAFOX VIII	SAFOX VIII	SAFOX (TTL phase-matching)
AF area points	11	11	5 cross sensors
Metering	16-segment TTL	16-segment TTL	16-segment TTL
Custom functions	37	36	23
Viewfinder type/FOV coverage	pentaprism/100%	pentaprism/95%	pentamirror/96%
Monitor size/resolution	3.0-inch/920,000 pixels	2.7-inch/230,000 pixels	2.7-inch/230,000 pixels
Live View	Yes	Yes	No (but digital preview)
PC interface	USB 2.0 Hi-Speed	USB 2.0 Hi-Speed	USB 2.0 Hi-Speed
Battery	Lithium-ion	Lithium-ion	4x AA
Body dimensions (WxHxD)	130.5 x 96.5 x 72.5 mm	141.5 x 101 x 70 mm	122.5 x 91.5 x 67.5 mm
Body weight in grams	670	715	525
Current RRP	\$1749	\$1249 (body only)	\$1099 (with Pentax lens)

	Sigma SD-14	Sony DSLR-A200	Sony DSLR-A300
Sensor type	CMOS (Foveon X3)	CCD	CCD
Sensor size (mm)	20.7 x 13.8	23.6 x 15.8	23.5 x 15.7
Effective resolution (MP)	4.6 (x3)	10.2	10.2
Photosite dimensions (microns)	7.84	6.09	6.09
Lens multiplier (cf 35mm)	1.7x	1.5x	1.5x
Storage media	CF I/II	CF I/II, Microdrive	CF I/II, Microdrive
Image file formats	JPEG, RAW (X3F)	RAW, JPEG, RAW+JPEG	RAW, JPEG, RAW+JPEG
Image size options	2640 x 1760	3872 x 2592	3872 x 2592
	1776 x 1184	2896 x 1936	2896 x 1936
	1296 x 864	1920 x 1280	1920 x 1280
Lens mount	Sigma SA	Minolta/Sony AF	Minolta/Sony AF
Supplied with lens	Yes	Yes (two lenses)	Yes (two lenses)
Image stabilisation	No	Yes (in body)	Yes (in body)
Sensor dust removal	Yes (removable filter)	Yes	Yes
Shutter speeds	30-1/4000 + B	30-1/4000 + B	30-1/4000 + B
ISO sensitivity	100-1600	100-3200	100-3200
Burst rate/ Buffer capacity	3 fps/ 7 Hi, 12, Med. 24 Low	3 fps/ 6 RAW, unlimited JPEG	3 fps/ 6 RAW, unlimited JPEG
Built-in flash GN	11	12	12
Colour space	Records RAW data	sRGB, Adobe RGB	sRGB, Adobe RGB
AF type	TTL phase difference detection	Eye-start TTL Phase detection	Eye-start TTL Phase detection
AF area points	5	9	9
Metering	8-segment TTL	40-segment TTL	40-segment TTL
Custom functions	unknown	8 Creative Styles	8 Creative Styles
Viewfinder type/FOV coverage	pentaprism/98%	penta-Dach mirror/95%	penta-Dach mirror/95%
Monitor size/resolution	2.5-inch/150,000 pixels	2.7-inch/230,400 pixels	2.7-inch/230,400 pixels
Live View	No	No	Yes
PC interface	USB 2.0	USB 2.0 Hi-Speed	USB 2.0 Hi-Speed
Battery	Lithium-ion	Lithium-ion	Lithium-ion
Body dimensions (WxHxD in mm)	144 x 107 x 81	130.8 x 98.5 x 71.3	130.8 x 98.5 x 74.7
Body weight in grams	700	532	582
Current RRP	\$1249 (body only)	\$1049 (single lens kit)	\$1199 (single lens kit)

	Sony DSLR-A350	Sony DSLR-A700	Sony DSLR-A900
Sensor type	CCD	CCD	CMOS
Sensor size (mm)	23.5 x 15.7	23.5 x 15.6	35.9 x 24.0
Effective resolution (MP)	14.2	12.24	24.61
Photosite dimensions (microns)	5.12	5.50	5.94
Lens multiplier (cf 35mm)	1.5x	1.5x	1x
Storage media	CF I/II, Microdrive	CF I/II, Microdrive/MS Duo	CF I/II/MS Duo
Image file formats	RAW, JPEG, RAW+JPEG	RAW, JPEG, RAW+JPEG	RAW, JPEG, RAW+JPEG
Image size options	4592 x 3056, 4592 x 2576	4272 x 2848	6048x4032, 6048x3408
	3408 x 2272, 3408 x 1920	3104 x 2064	4400x2936, 4400x2472
	2288 x 1520, 2288 x 1280	2128 x 1424	3024x2016, 3024x1704
Lens mount	Minolta/Sony AF	Minolta/Sony AF	Minolta/Sony AF
Supplied with lens	Option	Option	Option
Image stabilisation	Yes (in body)	Yes (in body)	Yes (in body)
Sensor dust removal	Yes	Yes	Yes
Shutter speeds	30-1/4000 + B	30-1/8000 + B	30-1/8000 + B
ISO sensitivity	100-1600 (exp to 80, 3200)	100-320 (exp to 6400)	200-3200 (exp. To 100, 6400)
Burst rate/ Buffer capacity	2.5 fps (max)/ 4 RAW, unlimited JPEG	5 fps/ 6 RAW, unlimited JPEG	5 fps/12 RAW; 11 JPEG (XFine)
Built-in flash GN	12	12	No flash
Colour space	sRGB, Adobe RGB	sRGB, Adobe RGB	sRGB, Adobe RGB
AF type	Eye-start TTL Phase detection	Eye-start TTL Phase detection	TTL-phase-detection
AF area points	9	11	9 AF, 10 AF assist
Metering	40-segment TTL	40-segment TTL	40-segment TTL
Custom functions	8 Creative Styles	21	14 Colour modes
Viewfinder type/FOV coverage	penta-Dach mirror/95%	pentaprism/95%	pentaprism/100%
Monitor size/resolution	2.7-inch/230,400 pixels	3.0-inch/921,600 pixels	3.0-inch/921,600 pixels
Live View	Yes	No	No
PC interface	USB 2.0 Hi-Speed	USB 2.0 Hi-Speed	USB 2.0 Hi-Speed
Battery	Lithium-ion	Lithium-ion	Lithium-ion
Body dimensions (WxHxD in mm)	130.8 x 98.5 x 74.7	141.7 x 104.8 x 79.9	156 x 117 x 82 mm
Body weight in grams	582	690	850
Current RRP	\$1349 (body only)	\$1799 (body only)	\$5,299 (body only)