

Dimensions in mm; figures rounded; diagonal determines lens format; AR is aspect ratio; divide comparable dimensions for format factor; lp/mm figures for dimension with highest resolution; 1920 represents lp/mm at full-HD resolution.

<u>Camera</u>	<u>Diagonal</u>	<u>AR</u>	<u>:1</u>	<u>Width</u>	<u>Height</u>	<u>lp/mm</u>	<u>1920</u>
Vision Research Phantom 65	59.6	5:3	1.67	51.2	30.5	40	19
Full-frame DSLR (Canon 5D)	43.3	3:2	1.5	36	24		27
Dalsa Origin, Evolution	38.1	~2:1	1.98	34.0	17.2	60	31
NAC Memrecam fx K4	35.6	5:4	1.25	27.8	22.2	23	35
Super Hi-Vision 2.5-inch	34	16:9	1.78	29.8	16.4	129	32
Super 35 film	31.1	4:3	1.33	24.9	18.7	--	--
Weisscam HS-2	31.1	4:3	1.33	24.9	18.7	55	39
ARRI D-21	30.8	4:3	1.33	23.8	17.8	61	40
Vision Research Phantom HD	29.1	16:9	1.78	25.6	13.9	40	38
APS-C Canon 7D	28.6	~13:8	1.64	24.4	14.9		39
APS-C Nikon, Pentax DSLR	28.4	3:2	1.5	23.6	15.8		41
Red One	28.0	16:9	1.78	24.4	13.7	93	39
Panavision Genesis	27.5	16:9	1.78	24.0	13.5	120	40
35-mm Academy aperture film	27.3	11:8	1.38	22.0	16.0	--	--
APS-C Canon DSLR	26.8	3:2	1.5	22.3	14.9		43
Photron Ultima APX-RS	24.6	1:1	1	17.4	17.4	29	55
Panasonic 4/3 DSLR	21.6	16:9	1.78	18.9	10.6		51
Weinberger Cine SpeedCam	20	~3:2	1.55	17	11	47	56
Super Hi-Vision/4K 1.25-inch	19	16:9	1.78	16.6	9.2	231	58
Weisscam HS-1	19	5:4	1.25	15	12	43	64
1-inch 1035-line HDTV	16.0	16:9	1.78	13.9	7.8	69	69
1-inch 720-line HDTV	16.0	16:9	1.78	13.9	7.8	46	69
Super 16 film	14.5	5:3	1.67	12.5	7.4	--	--
16-mm film	12.7	11:8	1.38	10.3	7.5	--	--
Ikonoskop a-cam dII	12.2	16:9	1.78	10.6	6.0	90	90
Olympus Octavision	11.0	16:9	1.78	9.6	5.4	200	100
Silicon Imaging SI-2K	11.0	16:9	1.78	9.6	5.4	107	100
2/3-inch 1080-line HDTV	11.0	16:9	1.78	9.6	5.4	100	100
2/3-inch 720-line HDTV	11.0	16:9	1.78	9.6	5.4	67	100
1/2-inch 1080-line HDTV	8.0	16:9	1.78	7.0	3.9	138	138
1/3-inch 1080-line HDTV	5.6	16:9	1.78	4.9	2.7	197	197
1/3-inch 720-line HDTV	5.6	16:9	1.78	4.9	2.7	131	197
1/4-inch 1080-line HDTV	4.5	16:9	1.78	3.9	2.2	245	245
1/5-inch 1080-line HDTV	3.6	16:9	1.78	3.1	1.8	316	316
1/6-inch 1080-line HDTV	3.0	16:9	1.78	2.6	1.5	379	379

Extended at arm's length: Angle

pinkie nail	~0.5°
pinkie	~1°
thumb width	~2°
thumb top to joint	~3°
three-finger salute	~5°
thumb length	~7.5°
clenched fist	~10°
thumbs touching (director)	~15°
spread hand	~20°

2/3-inch lens 16:9 equivalent focal length

~1100 mm - tight end of sports long lens
~550 mm - tight end of 66x
~270 mm
~185 mm - tight end of ~20x handheld
~110 mm
~75 mm
~55 mm - tight end of wide-angle lens
~35 mm
~27 mm - roughly 100-mm lens on 35-mm still

Held to eye:

folded paper	45°	~11 mm - 4/5 of shot of wide end of normal lens
folded plus dart	67.5°	~7 mm - studio wide (~28-mm for 35-mm still)
paper corner	90°	~5 mm - near the wide end of a wide lens