

Diferite camere si caracteristicile rezultante respectand criteriul Nyquist ( $2''/\text{pixel}$ )

	Nr. pixeli	Mega pixeli	Dimensiuni pixel	Dimensiuni senzor	Diagonala cip	Diagonala FOV	Focala optima
<b>DSLR</b>							
Canon EOS 300D	3072 x 2048	6,3	7,4 $\mu\text{m}$	22,7mm x 15,1mm	27,3mm	2° 3'	760 mm
Canon EOS 350D	3456 x 2304	8,0	6,4 $\mu\text{m}$	22,2mm x 14,8mm	26,7mm	2° 18'	660 mm
Canon EOS 400D	3888 x 2592	10,1	5,7 $\mu\text{m}$	22,2mm x 14,8mm	26,7mm	2° 36'	590 mm
Canon EOS 450D	4272 x 2848	12,2	5,2 $\mu\text{m}$	22,2mm x 14,8mm	26,7mm	2° 51'	540 mm
Canon EOS 500D	4752 x 3168	15,1	4,7 $\mu\text{m}$	22,3mm x 14,9mm	26,8mm	2° 64'	480 mm
Canon EOS 10D	3072 x 2048	6,3	7,4 $\mu\text{m}$	22,7mm x 15,1mm	27,3mm	2° 3'	760 mm
Canon EOS 20D(a)	3504 x 2336	8,2	6,4 $\mu\text{m}$	22,5mm x 15,0mm	27,0mm	2° 20'	660 mm
Canon EOS 30D	3504 x 2336	8,2	6,4 $\mu\text{m}$	22,5mm x 15,0mm	27,0mm	2° 20'	660 mm
Canon EOS 40D	3888 x 2592	10,1	5,7 $\mu\text{m}$	22,2mm x 14,8mm	26,7mm	2° 36'	590 mm
Canon EOS 5D	4368x2912	12,7	8,2 $\mu\text{m}$	25,8mm x 23,9mm	43,0mm	2° 55'	840 mm
Nikon D40(x)	3872 x 2592	10,0	6,1 $\mu\text{m}$	23,6mm x 15,8mm	28,4mm	2° 35'	630 mm
Nikon D50	3008 x 2000	6,0	7,9 $\mu\text{m}$	23,7mm x 15,6mm	28,4mm	2° '	810 mm
Nikon D60	3872 x 2592	10,0	6,1 $\mu\text{m}$	23,6mm x 15,8mm	28,4mm	2° 35'	630 mm
Nikon D70(s)	3008 x 2000	6,0	7,9 $\mu\text{m}$	23,7mm x 15,6mm	28,4mm	2° 0'	810 mm
Nikon D80	3872 x 2592	10,0	6,1 $\mu\text{m}$	23,6mm x 15,8mm	28,4mm	2° 35'	630 mm
Nikon D200	3872 x 2592	10,0	6,1 $\mu\text{m}$	23,6mm x 15,8mm	28,4mm	2° 35'	630 mm
<b>Camere CCD</b>							
Kodak KAF-026x	512x512	0,3	20,0 $\mu\text{m}$	10,2mm x 10,2mm	14,4mm	0°24'	2050 mm
Kodak KAF-040x	765x510	0,4	9,0 $\mu\text{m}$	6,9mm x 4,6mm	8,3mm	0°31'	930 mm
Kodak KAF-100x	1024x 1024	1,0	24,0 $\mu\text{m}$	24,5mm x 24,5mm	34,6mm	0°48'	2460 mm
Kodak KAF-130x	1280 x 1024	1,3	16,0 $\mu\text{m}$	20,5mm x 16,4mm	26,3mm	0° 55'	1650 mm
Kodak KAF-160x	1530x 1020	1,6	9,0 $\mu\text{m}$	13,8mm x 9,2mm	16,6mm	1° 1'	930 mm
Kodak KAF-320x	2184x 1472	3,2	6,8 $\mu\text{m}$	14,9mm x 10,0mm	17,9mm	1° 28'	700 mm
Kodak KAF-630x	3072 x 2048	6,3	9,0 $\mu\text{m}$ x 9,2 $\mu\text{m}$	27,7mm x 18,5mm	33,3mm	2° 42'	940 mm
Kodak KAI-202x	1600x 1200	1,9	7,4 $\mu\text{m}$	11,8mm x 8,9mm	14,8mm	1° 7'	760 mm
Kodak KAI-402x	2048 x 2048	4,2	7,3 $\mu\text{m}$	15,0mm x 15,0mm	21,2mm	1°37'	750 mm
Kodak KAI-1100x	4008 x 2672	10,7	9,0 $\mu\text{m}$	36,0mm x 24,7mm	43,4mm	2° 41'	930 mm
Sony ICX285AK Exview HAD	1392 x 1040	1,4	6,4 $\mu\text{m}$	8,9mm x 6,7mm	11,1mm	0°58'	660 mm
Sony ICX405AL Super- HAD	500 x 580	0,3	9,8 $\mu\text{m}$ x 6,3 $\mu\text{m}$	4,9mm x 3,7mm	6,1mm	0°21'	830 mm
Sony ICX406AQ Super- HAD	2312 x 1720	4,0	3,1 $\mu\text{m}$	7,2mm x 5,4mm	9,0mm	1° 36'	320 mm
Sony ICX413AQ Super-HAD	3024x2016	6,1	7,7 $\mu\text{m}$	23,4mm x 15,6mm	28,1mm	2° 1'	800 mm
Sony ICX423AL Super- HAD	752 x 580	0,4	11,4 $\mu\text{m}$ x 11,2 $\mu\text{m}$	8,6mm x 6,5mm	10,8mm	0°31'	1160 mm
Sony ICX424AL Super- HAD	660 x 494	0,3	7,04 $\mu\text{m}$	4,9mm x 3,7mm	6,1mm	0°27'	760 mm

Sony ICX429AL Exview	752 x 580	0,4	8,4 $\mu$ m x 8,2 $\mu$ m	6,3mm x 4,8mm	7,9mm	0°31'	830 mm
Sony ICX424AL Super- HAD	660 x 494	0,3	7,04 $\mu$ m	4,9mm x 3,7mm	6,1mm	0°27'	760 mm
Sony ICX429AL Exview	752 x 580	0,4	8,4 $\mu$ m x 8,2 $\mu$ m	6,3mm x 4,8mm	7,9mm	0°31'	830 mm

Focala optima se calculeaza astfel

$$2=(206 \times Ps) / F$$

Unde

2= criteriul de 2"/pixel

Ps= pixel size

F=focala

Cand se cunoaste focala

$$Rez=(206 \times Ps) / Focala$$