

Digital & Film Sensor List

Small frame (0<25)		Regular Frame (25<50)				Medium Frame (50<100)		Large Frame (100<^)	
Brand	Type	(MP) or (- perf)	Pixels	Crop Factor	Image Circle (Diagonal)	Primary Use	Frame Size	Extra Info	Year

Film Stock

3mm									1960-
8mm					5.94 mm	Video	4.8 mm x 3.5 mm	(4.5x3.3mm useable)	1932-
Super 8					7.04 mm	Video	5.79 mm x 4.01 mm		1965-
Ultra Pan8					11.16 mm	Video	10.52 mm x 3.75 mm		2011-
9.5 mm									1922
11 mm	Duplex	2 - perf							1923
13 mm	French								1899
15 mm	Pocket Chrono	1 - perf							1900
Standard 16mm				3.4x	12.70 mm	Video	10.26 mm x 7.49 mm		1923-
Ultra 16					13.18 mm	Video	11.66 mm x 6.15 mm	Largest area possible on frame	2005-
Super 16			2060 x 1218		14.54 mm	Video	12.52 mm x 7.41 mm	The lens is offset compared to regular	1971-
17 mm	French					Sound			1930
17.5 mm									1898
18 mm	Russian	1 - perf							1925
19 mm	Kinetoscope Cyclinder	6 - perf							1891
21 mm	Mirograph	1 notch							1900
22 mm	Cinebloc	2 - perf							1922
24 mm	Cinelux								1924
26 mm	French	1 - perf							1920
28 mm	French	1 - perf							1918
Acedemy 35mm	185				24.95 mm	Video	21.95 mm x 11.86 mm	(0.864" x 0.467")	
Acedemy 35mm	Old		3620 x 2632		27.2 mm	Video	22 mm x 16 mm	21.95 x 16 mm (0.864" x 0.630")	1932-
Super 35	16 x 9				28.5 mm	Video	24.89 mm x 14 mm	(0.980" x 0.551")	
Super 35	185	3 - perf	4096 x 2286		28.5 mm	Video	24.89 mm x 13.45 mm (13.89)	(0.980" x 0.530")	
35mm			4096 x 3072		31.11 mm	Video	24.89 mm x 18.67 mm	Half of Frame	1909-
Super 35	4 x 3	4 - perf	4096 x 3072		31.11 mm	Video	24.89 mm x 18.66 mm	(0.980" x 0.735")	1982-
Vista Vision	16 x 9				40.38 mm		36 mm 18.30 mm		
Vista Vision	FF35 135 Still Film				43.30 mm	Stills	36 mm x 24 mm		
Vista Vision	16 x 9	8 - perf	6204 x 4114		45.24 mm	Video	37.72 mm x 25 mm		
38 mm	Sivan-Dalphin	2 - perf							1896
40 mm						Video			
48 mm									1897
50 mm									1930
51 mm	Eidoloscope	4 - perf							1895
54 mm	Bioscop	4 - perf							1892
55 mm	20th Century Fox	8 - perf							1955
56 mm	Magnafilm	4 - perf							1929
57 mm	Widevision	5 perf							1926
60 mm						Video			1891

[illegible]

