Camera	Pixels across Pixels down	Sensor width (mm) Sensor height (mm)	Aspect Ratio Sensor Diagonal (mm)	Sensor Area (mm^2) Pixels / mm	sus Sus	Focal Length (mm)	HAoV (deg, min, on axis)	VAoV (deg, min, on axis)	DAoV (deg)	Zoom Factor (HA and VA)	(DA)	Arc sec / pix edge @ center	Minimum f stop	Aperture diameter (mm)	Elements Groups	ades	S.W.	00 n	CA CA IS	AF-S Float Mointe (cr.)	Threads (mm)	Introduced	Price (US)	Canon 2004 Winter Rebate
Standard 35mm Film	#N/A #N/A	36 24			A Ultra Wide Angle	. 14	104.25		114.18 94.49	0.36	0.41	#N/A	Ξ	₹ ₩	шō	画 あ i	2 2 5 5	3 5 % 5	#N/A	₹ ₫ 3	Ė	=	ă.	ຮັ≥
SLR					Wide Angle Standard	20 35 50	54.43 39.60	37.85	63.44 46.79	0.72	0.50 0.74 1.00													
					Medium Telephoto Telephoto	85 135	23.91 15.19	16.07	28.56 18.21	1.67	1.64													
					Super Telephoto	200 400	10.29	6.87	12.35	3.89	3.79 7.56													
Canon EOS	3072 2048	3 22.67 15.12	1.5 27.25	342.8 135.	Longest in the world 48 EF 14mm f/2.8L USM	1200 14	1.72 78.00	1.15		23.30		108.75	2.8	5.00	14 10	5	1 1	1	1	1 1	9.2 #N/	A 12/1991	\$ 1,800	
D60 / 10D					Sigma 14mm f/2.8 EX HSM ASP EF 15mm f/2.8 Fisheye	15	#N/A	#N/A	#N/A	#N/A #	₽N/A	#N/A	2.8		14 10		~ ~			2	3.3 1.6 #N/	A 4/1987	\$ 899 \$ 580	
					EF 20mm f/2.8 USM Sigma 20mm f1.8 EX Aspherical DG RF	20	59.10	41.40	68.53	0.66	0.68	76.12	2.8 1.8		11 9 13 11		1 2	1	1		4.3 7 8.3 8	2	\$ 409	\$ 15
					EF 24mm f/1.4L USM EF 24mm f/2.8	24	50.57	34.96	59.17	0.78	0.79	63.44	1.4 2.8	17.14 8.57	11 9 10 10		1 1	1 1	1		9.5 5	7 12/1997 8 12/1988	\$ 290	
					TS-E 24mm f/3.5L Sigma 24mm F1.8 EX Aspherical DG D								3.5 1.8	13.33		9	1 2	<u> 1</u>	L	1 1	0.8 7 7.1 7	7	\$ 1,100 \$ 339	
					EF 28mm f/1.8 USM EF 28mm f/2.8	28		30.21		0.90			1.8 2.8		5 5		1 1		1		0.9 5 6.5 5	2 4/1987	\$ 400 \$ 170	\$ 15
					EF 35mm f/1.4L USM EF 35mm f/2	35		24.37		1.11			1.4 2.0	25.00 17.50	7 5	5	1 1	<u> </u>	1	_	7.4 5	2 12/1998 2 10/1990	\$ 230	
					TS-E 45mm f/2.8 EF 50mm f/1.0L USM EF 50mm f/1.4 USM	45 50		19.07 17.19		1.41 1.56		33.83 30.45	2.8 1.0 1.4	16.07 50.00 35.71		8	1		1	3	2.4 7 4.7 7 0.2 5	2 9/1989	\$ 1,100 #N/A \$ 310	\$ 15
					EF 50mm f/1.8 II EF 50mm f/2.5 Compact Macro								1.8	27.78	6 5				_		4.6 5		\$ 75	V
					MP-E65mm f/2.8 1-5x Macro Photo EF 85mm f/1.2L USM	65 85		13.27 10.16		2.02		23.42 17.91	2.8		10 8 8 7	6	1 1	1		1 2	5.8 5 6.8 7	8 9/1999		
					EF 85mm f/1.8 USM TS-E 90mm f/2.8	90	14.36		17.22				1.8	47.22 32.14	9 7	8	1	<u> </u>	<u></u>	1	5.0 5 9.2 5	8 7/1992		\$ 15
					EF 100mm f/2 USM EF 100mm f/2.8 Macro USM	100	12.94	8.64		3.09		15.22	2.0	50.00 35.71	8 6 12 8		1	1	1		6.0 5 1.1 5	8 10/1991	\$ 390	\$ 15 \$ 20
