

FILM Formats

Name	Width (mm)	Height (mm)	Aspect Ratio	Diagonal (mm)	Area (cm2)	AOV multiplier
IMAX	71.09	52.63	1.35	88.5	37.41	2.86
Standard 65mm film	52.48	23.01	2.28	57.3	12.08	2.11
Vista Vision	37.72	25.17	1.5	45.3	9.49	1.51
ANSI Super 35 4-perf	24.89	18.66	1.33	31.1	4.64	1
ANSI Super 35 3-perf	24.89	13.87	1.79	28.5	3.45	1
ANSI Super 35 2-perf	24.89	9.47	2.63	26.6	2.36	1
Modern Anamorphic film	22	18.6	1.18	28.8	4.09	0.88
Academy 35mm	21.95	16	1.37	27.2	3.51	0.88
Panavision Anamorphic film	21.31	17.78	1.2	27.8	3.79	0.86
Standard 16mm	10.26	7.49	1.37	12.7	0.77	0.41
Super 16mm	12.52	7.42	1.69	14.6	0.93	0.5
Standard 8mm	4.88	3.68	1.33	6.1	0.18	0.2
Super 8mm	5.69	4.22	1.35	7.1	0.24	0.23

DIGITAL Formats

Name	Width (mm)	Height (mm)	Aspect Ratio	Diagonal (mm)	Area (cm2)	AOV multiplier
Arri Alexa 65 Open Gate	54.12	25.59	2.11	59.9	13.85	2.17
Phantom 65	52.1	30.5	1.71	60.4	15.89	2.09
Full Frame Video HD/SLR	36	20.25	1.78	41.3	7.29	1.45
Red Epic Dragon 6K full sensor	30.7	15.8	1.94	34.5	4.85	1.23
Arri Alexa Open Gate	28.17	18.13	1.55	33.5	5.11	1.13
Red Epic Dragon 6K HD (16:9)	27.82	15.65	1.78	31.9	4.35	1.12
APS-H Video HD/SLR	27.9	15.69	1.78	32	4.38	1.12
Red Epic MX 5K full sensor	27.65	14.58	1.9	31.3	4.03	1.11
Red Epic MX 5K HD (16:9)	25.92	14.58	1.78	29.7	3.78	1.04
Sony F65	24.7	13.1	1.89	28	3.24	0.99
Canon C300 / C500	24.6	13.8	1.78	28.2	3.39	0.99
Red One 4.5K Widescreen	24.4	10.5	2.32	26.6	2.56	0.98
Sony F5 / F55	24	12.7	1.89	27.2	3.05	0.96
Arri D-21 / Alexa (4:3)	23.76	17.82	1.33	29.7	4.23	0.95
Arri D-21 / Alexa (16:9)	23.76	13.365	1.78	27.3	3.18	0.95
Arri Alexa ProRes 2K 4:3	23.661	17.738	1.33	29.6	4.2	0.95
Arri Alexa ProRes 2K 16:9	23.661	13.299	1.78	27.1	3.15	0.95
Sony F35 / Panavision Genesis	23.6	13.3	1.77	27.1	3.14	0.95
APS-C Video HD/SLR	22.3	12.54	1.78	25.6	2.8	0.9
Red One 4K 16:9	22.1	12.4	1.78	25.3	2.74	0.89
PS Cam X35	21.1	11.9	1.77	24.2	2.51	0.85
Red Epic 5K anamorphic	18	14.6	1.23	23.2	2.63	0.72
Four Thirds Video	17.8	10	1.78	20.4	1.78	0.71
ANSI 2-perf Super 35 16:9 extraction	16.9	9.5	1.78	19.4	1.6	0.68
Red One 3K 16:9	16.5	9.3	1.77	18.9	1.53	0.66
Arri Alexa 2x ana (side crop from 16:9)	15.97	13.365	1.19	20.8	2.13	0.64
Blackmagic Cinema Camera	15.81	8.88	1.78	18.1	1.4	0.63
Red One 4K ana	15.2	12.4	1.23	19.6	1.88	0.61
Red One 3K ana	11.4	9.3	1.23	14.7	1.06	0.46
Red One 2K 16:9	11	6.2	1.77	12.6	0.68	0.44
Ikonoskop A-Cam dII	10.6	6	1.77	12.2	0.64	0.43
2/3" 16:9	9.59	5.39	1.78	11	0.52	0.39
2/3" 4:3	8.8	6.6	1.33	11	0.58	0.35
Red One 2K ana	7.6	6.2	1.23	9.8	0.47	0.31
1/2" video	7	3.9	1.78	8	0.27	0.28
1/3" video	4.8	3.6	1.33	6	0.17	0.19

note anamorphic 2x horizontal fov

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