Digital Sensors

1/4 video	Sony HVR-V1U								
1/3.2 video			7.61x	5.28 mm	Video		4.23 mm x 3.17 mm		CMOS Sensor
1/3.2 video			7.61x	5.68 mm	Smartphones		4.54 mm x 3.42 mm		
1/3 video			7.2x	6 mm	Smartphones		4.80 mm x 3.60 mm		
1/2.7 video				6.72 mm			5.37 mm x 4.04 mm		
1/2.6 video			6.3x	6.86 mm	Smartphones		5.5 mm x 4.1 mm		
1/2.5 video			6x	7.18 mm			5.76 mm x 4.29 mm		
1/2.3 video			5.62x	7.66 mm			6.17 mm x 4.55 mm		
DJI	2/3 video	48		7.86 mm	Drone		6.3 mm x 4.7 mm		Mavic Pro
1/2 video			5.62x	7.93 mm	Video		6.35 mm x 4.75 mm		
Aja	RovoCam		3840 x 2160						
1/1.8 video		10	3648 x 2736				7.18 mm x 5.32 mm		
1/1.7 video	Canon			4.7x			7.44 mm x 5.58 mm		
1/1.7 video				4.6x			7.6 mm x 5.7 mm		
DJI	Zenmuse XT2	12	3840 x 2160		FLIR				CMOS 1/1.7 video
2/3 video	B4 mount			3.9x	Video		8.46 mm x 6.33 mm		Up to (8.8 mm x 6.6 mm)
2/3 video				3.9x	Broadcast		8.85 mm x 5 mm		
2/3 video							9.6 mm x 5.4 mm		
Red - 2/3				3.9x			10.1 mm x 5.35 mm		
Axiom	2/3 video		2048 x 1088	3.9x	Video				CMV2000
Ikonoskop							10.6 mm x 6 mm		A-Cam dII CCD sensor
1/1.2							10.67 mm x 8 mm		
Blackmagic	Pocket				Video		12.48 mm x 7.02 mm		Super 16 film size sensor
Hasselblad	L1D-20c	20	5472 x 3648		Drone		13.2 mm x 8.8 mm		Mavic Pro 2 & Zoom 2
1 inch video				2.7x	Video		12.7 mm x 9.5 mm		(3 x 4) active area
Nikon 1				2.7x	Photography Video		13.2 mm x 8.8 mm		2.7x crop factor
Digital bloex							12.85mm x 9.64 mm		Kodak CCD sensor
Phantom	Mrio LAB 3a10		1280 x 1280				12.8 mm x 12.8 mm		
Blackmagic	2.5K				Video		15.81 mm x 8.88 mm		Active (15.6 mm x 8.8 mm)
Red Scarlet					Video		16.65 mm x 9.36 mm		3k video
M4/3	16 x 9			2x			17.3 mm x 9.73 mm		
Panasonic	GH4			2x			17.3 mm x 9.7 mm		
Zenmuse	X5S X5R				Drone		17.3 mm x 13 mm		Insipre 1 & 2
M4/3	"M43"			2x			17.3 mm x 13 mm (12.98 mm)		2x Crop factor
Axiom	4/3 video		4096 x 3072	2x					KAC12040
Panasonic	GH5						17.3 mm x 13 mm		4k
Panasonic GF2	Variation M43						17.3 mm x 13 mm		
Blackmagic	Pocket CC 4K		4096 x 2160				18.96 mm x 10 mm		
Phantom	Miro LAB 320 & 321S	2	1920 x 1200				19.2 mm x 12 mm		
1.5 inch				1.9x			18.7 mm x 14 mm		
Red 1	4K		3840 x 2160				20.73 mm x 11.65 mm		
Red Epic	4K						20.77 mm x 11.68 mm		Smaller than Sony E & APS-C
Sigma	Foveon						20.7 mm x 13.8 mm		
Aja	CION		4096 x 2160				22.5 mm x 11.9 mm		
Red Raven			4608 x 2304				23.04 mm x 10.8 mm		Maybe (23.04 mm x 11.52 mm)
Canon	APS-C			1.6x			22.3 mm x 14.9 mm		
Sony	E						23.4 mm x 13.6 mm		16 x 9 (F3L 23.6 mm x 13.3 mm)