					EF 135mm f/2L USM EF 135mm f/2.8 with Softfocus	135	9.60	6.41	11.53	4.17	4.06	11.28	2.0	67.50 48.21	10 8 7 6		1	2 1	1		7.2 7 3.8 5	2 10/1987	\$ 900 \$ 280	\$ 35
					EF 180mm f/3.5L Macro USM Sigma 180mm f/3.5 EX APO Macro IF F		7.21	4.81	8.66		5.40	8.46	3.5		13 10	9	1 ~	3 1	1	4	8.4 7 0.0 7	2	\$ 1,220 \$ 689	
					EF 200mm f/2.8L II USM EF 300mm f/2.8L IS USM	200 300	6.49 4.33		7.80 5.20		6.00 9.00	7.61 5.07		107.14		8	1	2 1 1 2 1	1 1 1	1 8	7.2 7 9.6 5	2 7/1999	\$ 660 \$ 3,900	
					EF 300mm f/4L IS USM EF 400mm f/2.8L IS USM	400	3.25	2.17	3.90	12.33	11.99	3.81	2.8	75.00 142.86	17 13	8	1	2 1 1 2 1	1 1	1 18	1.6 7 8.8 5	2 9/1999	\$ 1,150 \$ 6,500	\$ 45
					EF 400mm f/4 DO IS USM EF 400mm f/5.6L USM								5.6	100.00 71.43	7 6	8	1 1	1 1 1	1 1 1	4	4.8 7		\$ 1,100	\$ 40
					EF 500mm f/4 IS USM EF 600mm f/4L IS USM	500 600	2.60		2.60	15.41 18.49	17.98	3.04 2.54	4.0	125.00 150.00	17 13	8	1	1 1 1 1 1 1	1 11	1 18	6.0 5 8.8 5	2 9/1999	\$ 5,500 \$ 7,200	
					EF 1200mm f/5.6L USM Sigma 12-24mm f/4.5-5.6 EX DG ASP	1200 12		64.41	97.26		0.48	1.27	4.5		13 10 16 12		1.	' <u>'</u>	1 1		2.4 4 1.6 #N/		#N/A \$ 709	
					Sigma 15-30mm f/3.5-4.5 EX ASP DG I	24 15 30		34.96 53.49 28.28	59.17 84.50 48.86			63.44 101.50 50.75	5.6 3.5 4.5	4.29 4.29 6.67	17 13	8	-	-		2	1.8		\$ 499	
					EF 16-35mm f/2.8L USM	16	70.64	50.57	40.00 80.84 42.54	0.55	0.58	95.15	2.8	5.71	14 10	7	1 3	2 1	1 1	2	1.2 7	7 12/2001	\$ 1,400	\$ 50
					EF 17-40mm f/4L USM	17 40	67.40		77.43 37.62	0.58	1.10 0.60 1.24	43.50 89.56 38.06	2.8 4.0 4.0	12.50 4.25 10.00	12 9	7	1 3	1 1	1 1	1	7.6 7	7 5/2003	\$ 680	\$ 25
					EF 20-35mm f/3.5-4.5 USM	20	59.10 35.90	41.40	68.53 42.54	0.66	0.68	76.12 43.50	3.5 4.5		12 11	5	1	<u> 1</u>	1	1	2.0 7	7 3/1993	\$ 370	
					EF 24-70mm f/2.8L USM Sigma 24-70mm f/2.8 EX ASP DG DF	24 70	50.57 18.40	34.96	59.17	0.78	0.79	63.44 21.75	2.8		16 13 14 13		1 2	1 1	1 1 ? ?		3.6 7 4.7 8	7 11/2002	\$ 1,150 \$ 439	\$ 45
					EF 24-85mm f/3.5-4.5 USM	24 85	50.57 15.19	34.96	59.17 18.21	0.78	0.79	63.44 17.91	3.5 4.5		15 12		1 1	1	1		3.4 6		\$ 310	
					EF 24-105mm f/4L IS USM	24 105	50.57 12.33	34.96	59.17 14.79	0.78	0.79 3.16	63.44 14.50	4.0 4.0		18 13	8	1 3	1 1	1 1 1	2	3.6 7	7 8/2005	too new	
					EF 28-135mm f/3.5-5.6 IS USM	28 31.5	44.09 39.59		51.90 46.78	0.90 1.00	0.90 1.00	54.37 48.33	3.5 #N/A	8.00 #N/A	16 12	6	1 1	1	1 1	1	8.9 7	2 2/1998	\$ 410	\$ 15
					EF 28-200mm f/3.5-5.6 USM	135 28	9.60 44.09		11.53 51.90	4.17 0.90		11.28 54.37	5.6 3.5		16 12		1 2	1				2 9/2000		\$ 15