Sony	FS7 FS5 F5 F55			27.15 mm	Photography Video	24 mm x 12.7 mm	(1.78:1) EVA 1 (5720 x 3016) Vari 35 (4096 x 2160)
Arri Alexa	16 x 9	2880 x 1620		27.26 mm		23.76 mm x 13.4 mm	
Panasonic	Vaicom 35 EVA 1 LT			27.81 mm		24.6 mm x 12.97 mm	
Sony	F65	5782 x 3060		27.94 mm		24.7 mm x 13.07 mm	
Red	One 4K	4520 x 2540		27.98 mm	Photography Video	24.4 mm x 13.7 mm	1.5 x crop factor 5.5k Super 35 mm equivalent Inspire 2
Sony	E NEX			28.12 mm		23.4 mm x 15.6 mm	
Canon	7D			28.12 mm		23.4 mm x 15.6 mm	
Canon	C - 100 200 300 500			28.21 mm		24.6 mm x 13.8 mm	
Zenmuse	X7			28.26 mm		23.5 mm x 15.7 mm	
Fujiifilm	APS-C		1.54x	28.43 mm		23.6 mm x 15.8 mm	
Sigma	APS-C		1.54x	28.43 mm		23.6 mm x 15.8 mm	
Sony	APS-C		1.54x	28.43 mm		23.6 mm x 15.8 mm	
Nikon	APS-C		1.54x	28.43 mm		23.7 mm x 15.8 mm	
Red	Scarlet Dragon-X 5K	5120 x 2700		28.94 mm		25.6 mm x 13.5 mm	
Blackmagic	Ursa Mini Pro 4.6K	4608 x 2592		29.07 mm		25.34 mm x 14.25 mm	
Arri Alexa	4 x 3			29.70 mm		23.8 x 17.82 mm	
APS-C			1.52x	30.15 mm		25.1 mm x 16.7 mm	CMV12000 models up to 7400 fps VEO 340 Miro 341 & 111 & 311
Axiom	Beta	4096 x 3072		30.15 mm		25.1 mm x 16.7 mm	
Phantom	VEO 310 410 710	1280 x 800		30.19 mm		25.6 mm x 16 mm	
Phantom		2560 x 1600		30.19 mm		25.6 mm x 16 mm	
Sony	F55 & FS7 II	4096 x 2160		30.64 mm		27.1 mm x 14.29 mm	938 fps at 4K
Canon	C300 MK II	4096 x 2160		30.87 mm		27.3 mm x 14.44 mm	
ANSI	S35 Silent			31.10 mm		24.89 mm x 18.66 mm	
Red	Mysterium X Scarlet	5120 x 2700		31.31 mm		27.7 mm x 14.6 mm	
Red	Gemini 5K	5120 x 3000		31.31 mm	Video	27.7 mm x 14.6 mm	
Phantom	Flex 4K S990	4096 x 2304		31.70 mm		27.6 mm x 15.5 mm	
Arri Alexa	SXT & Mini	3424 x 2202		33.59 mm		28.25 mm x 18.17 mm	
Canon	Pro DSLR			33.75 mm		28.1 mm x 18.7 mm	
Red	Helium Weapon 8K	8192 x 4320		33.80 mm		29.90 mm x 15.77 mm	v1212 v2512 v2012 v1612
APS-H			1.29x	33.84 mm		28 mm x 19 mm	
APS-H			1.29x	34.51 mm		30.2 mm x 16.7 mm	
Red	Dragon Weapon 6K	6144 x 3160		34.55 mm		30.72 mm x 15.8 mm	
Red	Gemini 5K	5120 x 3000		35.61 mm		30.72 mm x 18 mm	
Phantom	v1840 v2640	2048 x 1920		38.12 mm		27.6 mm x 26.3 mm	
Phantom	High speed	1280 x 800		42.23 mm		35.8 mm x 22.4 mm	
Sony	Venice 6K	6048 x 4032		43.14 mm		35.9 mm x 23.93 mm	
Full Frame			1x	43.27 mm		36 mm x 24 mm	
Alexa	LF	4448 x 3096		44.71 mm		36.7 mm x 25.54 mm	
Canon	C700 FF	5952 x 3140		43.07 mm		38.09 mm x 20.1 mm	
Red	Monstro Weapon 8K	8192 x 4320		46.31 mm		40.96 mm x 21.60 mm	
Lecia	S - series	37.5		54.08 mm		30 mm x 45 mm	Leaf Credo 40 Leaf Credo 50
Sinar	S30 S45			54.08 mm		45 mm x 30 mm	
Hasselblad	X1D-50c		0.79x	54.78 mm		43.8 mm x 32.8 mm	
Pentax	645Z	51.4		55 mm		44 mm x 33 mm	
Alexa	65	6560 x 3100		59.87 mm		54.12 mm x 25.59 mm	eVolution86 H Sinarback eXact
Sinar	Multi shot	192	8000 x 6000	60 mm		48 mm x 36 mm	
Kodak	KAF 39000 CCD		0.71x	61.30 mm		49 mm x 36.80 mm	
Mamiya	Leaf Aptus-II 10	56	9334 x 6000	66.57 mm		56 mm x 36 mm	
Hasselblad	H6D-100c	100	0.65x	67.08 mm	Photography	53.7 mm x 40.2 mm	Leaf Aptus-II 12 Leaf Credo 80 P 65 IQ1 Leaf Credo 60
Phase One	XF	101	11608 x 8708	67.40 mm		53.90 mm x 40.40 mm	

LargeSense	LSX45	595		153.67 mm	Photograghy Video	9.6 cm x 12 cm		2022
LargeSense	LSX617	486		177.10 mm	Video	5.6 cm x 16.8 cm		2023
LargeSense	LS45	6.7	1920 x 1080	183.76 mm	Photograghy Video	4.7 in x 5.5 in	16 stops Dynamic Range	2019
LargeSense	LSX88	2000		287.37 mm	Photography	8 in x 8 in	16 stops Dynamic Range	2023
Canon	APS-H CMOS	121.96	13280 x 9184	287.80 mm		20.2 cm x 20.5 cm		
LargeSense	LS911	12	3888 x 3072	361 mm	Photograghy Video	9 in x 11 in	14 bit AD; 16 bit files	2018
Canon		240	26360 x 18368	575.60 mm (?)		40.4 cm x 41 cm (?)		