					EF 28-300mm f/3.5-5.6L IS USM	300	4.33		5.20	9.25	9.00	5.07	3.5 5.6	53.57	22 16	8	1 3 ?	3 ? 1	1 1 ? 1	? 5	8.9 7	7 5/2004	\$ 2,499	
					EF 55-200mm f/4.5-5.6 II USM	200 55		15.65	7.80 27.83	1.71	6.00 1.68	7.61 27.68	5.6 4.5		13 13	6	1		1	1	0.9 5	2 9/2003	\$ 210	
					EF 70-200mm f/2.8L IS USM	200 70	6.49 18.40	12.33	7.80 22.03	2.17		7.61 21.75	5.6 2.8	35.71 25.00			1	4 1	1 1		1.2 7	7 9/2001	\$ 1,700	\$ 50
					EF 70-200mm f/2.8L USM EF 70-200mm f/4L USM	200 70 200	6.49 18.40 6.49	12.33	7.80 22.03 7.80			7.61 21.75 7.61	2.8 4.0 4.0	71.43 17.50 50.00				1 2 1	1		6.4 7 5.0 6		\$ 1,140 \$ 580	
					EF 70-300mm f/4.5-5.6 DO IS USM	70	18.40	12.33	22.03	2.17	2.12	21.75	4.5	15.56	18 12	6	11?	? ? 1	1 ? 1	? 2	5.4 5	8 5/2004	\$ 1,299	
					EF 70-300mm f/4-5.6 IS USM	300 70 300	4.33 18.40	2.89 12.33 2.89	5.20 22.03 5.20	2.17	9.00 2.12 9.00	5.07 21.75 5.07	4.0	53.57 17.50 53.57		8	1	1	1 1	2	2.2 5	8 8/2005	too new	
					EF 75-300mm f/4-5.6 IS USM	75 300	4.33 17.19 4.33	11.51	20.59 5.20	2.32	2.27 9.00	20.30	4.0	18.75 53.57		8	1		1	2	2.4 5	8 9/1995	\$ 415	\$ 15
					EF 80-200mm f/4-5.6 II	80 200	16.13 6.49	10.79	19.33 7.80	2.48	2.42	19.03 7.61	4.0	20.00 35.71								2 3/1995	\$ 130	
					EF 100-400mm f/4.5-5.6L IS USM	100 400	12.94 3.25		15.52 3.90		3.02	15.22 3.81	4.5		17 14	8	1	1 1 1	1 1	1 4	8.0 7	7 11/1998	\$ 1,410	\$ 50
Canon EOS 300D / 20D	3072 2048	22.67 15.12	1.5 27.25	342.8 135.	48 EF-S 10-22mm f/3.5-4.5 USM	10 22	97.17 54.53	74.17 37.92				152.25 69.20	3.5 4.5	4.89	13 10		1 2	1 ?	1 ? ?	? 1		7 9/2004		
					EF-S 18-55mm f/3.5-5.6	18 31.5		45.56 26.99	74.25 46.78	1.00	1.00	84.58 48.33	3.5 #N/A		11 9	6	1	. 1	1		6.7 5	8 9/2003	\$ 140	
					EF-S 17-85mm f/4.5-5.6 IS USM	55 17	67.40	47.94	27.83 77.43	0.58	0.60	27.68 89.56	5.6 4.5		17 12	6	1 1	?	1 ? ?	? 1	6.8 6	7 9/2004	\$ 600	
					EF-S 60mm f/2.8 Macro USM	85 60	21.40		18.21 25.59	1.86		17.91 25.37		15.18 21.43	12 8	7	1	<u> 1</u>	1 1	1 1	1.8 5	2 3/2005	\$ 450	
Canon EOS 1D Canon EOS	2464 1648		1.5 34.47		54 Generic (zoom factor 1)	40	39.47	26.86	46.63	1.00	1.00	60.06												
Canon EOS 1DII / 1DII N Canon EOS	3504 2336 4064 2704		1 5 40 00	122		49.5	20.70	27.04	46.94	1.00	1.00	42.24												
1Ds Canon EOS	4064 2704 4992 3328		1.5 42.99		52 Generic (zoom factor 1) 67 Generic (zoom factor 1)	49.5			46.94															
1Ds II Canon EOS	4368 2912				01 Generic (zoom factor 1)	49.5		27.14		1.00														
5D Canon G3					52 Standard: 7.2-28.8mm f/2-3	7.2		40.76				89.94	2.0	3.60	? ?	2				#1	I/A #N/	11/2002	#N/Δ	
		50 5.55	0.010	22.10 310	E E E E E E E E E E E E E E E E E E E	10.4	37.86	28.85 10.61	46.41 17.60	0.99	1.01	62.27		#N/A 9.60						#IV		,2002		
					Standard + WC-DC58N (0.7x) Standard + TC-DC58N (1.75x)	5.04 50.4		55.91	82.99 10.11	0.52	0.56	128.49	1.4	3.60	3 1 3 1						9.7 5 6.5 5		\$ 129 \$ 89	
Canon S30	2048 1536	7.137 5.352	1.33 8.921	38.2 286	97 Standard: 7.1-21.3mm f/2.8-4.9	7.1	53.37	41.31 28.86	64.28 46.43	0.70	0.73	101.23	2.8	2.54 #N/A	7 5					1	1.4 #N/	A 10/2001		
Fuji FinePix	1600 1200	5.275 3.956	1.33 6.594	20.87 303	32 Standard: 6-18mm	21.3 6	19.02 47.46	14.32 36.49	23.65 57.58	1.98 0.79	1.98 0.81	33.74 113.34	4.9 3.5		? ?					#N	I/A #N/		#N/A	
2600						7.7 18		28.82 12.54	46.36 20.76		1.01 2.25	88.32 37.78	3.5 3.5	2.20 5.14										
Key to Highlig																								

Key to Highlighting

Same as above.*
The 'zoom factor (HA and VA)' is based on the on-axis AoV product for rectilinear lenses and deesn't consider the increased AoV at the frame edge due to the curve of the sensor projection through the lens to the infinite sphere for non-perspective-corrected lenses. It is inversely proportional to the equivare root of the 'defished' (natural perspective) rectangle area. In a true-area sense, it is inversely proportional to the equivare not of the 'defished' (natural perspective) rectangle area. In a true-area sense, it is inversely proportional to the equivarient of the DAOV of the configurations. The 'zoom factor (DA)' is based on the ratio of the DAOV of the sensor in the DAOV with from dereview com reviews. See accuracy note below.
The sensor in the Fuji FinePhy 2600 is specified as 122.7°. See depreview com for conversion. See accuracy note below.
The most 'standard' shooting configuration for the camera, where 'standard' is defined according to zoom factor equivalent to a 50mm lens of a 35mm SLR camera.

Notes
Primary information sources: canon.com and pricegrabber.com.
The focus is on Canon lenses, but select Sigma lenses are also included.
All current, prime lenses (including macros) are listed. All lenses featuring IS are included. All all that wide zoom lenses are included. A sampling of other zoom lenses is included. Select discontinued lenses are included.
The difference between calculated and reported (EXF) sensor resolution is very small and as (or better than) expected given the documented precision. Canon G3 -0.3%; Fuji FinePix 2600 -0.7%; The Canon D60 reports non-square pixels in EXIF (less than 0.06% disagreement).
Taking the geometric mean (non-spatial resolution distorting) as canonical, the calculations above are in disagreement by only -0.052%.